Adams Rite

ASSA ABLOY

3600/8500/8600
CVR Exit Device
Owner's Manual



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What This Owner's Manual Can Do For You

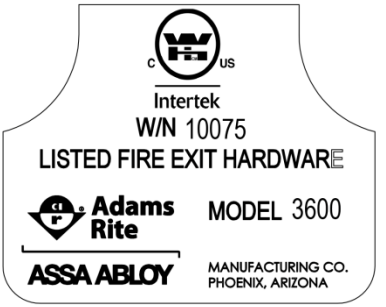
- It shows exactly how to operate your exit device.
- It shows you simple things to do and check before you call for service, so you may save the cost of an unnecessary service call.
- It contains your Adams Rite Limited Warranty and what steps to take for service.

Owner's Record

The model number is located on the hinge stile mounting base as shown below. Refer to this number and the additional information below when you call upon your local Adams Rite dealer regarding this product.

Model Number	3600/8500/8600
Finish	_____
Door Size	_____
Hardware Supplier	_____
Date Installed	_____





Warranty

For warranty information:
http://www.adamsrite.com/site/adamsritecom/About/Warranty

Exit Device Operation

The Adams Rite Concealed Vertical Rod (CVR) devices for metal and glass doors provide for life safety and security by use of a rotating top bolt and post type header strike. The bottom bolt is a hardened steel, with a conical tip to center in the simple drilled strike required in the threshold.

When the push bar is depressed, the top and bottom rods retract to release the door. Upon closing, the actuator deadlatches around the top strike post. Action of the top bolt deadlocks the bottom bolt as well. Exterior entrance can be gained by key or with the extensive line of entry trim available from Adams Rite.

NOTE: The following is not applicable to 3000 Series (fire rated devices.

Dogging the Push Bar

Dogging the push bar disables the latching function, making the door a simple push/pull operation.

1. COMPLETE the following to dog the device.
   a. DEPRESS the push bar completely and HOLD.

   CAUTION
   Over-rotation of the key past the prescribed ¼ turn can cause damage to the Exit Device.

   b. TURN the hex key 1/4 turn clockwise.



2. To release, TURN the hex key 1/4 turn counterclockwise.



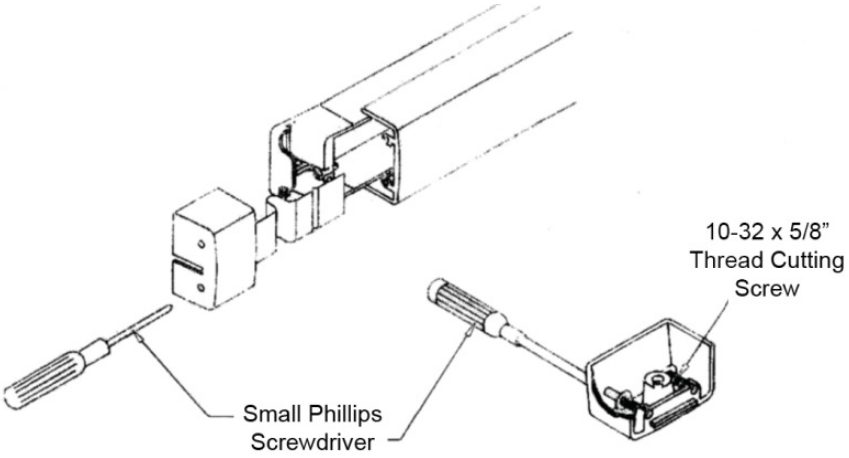
Removing or Replacing the End Caps

NOTE: To facilitate maintenance procedures, the two end caps can be removed.

1. PERFORM the following to remove the end caps.
   a. INSERT a small Phillips tip screwdriver through the holes located in the end caps and UNSCREW the concealed attachment screws.
   b. REMOVE the end caps and SET aside.
2. PERFORM the following to replace the end caps.
   a. LOCATE the end caps on the push bar.

      NOTE: When replacing the end caps, the screws must be snapped in the screw clips on the inside of the end caps.

   b. ATTACH the end caps using a small Phillips tip screwdriver through the holes located in the end caps and TIGHTEN the attachment screws hand tight only.

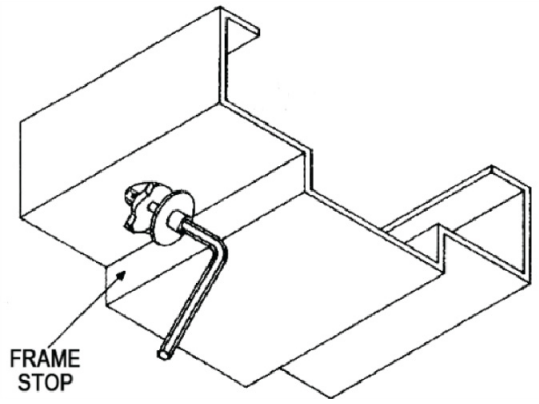


Positioning the Top Strike

CAUTION
A proper frame stop must be used in conjunction with the door/exit device or damage may occur.

NOTE: The top post strike must be properly located and tightened securely for the device to properly operate.

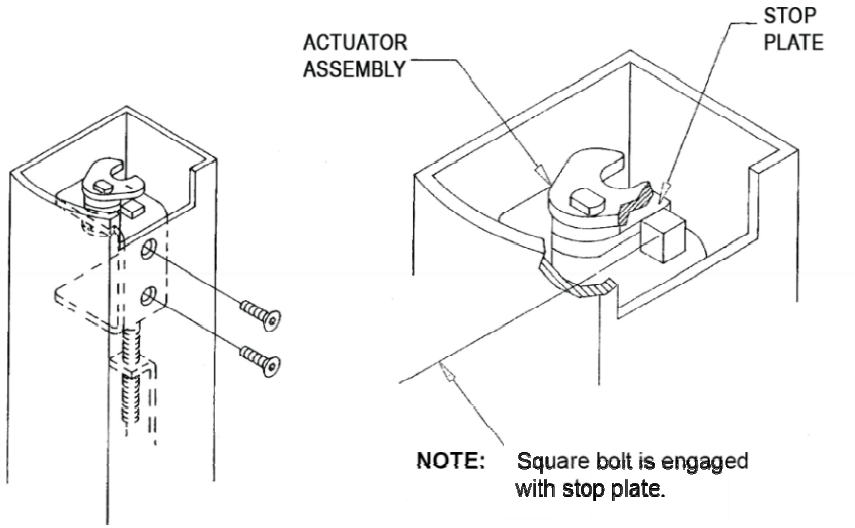
1. PERFORM the following to position the top post strike.
   a. POSITION the strike assembly so that it is centered on the hole cutout.
   b. TIGHTEN with 5/32” [3.97 mm] Allen wrench.
   c. ENSURE proper engagement with top actuator of exit device.
   d. ADJUST, if necessary.



Operating the Top Actuator

NOTE: Proper operation of this device relies heavily on the correct adjustment of the top actuator. The amount of travel of the bottom bolt is also governed by this adjustment..

1. With actuator assembly in locked position and push bar released, ENSURE end of square bolt is engaged with stop plate as shown in figure below.



2. PERFORM the following for fine adjustment.
   a. REMOVE the two screw fasteners to take off actuator assembly.
   b. ADJUST bolt up (counterclockwise) or down (clockwise) to conform to the illustration above, and ENSURE square bolt is flush with top of stop plate.
   c. REINSTALL actuator assembly.
   d. TIGHTEN the two screw fasteners securely.

Maintenance

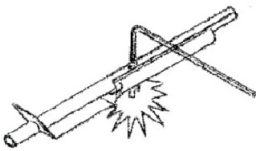
Exit devices are designed for life safety first. Adams Rite devices are cycle tested in excess of one million operations, both as prototypes during design and as quality control samples periodically during production. Atmospheric and other localized conditions vary greatly, but extremely dirty, salty or abrasive situations could require service attention such as lubrication of moving parts from time to time to assure reliability. Service personnel should be reminded that life safety is the goal.

Other maintenance that might be required specifically for a Rim device includes:

- Tightening of top strike screws
- Ensuring debris is clear from the bottom strike cutout
- Tightening of push bar mounting screws

Troubleshooting

Symptom	Possible Causes	Corrective Action
Device will not dog.	Push bar is not fully depressed.	Review dogging procedures
	Dogging assembly is damaged.	Remove and inspect; and replace, if necessary.
Device is not latching.	Device is dogged.	Undog device per dogging procedures.
	Closer is not set at sufficient speed.	Make appropriate adjustments.
	Top strike post is improperly aligned.	Strike must fully engage top actuator. It must be far enough toward door to fully rotate top bolt.
	No or improper cutout for bottom bolt.	Hole should be 1/2” in diameter located directly below bottom bolt with the door in the fully closed position. The hole should be free of any debris.

Symptom	Possible Causes	Corrective Action
Bottom bolt dragging or is hitting threshold.	Top actuator is out of adjustment.	Refer to the “Operating the Top Actuator” section for instructions on top actuator adjustment.
	Bottom bolt is out of adjustment	Remove bottom bolt guide. Rotate bolt for desired height.
Excessive rod noise.	Bottom bolt guide bushing missing.	Remove bottom bolt guide to ensure bushing is in place and not damaged. Bushing should be in the down position.
	Spider silencers missing from top or bottom rods.	Spiders can be ordered from local supplier. Taller doors will require additional spiders.
Need to make frequent rod adjustments.	Rod piercing cap screw not set properly.	Once the rods are initially adjusted to the proper length the two #6-32S1/2 cap screws are pierced through the rod sleeves as shown below.  When these two screws are set it puts the interior rod and the sleeve in sheer maintaining the adjustment. If the screw is not through the sleeve, the rods will continue to slip out of adjustment. Ensure the screws are set in the prescribed manner.

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