

55,88

91,26

457,20

615.95

762.00

768,35

48

2 13/64

3 19/32

24 1/4

30 1/4

18

30

31,75

34,29

34,93

35.56

36,09

38,10

42 1/4 1073,15

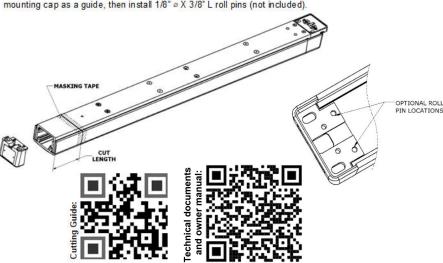
1219,20

Page 1 of 2

# **Bar Cutoff Instruction:**

- Remove push bar
- Tap mounting cap off hinge end of bar using a mallet or punch.
- Re-install push bar, collapse, and tape down in area of cut-off.
- Mark cut length on tape, see cutting guide on website for calculation
- Saw off excess, remove tape and deburr.
- Tap mounting cap into bar using a soft mallet to protect finish.
- Continue to installation instructions.

NOTE: Roll pin connection is optional; if desired, drill 1/8" holes thru bar using mounting cap as a guide, then install 1/8" a X 3/8" L roll pins (not included).



### SEPARATING PUSH BAR AND MOUNTING BAR PROCEDURE

- 1. REMOVE BOTH END CAPS. THE RETAINER IS ATTACHED TO THE NOSE END CAP
- 2. SLIDE PUSH BAR TOWARD HINGE SIDE OF DOOR.
- 3. CONTINUE TO SLIDE PUSH BAR PAST THE PIVOT PLATE THAT RIDES IN PUSH BAR TRACK.
- 4. SLIDE PUSH BAR IN OPPOSITE DIRECTION KEEPING PIVOT PLATE OUT OF TRACK UNTIL PUSH BAR IS FREE OF MOUNTING BAR. MOUNTING PIVOT PLATE PIVOT PLATE PLATE

## INSTALLING PUSH BAR TO MOUNTING BAR

END CAP ASS'Y

1. WITH PUSH BAR IN HAND AND MOUNTING BAR ATTACHED TO DOOR, FIND STOP PLATE STAKED INTO PUSH BAR. (THIS PLATE IS ON THE LATCH END OF ASSEMBLED UNIT). SLIDE THE PIVOT PLATE NEAREST HINGE INTO TRACK OF PUSH BAR UNTIL SECOND PIVOT PLATE IS EXPOSED. INSERT PIVOT PLATE INTO TRACK ON PUSH BAR AND SLIDE IN OPPOSITE DIRECTION UNTIL PUSH BAR AND MOUNTING BAR ALIGN.

> PRODUCT MUST BE INSTALLED ACCORDING TO ALL APPLICABLE BUILDING AND LIFE SAFETY CODES



CONSULT FACTORY

www.adamsrite.com Phone: 800-626-7590 800-872-3267

> Fox: 866-582-4641 800-232-7329

NOTE; THESE DIMENSIONS AND TEMPLATES ASSUME A DOOR THICKNESS OF 1 3/4". FOR DOORS OF OTHER THICKNESS.

80-0180-81

Rev. **11** 

3100 FIRE RATED EXIT DEVICE WOOD OR HOLLOW METAL DOOR

15/64

1/4

9/32

19/64

3/8

25/64

6,10

6,35

7.14

7.54

9,52

10,16

5/8

43/64

3/4

51/64

13/16

11/16

INSTALLATION INSTRUCTIONS

WITH HOLLOW METAL FRAME

15,86

17.07

17.45

19.05

20,32

20,62

1 1/4

1 3/8

1 11/32

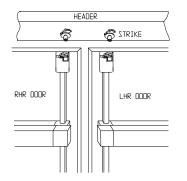
1 13/32

1 27/64

1 1/2

# INSTALLATION INSTRUCTION CHECKLIST

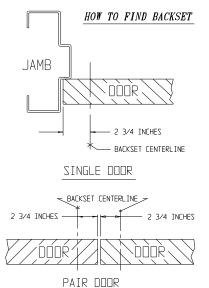
ADAMS RITE 3100 EXIT DEVICE

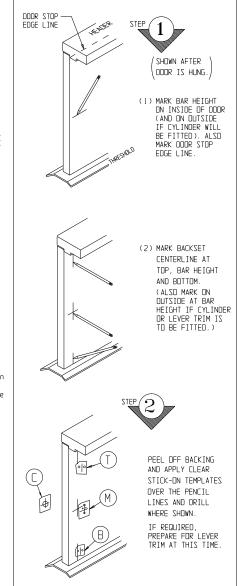


## IMPORTANT!

This device is unhanded. It can be installed in either left hand reverse or right hand reverse doors without alteration. The doors' lead stile and header preparation are IDENTICAL not nirror inage. Note in the sketch above that the yake type bolt always faces right (as viewed from inside) and the strike post is toward the right of the backset centerline for both doors.

 $\frac{NOTE}{\text{ACCOMPLISHED}}$  STEPS 2 THROUGH 9 ARE MORE EASILY ACCOMPLISHED IF DOOR IS NOT INSTALLED IN FRAME.





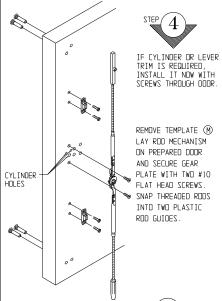
CENTER-

LINE



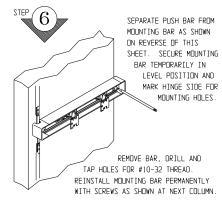
SELF-TAPPING SCREWS.

INSTALL SEX BOLTS THROUGH 3/8 DIA HOLES.
INSTALL 2 PLASTIC GUIDES USING TWO #10 SELF-TAPPING
SCREWS ON BACKSET CENTERLINE;
ONE HALFWAY FROM BAR HELIGHT TO TOP OF DOOR,
ANDTHER HALFWAY TO BOTTOM OF DOOR.
USE ROD GUIDE AS TEMPLATE TO DRILL HOLES FOR

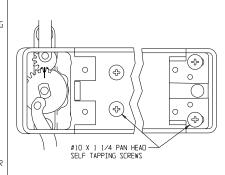


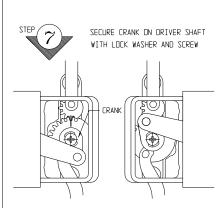
ADJUST ROOS TO LENGTH:

WITH GEARS ALIGNED TO STAMPED MARKS, ADJUST TOP
ROD TO LENGTH BY TURNING IT TO ALIGN MARK ON
TEMPLATE ① WITH SQUARE BOLT . ADJUST
BOTTOM BOLT FLUSH WITH BOTTOM OF DOOR (FOR NOW)

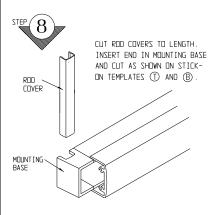


## HOLLOW METAL/WOOD DOOR





RHR DOOR LHR DOOR
WILL LOOK LIKE THIS WILL LOOK LIKE THIS
REINSTALL PUSH BAR AS SHOWN ON REVERSE OF THIS SHEET





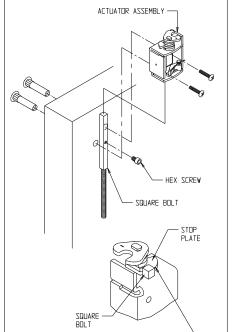
REMOVE HEX SCREW FROM SQUARE BOLT.

SLIDE THE ACTUATOR ASSEMBLY INTO THE SQUARE BOLT
AND SECURE ACTUATOR ASSEMBLY WITH TWO 10-32 X 1
SCIPENCY

WITH ASSEMBLY IN LOCKED POSITION AND PUSH BAR RELEASED, END OF SQUARE BOLT SHOULD ENGAGE STOP PLATE AS SHOWN.

IF TOP OF SQUARE BOLT IS NOT FLUSH WITH TOP OF STOP PLATE, THEN THE BOLT NEEDS TO BE RE-ADJUSTED AS FOLLOWS:

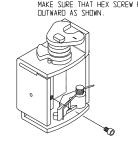
-REMOVE THE ACTUATOR ASSEMBLY. -TURN THE SQUARE BOLT UP OR DOWN AS NECESSARY. -REINSTALL ACTUATOR ASSEMBLY.



IMPORTANT: SQUARE BOLT MUST BE FLUSH WITH  $\stackrel{\textstyle \checkmark}{}$  TOP OF PLATE.

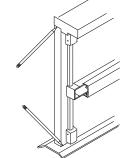


IMPORTANT: REINSTALL HEX SCREW DNCE SQUARE BOLT HAS BEEN FLUSHED. MAKE SURE THAT HEX SCREW POINTS DUTWARD AS SHOWN.



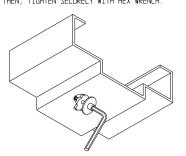


INSTALL DOOR IN FRAME. MARK BACKSET CENTERLINE ON HEADER AND THRESHOLD. ALSO MARK WHERE FACE OF CLOSED DOOR RESTS. APPLY CLEAR TEMPLATES (H) AND (F) AND DRILL STRIKE HOLES.



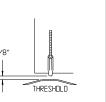


POSITION STRIKE PLATE ASSEMBLY INTO HEADER. THEN, TIGHTEN SECURELY WITH HEX WRENCH.



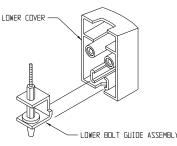


HOLD OOOR OPEN.
DEPRESS AND RELEASE
PUSH BAR. ADJUST
BOTTOM BOLT SO IT
CLEARS THRESHOLD BY
1/8" AS DOOR CLOSES.



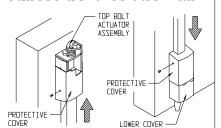


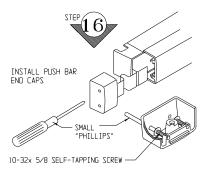
INSTALL LOWER COVER. SNAP ROD COVER ONTO
PLASTIC ROD GUIDE AND SLIDE IT UP INTO MOUNTING
BASE. SLIP LOWER BOLT GUIDE ASSEMBLY OVER HEX
BOLT AND DROP INTO LOWER COVER SHOWN. POSITION
LOWER COVER AND SECURE IT WITH TWO SCREWS.





INSTALL TWO PROTECTIVE COVERS ON TOP BOLT ACTUATOR
ASSEMBLY AND LOWER COVER. SLIDE PROTECTIVE COVERS
INTO TOP BOLT ACTUATOR ASSEMBLY AND LOWER COVER
AND SECURE EACH COVER WITH ONE #6 SCREW AT SIDE.





PRODUCT MUST BE INSTALLED
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BUILDING AND LIFE SAFETY CODES



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- BACKSET CENTER-

3100 FIRE RATED EXIT DEVICE WOOD OR HOLLOW METAL DOOR WITH HOLLOW METAL FRAME

INSTALLATION INSTRUCTIONS

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Rev. **11** 

BACKSET CENTERLINE IS MEASURED FROM THE VERTICAL CENTERLINE OF THE LEADING EDGE OF THE DOOR.