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

NOTICE
THIS DEVICE IS UNHANDLED. 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 MIRROR IMAGE. NOTE IN THE IMAGE ABOVE THAT THE YOKE TYPE BOLT ALWAYS FACES RIGHT (AS VIEWED FROM INSIDE) AND THE STRIKE POST IS ALWAYS TO THE RIGHT OF THE BACKSET CENTERLINE.

HOW TO FIND BACKSET
BACKSET CENTERLINE IS TAKEN FROM THE CENTERLINE OF THE SQUARE HOLE ON TOP OF THE DOOR

3900/8900 SURFACE LATCH CONCEALED ROD EXIT DEVICE

INSTALLATION INSTRUCTIONS

Rev. R   CN: 125-14   Date: 04/10/14

Page 1 of 5   Appvd: Date:
NO ENTRY TRIM
PICTORIAL INSTALLATION GUIDE OF CAM OVER SHAFT FOR LHR AND RHR DOORS.

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

DOOR PREPARATION
THIS PRODUCT IS MADE FOR 1 3/4" DOOR WIDTH. FOR ANY OTHER DOOR THICKNESS, YOU MUST CONSULT FACTORY

STEP 1
APPLY DRILLING TEMPLATE P/N 80-0180-392 FOR 3900/8900 TO THE DOOR. DRILL HOLES AS DIRECTED. DRILL BIT WITH COLLAR SHOWN FOR REF.

STEP 2

STEP 3a
WITH ENTRY TRIM
REPLACE FACTORY INSTALLED LONG DRIVE SHAFT WITH SHORT DRIVE SHAFT FROM INSTALLATION KIT. ATTACH THE COVER PLATE AND THE CENTER BLOCK TO THE EXIT DEVICE USING (2) #10-32 X 1/2 PAN HEAD SCREWS, ITEM #6. PUSH DOWN SCISSOR DEVICE FOR SCREW ACCESS.

STEP 3b
PICTORIAL INSTALLATION GUIDE OF CAM OVER SHAFT FOR LHR AND RHR DOORS.

LHR DOOR
LHR VIEW
BORED HOLE
FOR 6' 8" DOORS REMOVE THREADED ROD AND CUT 4"

RHR VIEW
CAM
THIS GROOVE MUST ALWAYS BE ON TOP
BARED HOLE

STEP 3c
COVER PLATE
DRIVE SHAFT
SCREW LIST
ITEM #6

3900/8900 SURFACE LATCH CONCEALED ROD EXIT DEVICE
INSTALLATION INSTRUCTIONS
80-0180-390
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INSTALLATION INSTRUCTIONS

**3900/8900 SURFACE LATCH CONCEALED ROD EXIT DEVICE**

**ASSA ABLOY**

**Adams Rite Manufacturing Co.**

10827 S. 51st Street, Suite 102

Phoenix, AZ 85044

Phone: 800-872-3267

www.adamsrite.com

**Rev. R**

CN: 125-14

Date: 04/10/14

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

**STEP 5 WITH ENTRY TRIM**

**WITH ENTRY TRIM**

IF NO ENTRY TRIM GO TO STEP 6

INSTALL TAILPIECE ADAPTOR SUCH THAT DOUBLE "D" IS NESTED ON DRIVE SHAFT. HOLD IN PLACE AND ATTACH WITH SCREW (ITEM #7).

REMOVE CLAMP FROM TOP OF ROD. OPERATE PUSH BAR SCISSORS AND CHECK FOR ROTATION AND INTERFERENCE.

NOTE: IF DOOR IS NOT BLOCK PREPARED FOR THE PANIC DEVICE USE BINDER POST.

**STEP 6 INSTALLING PUSH BAR TO MOUNTING BAR**

WITH PUSH BAR IN HAND AND MOUNTING BAR ATTACHED TO THE 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 OF PUSH BAR AND SLIDE IN OPPOSITE DIRECTION UNTIL THE PUSH BAR AND MOUNTING BAR ALIGN.

PLACE SCREWS OVER CLIPS AND PRESS DOWN INTO POSITION

**STEP 4 MOUNTING CAP AND MOUNTING BAR PROCEDURE**

SLIDE THE PUSH BAR OFF EXIT DEVICE AND SET ASIDE. (SEE ITEM 1 & 2 BELOW) INSERT DRIVE SHAFT INTO THE CAM HOLE OF ROD ASSEMBLY AND PUSH THE EXIT BAR AGAINST THE DOOR, KEEPING IT LEVEL, MARK AND DRILL PILOT HOLES. PLACE MOUNTING CAP PLATE UNDER THE DEVICE AND MOUNT THE EXIT DEVICE USING (4) PAN HEAD SHEET METAL SCREWS (ITEM #2)

NOTE: IF DOOR IS NOT BLOCK PREPARED FOR THE PANIC DEVICE USE BINDER POST.

SEPAREATING PUSH BAR AND MOUNTING BAR PROCEDURE

1. SLIDE PUSH BAR TOWARD HINGE SIDE OF DOOR UNTIL THE PUSH BAR CLEAR THE PIVOT PLATE.

2. SLIDE PUSH BAR IN OPPOSITE DIRECTION KEEPING PIVOT PLATE OUT OF TRACK UNTIL PUSH BAR IS FREE OF MOUNTING BAR.

**PIVOT PLATE TRAHC**

**ERR CAP**

**END CAP**

**MOUNTING BAR**

**PUSH BAR**

**STOP PLATE**

**SCREW LIST ITEM #3**

(2) REQ'D PER END CAP
ATTACH THE TWO END CAPS USING (4) #10-32 X 5/8 SELF TAPPING SCREWS (ITEM #3)

**DOOR OPENING WIDTH | INCH (MM)**

<table>
<thead>
<tr>
<th>DIM &quot;A&quot;</th>
<th>24 1/4 (615.95)</th>
<th>30 1/4 (768.35)</th>
<th>36 1/4 (920.75)</th>
<th>42 1/4 (1073.15)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30&quot; (768)</td>
<td>30&quot; (768.4)</td>
<td>42&quot; (1066.8)</td>
<td>48&quot; (1219.2)</td>
<td></td>
</tr>
</tbody>
</table>

1. DRIVE OUT TWO ROLL PINS.
2. REMOVE MOUNTING CAP.
3. COLLAPSE BAR AND TAPE DOWN IN AREA OF CUT-OFF.
4. DETERMINE EXTRUSION LENGTH ("B" DIM).
   (NOTES 19/32 (91.28 MM) MIN DIMENSION FROM RIVET CENTERLINE TO NEW CUT-OFF LENGTH AS SHOWN)
5. MEASURE MOUNTING BAR, NOT PUSH BAR, AND MARK EXTRUSION LENGTH ON TAPE
6. SAW OFF EXCESS LENGTH, REMOVE TAPE AND DEBURR.
7. LAY MOUNTING CAP OVER BAR (SEE FIG. C) AND USE A GUIDE TO DRILL TWO 1/16 (3.18 MM) HOLES
8. RE-INSTALL MOUNTING CAP INTO BAR AND DRIVE TWO ROLL PINS INTO HOLES.

**FIG. "C"**

**ROLL PINS**

**MOUNTING CAP**

**MOUNTING BAR**

**PUSH BAR**

**PIVOT PLATE**

**END CAP ASSY**

**SCREW LIST ITEM #2**

<table>
<thead>
<tr>
<th>SCREW LIST</th>
<th>SCREW LIST</th>
<th>SCREW LIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITEM #2</td>
<td>ITEM #2</td>
<td>ITEM #2</td>
</tr>
</tbody>
</table>

**SCREW LIST ITEM #7**

**UPPER ROD ASSEMBLY**

**LOWER ROD ASSEMBLY**

**CAM**

**TAILPIECE ADAPTOR**

**DRIVE SHAFT**

**SCREW LIST ITEM #7**

**3 19/32 (91.28 MM) MIN**

**3/16 HOLE (3.18 MM)**

**UPPER ROD ASSEMBLY**

**LOWER ROD ASSEMBLY**

**THIS GROOVE MUST ALWAYS BE ON THE TOP**

**THIS GROOVE MUST ALWAYS BE ON THE TOP**

**CAM**

**TAILPIECE ADAPTOR**

**DRIVE SHAFT**

**SCREW LIST ITEM #7**

**3 19/32 (91.28 MM) MIN**

**3/16 HOLE (3.18 MM)**

**UPPER ROD ASSEMBLY**

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**THIS GROOVE MUST ALWAYS BE ON THE TOP**

**CAM**

**TAILPIECE ADAPTOR**

**DRIVE SHAFT**

**SCREW LIST ITEM #7**

**3 19/32 (91.28 MM) MIN**

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**UPPER ROD ASSEMBLY**

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**THIS GROOVE MUST ALWAYS BE ON THE TOP**

**CAM**

**TAILPIECE ADAPTOR**

**DRIVE SHAFT**

**SCREW LIST ITEM #7**

**3 19/32 (91.28 MM) MIN**

**3/16 HOLE (3.18 MM)**

**UPPER ROD ASSEMBLY**

**LOWER ROD ASSEMBLY**

**THIS GROOVE MUST ALWAYS BE ON THE TOP**

**CAM**

**TAILPIECE ADAPTOR**

**DRIVE SHAFT**

**SCREW LIST ITEM #7**

**3 19/32 (91.28 MM) MIN**

**3/16 HOLE (3.18 MM)**

**UPPER ROD ASSEMBLY**

**LOWER ROD ASSEMBLY**

**THIS GROOVE MUST ALWAYS BE ON THE TOP**

**CAM**

**TAILPIECE ADAPTOR**

**DRIVE SHAFT**

**SCREW LIST ITEM #7**

**3 19/32 (91.28 MM) MIN**

**3/16 HOLE (3.18 MM)**
STEP 7

Using supplied tool, adjust the upper rod assembly by turning the square shaft, clockwise to lower or counter clockwise to raise, so that the hole on the square shaft aligns with the center of the 3/8” hole. As shown Fig. B.

Leave adjustment tool in place.

Fig. B

STEP 8

Support plate
Square shaft
Rod attachment screw
Screw list item #8
Tighten by hand

Screw list item #4

Cover

Top actuator assembly

Make sure that the top actuator is turned to the locked position as shown.

Install the top actuator (at locked position) to the door by first fastening the rod attachment screw (item #8) to the square shaft of the vertical rod. Remove the adjustment tool and mount the actuator to the door with the support plate and (2) #10-24 x 1 1/2 pan head screws (item #1). Slide cover onto the top actuator and secure with a #6-32 x 1/4 pan head screw (item #4).

STEP 9

With entry trim

Go to step 10 if no entry trim

Entry trim installation

Attach the trim to the door making sure that the drive tailpiece engages the tailpiece adapter. (See trim installation instructions)

Finishing washer (3 req’d)

Screw list item #5 (3 req’d)

Screw list item #1

Product must be installed according to all applicable building and life safety codes
**60 & 90 MINUTE PAIRS & DOUBLE EGRESS**

- 1/2" HOLE

**FIRE BOLT PLATE**

**#10 FLAT HEAD WOOD SCREW**

ITEM #4

**DOOR THRESHOLD OR STRIKE P/N 22-0125**

**PREPARATION FOR FIRE BOLT**

**45, 60, & 90 MINUTES SINGLE DOOR**

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

**FIRE BOLT INSTALLATION INSTRUCTIONS**

1. DRILL 9/16" AND 5/8" DIAMETER HOLES.

2. INSERT GROMMET CLIP INTO 9/16" DIAMETER HOLE AND SIT FLUSH.

3. MOUNT FIRE BOLT PLATE USING (8) #10 FLAT HEAD WOOD SCREWS.

4. INSERT SPRING BOLT ASSEMBLY.

**SCREW LIST**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SCREW LIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>#10-24 X 1/2 PAN HEAD MACHINE SCREW (2 REQ'D)</td>
</tr>
<tr>
<td>2</td>
<td>#10-24 X 1 1/4 PAN HEAD SHEET METAL SCREW (4 REQ'D)</td>
</tr>
<tr>
<td>3</td>
<td>#10-32 X 5/8 ROUND HEAD SELF TAP MACHINE SCREW (4 REQ'D)</td>
</tr>
<tr>
<td>4</td>
<td>#6-32 X 1/4 PAN HEAD MACHINE SCREW (1 REQ'D)</td>
</tr>
<tr>
<td>5</td>
<td>#10-24 X 2 1/2 FLAT HEAD MACHINE SCREW (2 REQ'D)</td>
</tr>
<tr>
<td>6</td>
<td>#10-32 X 1/2 PAN HEAD MACHINE SCREW (2 REQ'D)</td>
</tr>
<tr>
<td>7</td>
<td>#4-40 X 1 1/4 FLAT HEAD MACHINE SCREW W/NYLON INS. (1 REQ'D)</td>
</tr>
<tr>
<td>8</td>
<td>#10-32 X 1 1/4 X 3/16&quot; HD HEX SHOULDER SCREW</td>
</tr>
<tr>
<td>9</td>
<td>#10-32 X 1/2 FLAT HEAD WOOD SCREW (8 REQ'D)</td>
</tr>
</tbody>
</table>

* SUPPLIED WITH TRIM