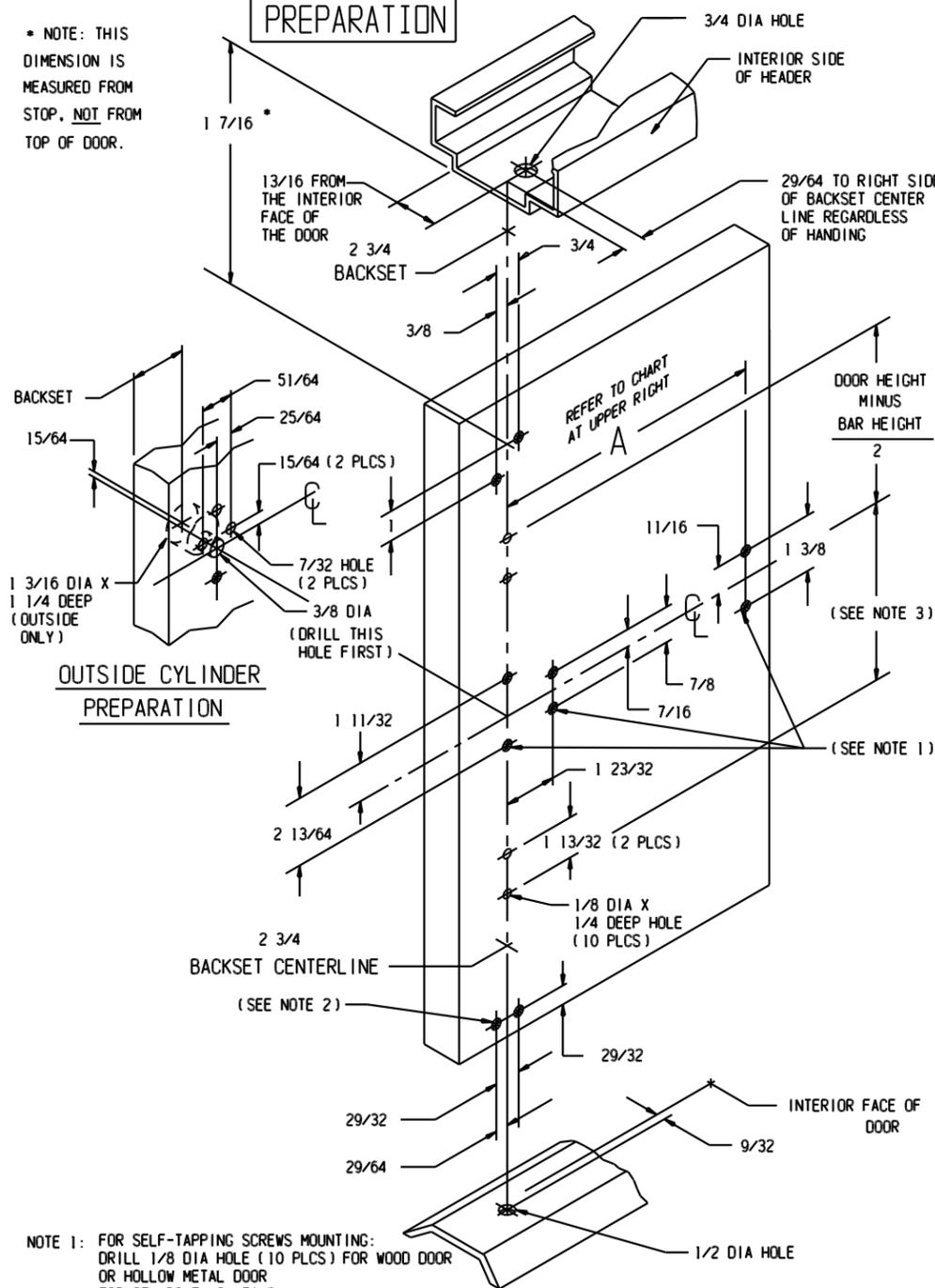


\* NOTE: THIS DIMENSION IS MEASURED FROM STOP, NOT FROM TOP OF DOOR.

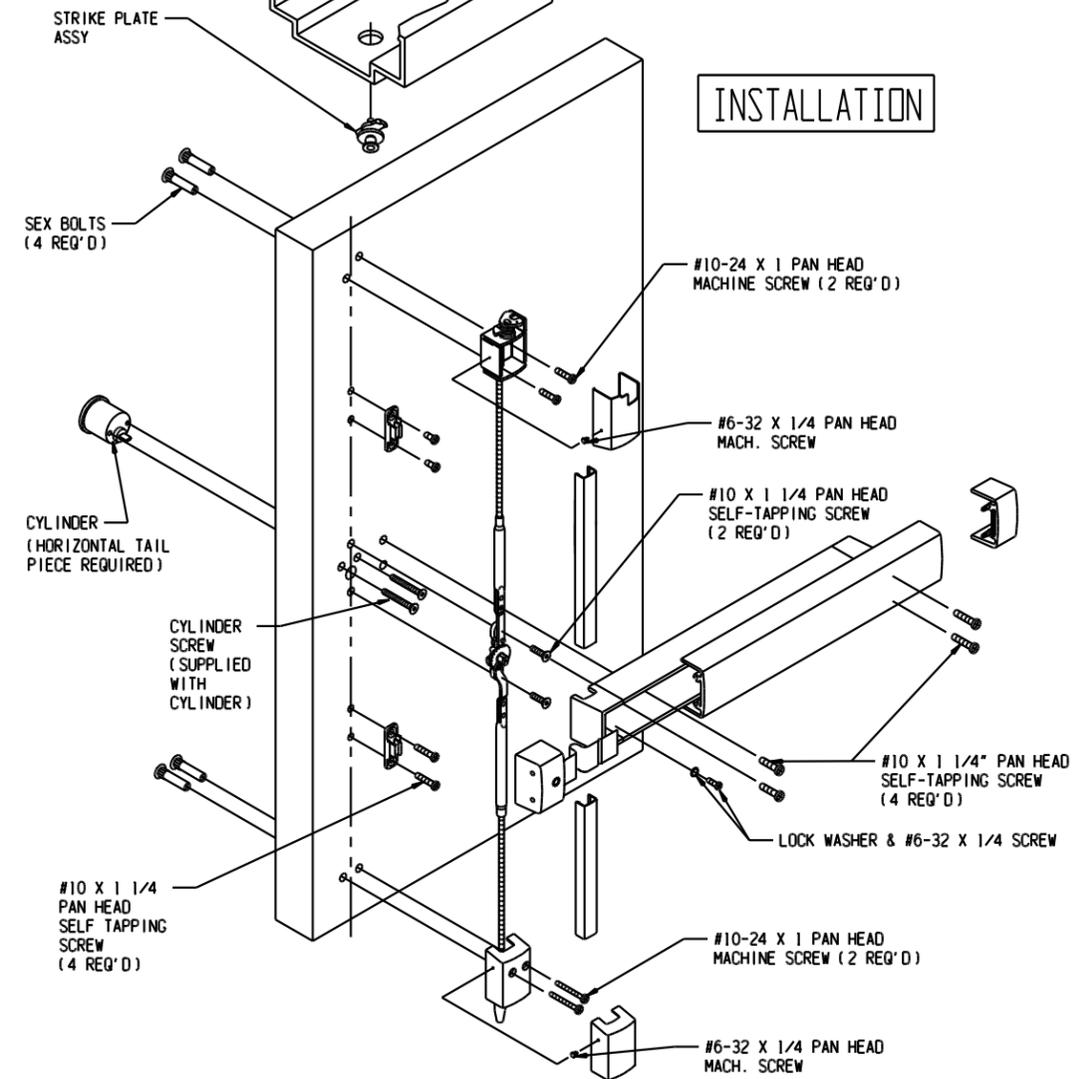
**PREPARATION**



- NOTE 1: FOR SELF-TAPPING SCREWS MOUNTING: DRILL 1/8 DIA HOLE (10 PLCS) FOR WOOD DOOR OR HOLLOW METAL DOOR. FOR SEX BOLT MOUNTING: REFER TO NOTE 2 FOR HOLE SIZES
- NOTE 2: UNLESS OTHERWISE SPECIFIED, 4 HOLES (Ø) ON OUTSIDE OF DOOR ARE 3/8 INCH DIAMETER AND INSIDE OF DOOR 7/32 INCH DIAMETER FOR HOLLOW METAL DOOR, 3/8 INCH DIAMETER THRU FOR WOOD DOOR.
- NOTE 3: WHEN BAR HEIGHT IS 36" OR MORE, DIVIDE BAR HEIGHT BY 2. OTHERWISE, USE 18" AS THE DIMENSION.
- NOTE: THESE DIMENSIONS AND TEMPLATES ASSUME A DOOR THICKNESS OF 1 3/4". FOR DOORS OF OTHER THICKNESS, CONSULT FACTORY.

	DOOR OPENING WIDTH			
	30"	36"	42"	48"
DIM A	24 1/4"	30 1/4"	36 1/4"	42 1/4"
CUTOFF	SUBTRACT CUTOFF AMOUNT FROM DIM A			

**INSTALLATION**



METRIC EQUIVALENTS

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
1/8	3,17	7/16	11,11	29/32	22,86	1 23/32	43,64	32	812,80
3/16	4,75	29/64	11,56	1	25,40	1 31/32	49,78	36	914,40
7/32	5,53	1/2	12,70	1 3/16	30,14	2 13/64	55,88	38	965,20
15/64	6,10	5/8	15,86	1 1/4	31,75	3 19/32	91,26	42	1066,80
1/4	6,35	11/16	17,45	1 11/32	34,29	4 19/32	116,66	44	1117,60
9/32	7,14	3/4	19,05	1 3/8	34,93	18	457,20	48	1219,20
3/8	9,52	51/64	20,32	1 13/32	35,56	26	660,40		
25/64	10,16	7/8	22,22	1 1/2	38,10	30	762,00		

**Bar Cutoff Instruction:**

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

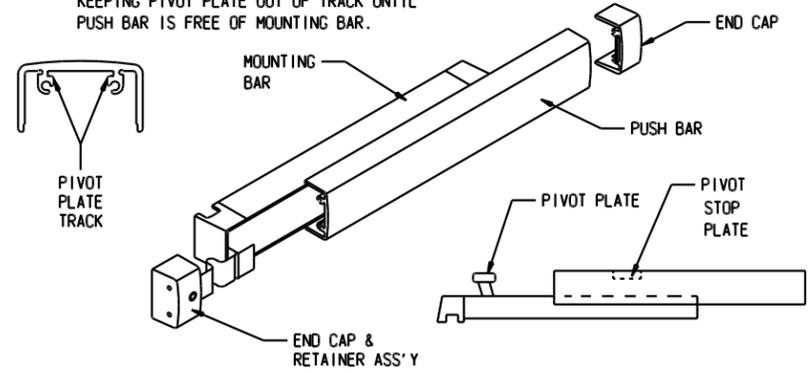
NOTE: Roll pin connection is optional; if desired, drill 1/8" holes thru bar using mounting cap as a guide, then install 1/8" Ø X 3/8" L roll pins (not included).

Technical documents and owner manual:

Cutting Guide:

**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.



**INSTALLING PUSH BAR TO MOUNTING BAR**

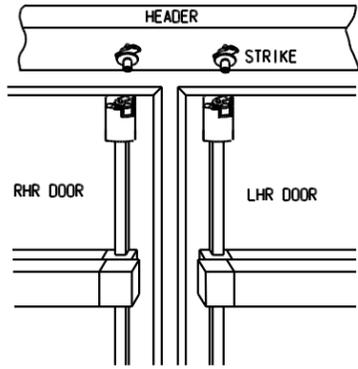
1. WITH PUSH BAR IN HAND AND MOUNTING BAR ATTACHED TO DOOR, FIND PIVOT PLATE STAKED INTO PUSH BAR. (THIS PLATE IS ON THE LATCH END OF ASSEMBLED UNIT). SLIDE THE PIVOT PLATE NEAREST HINGE INTO TRACK OF PUSH BAR UNTIL SECOND PIVOT PLATE IS EXPOSED. INSERT PIVOT PLATE INTO TRACK ON PUSH BAR AND SLIDE IN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

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

**INSTALLATION  
INSTRUCTION  
CHECKLIST**

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

**ADAMS RITE SERIES 8100 EXIT DEVICE**

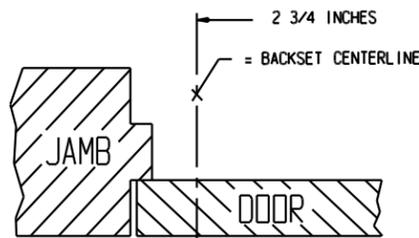


**IMPORTANT!**

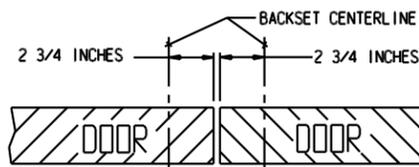
This device is unhandled. It can be installed in either left hand reverse or right hand reverse doors without alteration. The doors' lead stile and header preparation are IDENTICAL *not* mirror image. Note in the sketch above that the yoke type bolt *always* faces right (as viewed from inside) and the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

**NOTE** STEPS 2 THRU 10 ARE MORE EASILY ACCOMPLISHED IF DOOR IS NOT INSTALLED IN FRAME.

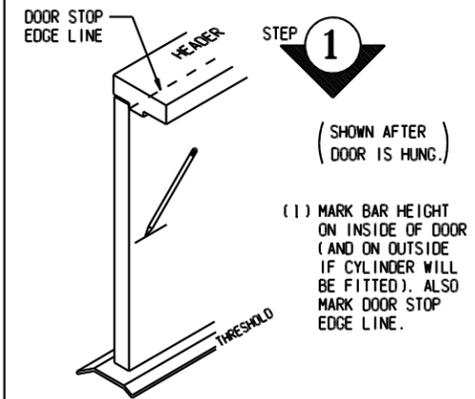
**HOW TO FIND BACKSET**



**SINGLE DOOR**

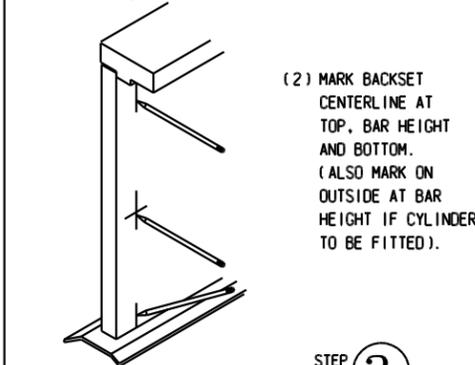


**PAIR DOOR**

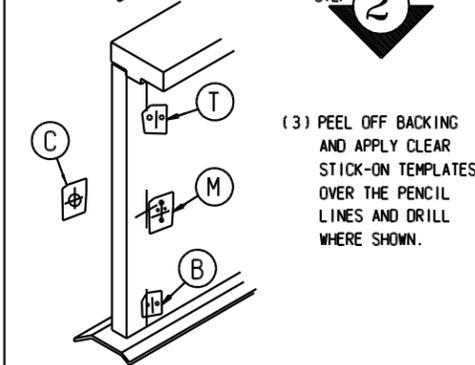


**STEP 1**  
(SHOWN AFTER DOOR IS HUNG.)

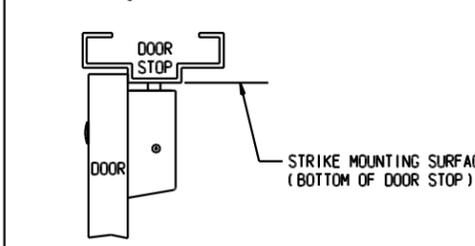
(1) MARK BAR HEIGHT ON INSIDE OF DOOR (AND ON OUTSIDE IF CYLINDER WILL BE FITTED). ALSO MARK DOOR STOP EDGE LINE.



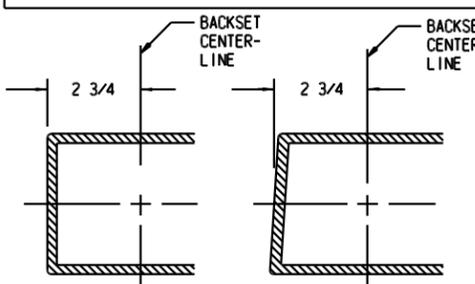
(2) MARK BACKSET CENTERLINE AT TOP, BAR HEIGHT AND BOTTOM. (ALSO MARK ON OUTSIDE AT BAR HEIGHT IF CYLINDER TO BE FITTED).



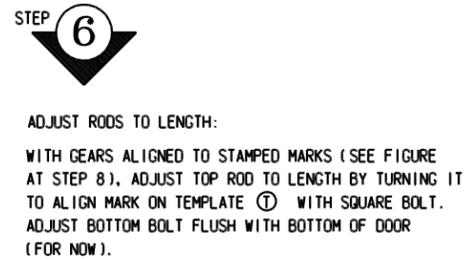
**STEP 2**  
(3) PEEL OFF BACKING AND APPLY CLEAR STICK-ON TEMPLATES OVER THE PENCIL LINES AND DRILL WHERE SHOWN.



**STEP 3**  
REMOVE TEMPLATE (M). LAY ROD MECHANISM ON PREPARED DOOR AND SECURE GEAR PLATE WITH TWO FLAT HEAD SCREWS. SNAP THREADED RODS INTO TWO PLASTIC ROD GUIDES.



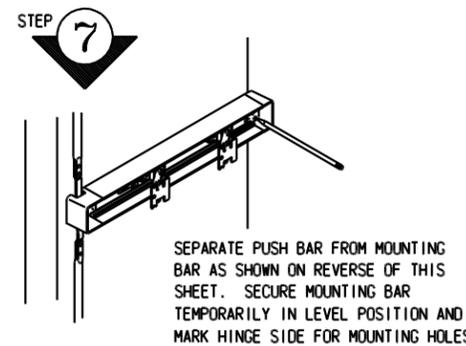
ADJUST RODS TO LENGTH: WITH GEARS ALIGNED TO STAMPED MARKS (SEE FIGURE AT STEP 8), ADJUST TOP ROD TO LENGTH BY TURNING IT TO ALIGN MARK ON TEMPLATE (T) WITH SQUARE BOLT. ADJUST BOTTOM BOLT FLUSH WITH BOTTOM OF DOOR (FOR NOW).



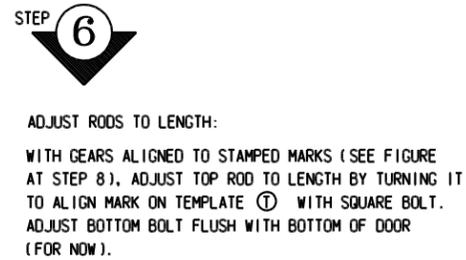
**STEP 4**  
IF CYLINDER IS REQUIRED, INSTALL IT NOW WITH CYLINDER SCREWS THROUGH DOOR.

**STEP 5**  
REMOVE TEMPLATE (M). LAY ROD MECHANISM ON PREPARED DOOR AND SECURE GEAR PLATE WITH TWO FLAT HEAD SCREWS. SNAP THREADED RODS INTO TWO PLASTIC ROD GUIDES.

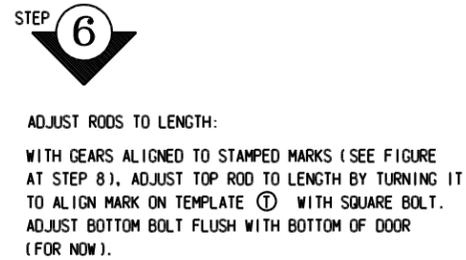
**STEP 6**  
ADJUST RODS TO LENGTH: WITH GEARS ALIGNED TO STAMPED MARKS (SEE FIGURE AT STEP 8), ADJUST TOP ROD TO LENGTH BY TURNING IT TO ALIGN MARK ON TEMPLATE (T) WITH SQUARE BOLT. ADJUST BOTTOM BOLT FLUSH WITH BOTTOM OF DOOR (FOR NOW).



**STEP 7**  
SEPARATE PUSH BAR FROM MOUNTING BAR AS SHOWN ON REVERSE OF THIS SHEET. SECURE MOUNTING BAR TEMPORARILY IN LEVEL POSITION AND MARK HINGE SIDE FOR MOUNTING HOLES.



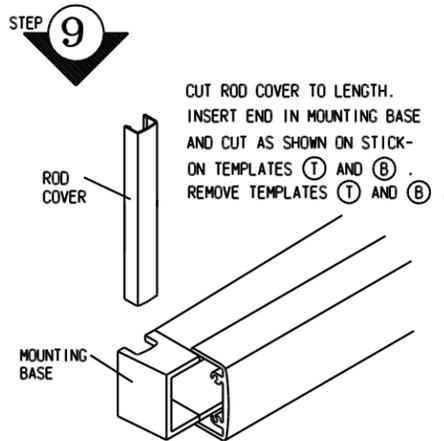
**STEP 8**  
REMOVE BAR, DRILL 1/8 DIA HOLES IN HINGE SIDE AND REINSTALL BAR PERMANENTLY WITH (4) SELF-TAPPING SCREWS AS SHOWN BELOW.



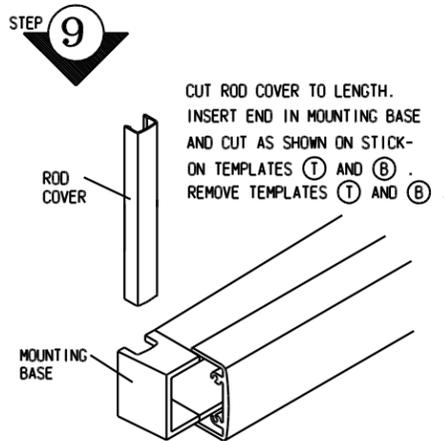
**STEP 9**  
SECURE CRANK ON DRIVER SHAFT WITH LOCK WASHER AND SCREW. THEN REINSTALL THE PUSH BAR.

RHR DOOR WILL LOOK LIKE THIS

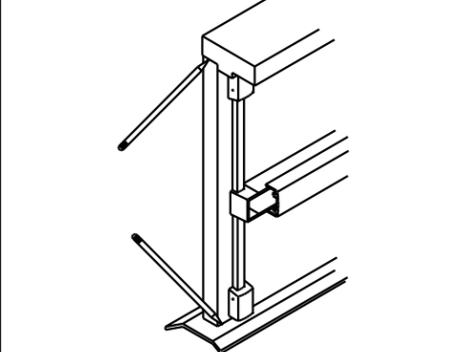
LHR DOOR WILL LOOK LIKE THIS



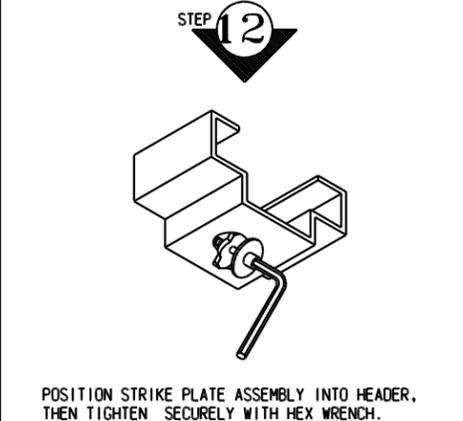
**STEP 10**  
INSTALL TOP BOLT ACTUATOR ASSEMBLY AND SECURE WITH TWO SCREWS. SNAP ROD COVER ONTO PLASTIC ROD GUIDE AND SLIDE IT DOWN INTO MOUNTING BASE. WITH ASSEMBLY IN LOCKED POSITION AND PUSH BAR RELEASED, END OF SQUARE BOLT SHOULD ENGAGE STOP PLATE AS SHOWN. (FOR FINE ADJUSTMENT, REMOVE ACTUATOR ASSEMBLY, ADJUST BOLT UP OR DOWN AND REINSTALL ASSEMBLY).



**STEP 11**  
INSTALL DOOR IN FRAME. MARK ON HEADER, THRESHOLD, THE BACKSET CENTERLINE, AND WHERE FACE OF CLOSED DOOR RESTS. APPLY CLEAR TEMPLATES (H) AND (F) AND DRILL STRIKE HOLES.

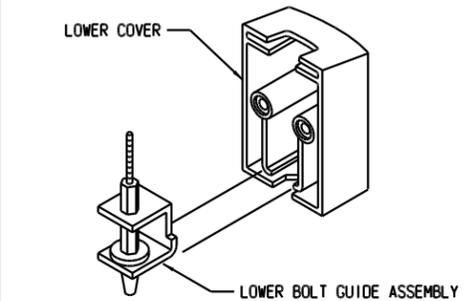


**STEP 12**  
POSITION STRIKE PLATE ASSEMBLY INTO HEADER, THEN TIGHTEN SECURELY WITH HEX WRENCH.

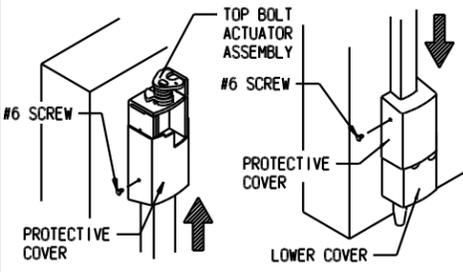


**STEP 13**  
HOLD DOOR OPEN. DEPRESS AND RELEASE PUSH BAR. ADJUST BOTTOM BOLT SO IT CLEARS THRESHOLD BY 1/8" AS DOOR CLOSSES.

**STEP 14**  
INSTALL LOWER COVER. SNAP ALUMINUM 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.



**STEP 15**  
INSTALL TWO PROTECTIVE COVERS ON TOP BOLT ACTUATOR ASSEMBLY AND LOWER COVER. SLIDE PROTECTIVE COVERS INTO TOP BOLT ACTUATOR ASSEMBLY AND LOWER COVER. SECURE EACH COVER WITH ONE SCREW AT SIDE.



**STEP 16**  
INSTALL PUSH BAR END CAPS

