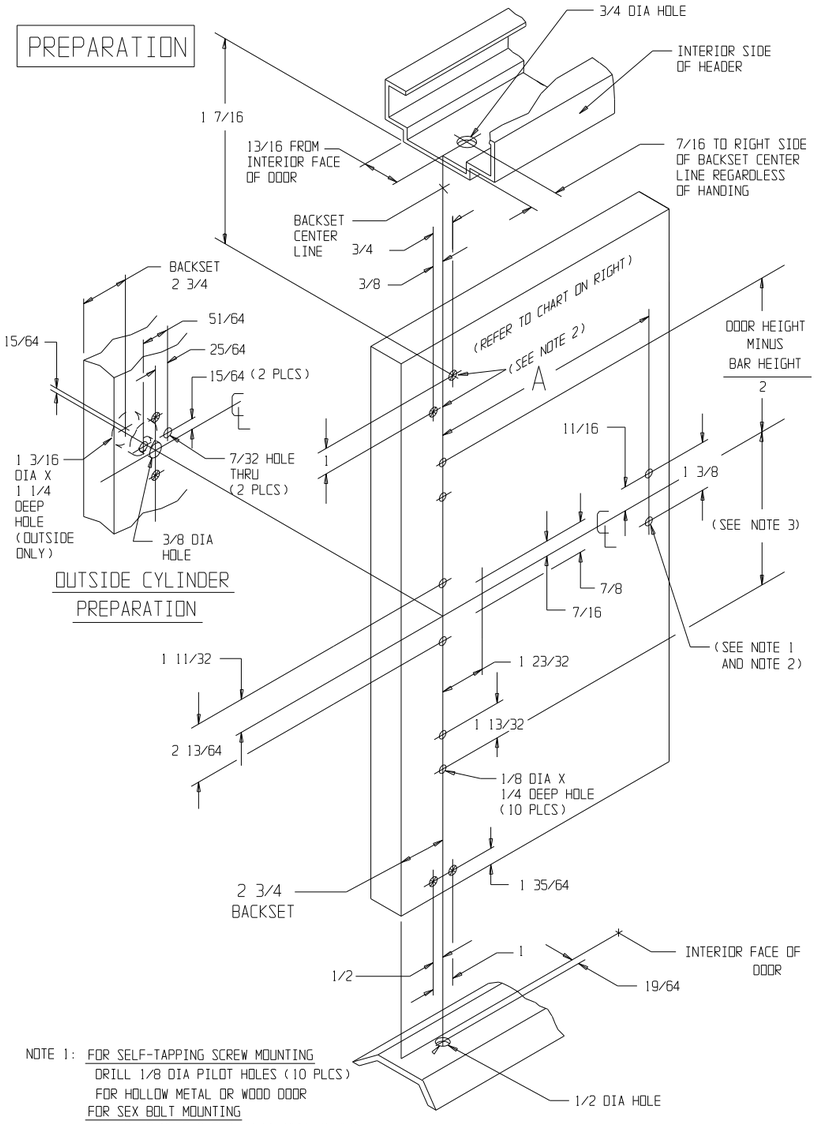
PREPARATION



OUTSIDE CYLINDER PREPARATION

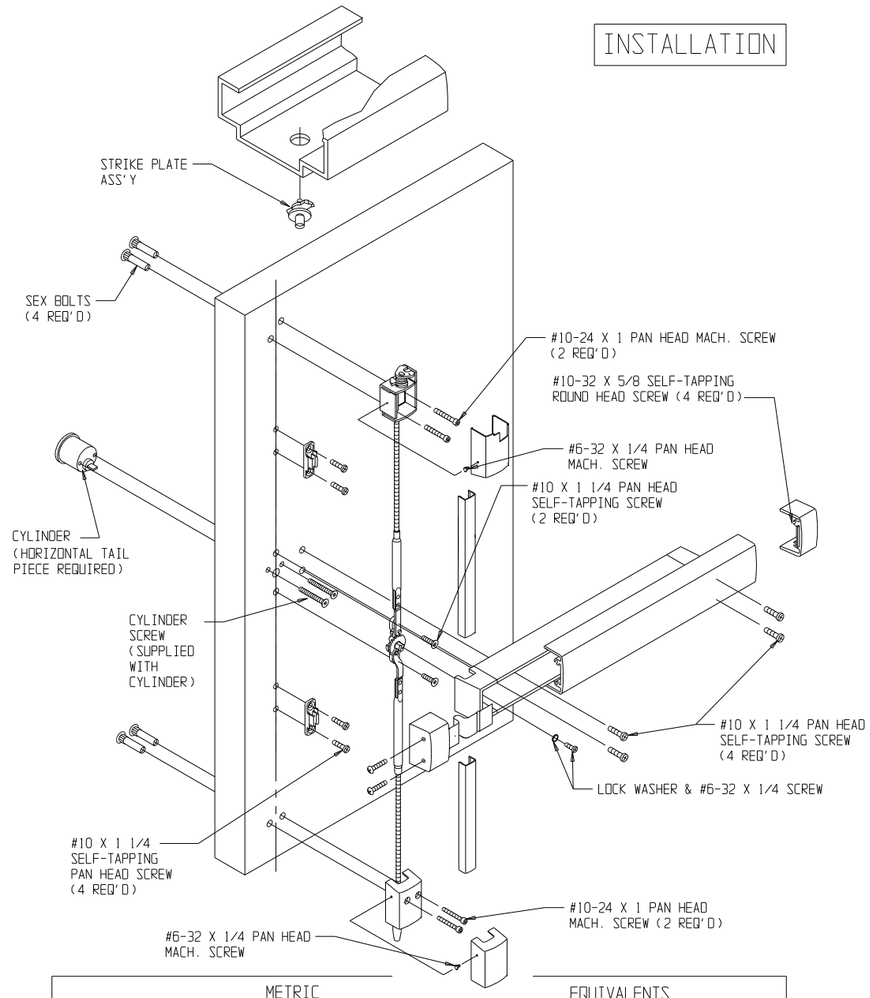
NOTE 1: FOR SELF-TAPPING SCREW MOUNTING
DRILL 1/8 DIA PILOT HOLES (10 PLCS)
FOR HOLLOW METAL OR WOOD DOOR
FOR SEX BOLT MOUNTING
REFER TO NOTE 2 FOR DRILL HOLE SIZES

NOTE 2: UNLESS OTHERWISE SPECIFIED, 4 HOLES (@) 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.

INSTALLATION



METRIC						EQUIVALENTS			
INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
1/8	3,17	7/16	11,11	7/8	22,22	1 35/64	39,27	36	914,40
3/16	4,75	29/64	11,56	1	25,40	1 23/32	43,64	36 1/4	920,75
7/32	5,54	1/2	12,70	1 3/16	30,14	1 3/4	44,45	42	1066,80
15/64	6,10	5/8	15,86	1 1/4	31,75	2 13/64	55,88	42 1/4	1073,15
1/4	6,35	43/64	17,07	1 11/32	34,29	3 19/32	91,26	48	1219,20
9/32	7,14	11/16	17,45	1 3/8	34,93	18	457,20		
19/64	7,54	3/4	19,05	1 13/32	35,56	24 1/4	615,95		
3/8	9,52	51/64	20,32	1 27/64	36,09	30	762,00		
25/64	10,16	13/16	20,62	1 1/2	38,10	30 1/4	768,35		

	DOOR OPENING WIDTH			
	30"	36"	42"	48"
DIM A	24 1/4	30 1/4	36 1/4	42 1/4

CUT-OFF INSTRUCTIONS FOR NON-STANDARD DOORS

1. DRIVE OUT TWO ROLL PINS.
2. REMOVE MOUNTING CAP.
3. COLLAPSE BAR AND TAPE DOWN IN THE AREA OF CUT-OFF.
4. DETERMINE EXTRUSION LENGTH ("B" DIM). (NOTE: 3 19/32" MINIMUM 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 MOUNTING BAR (FIG. "C"), AND USE AS A GUIDE TO DRILL TWO 1/8" DIA HOLES.
8. RE-INSTALL MOUNTING CAP INTO MOUNTING BAR AND DRIVE TWO ROLL PINS INTO HOLES.

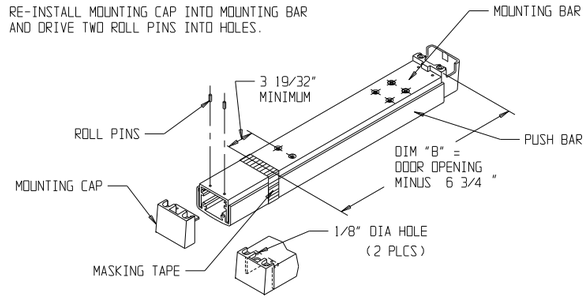
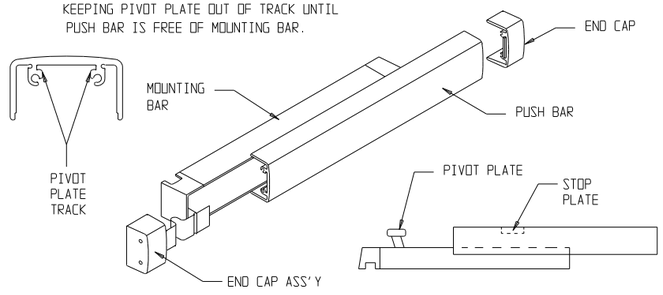


FIG. "C"

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

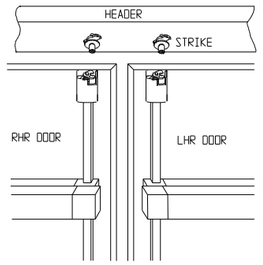
1. WITH PUSH BAR IN HAND AND MOUNTING BAR ATTACHED TO DOOR, FIND STOP PLATE STAKED INTO PUSH BAR. (THIS PLATE IS ON THE LATCH END OF ASSEMBLED UNIT). SLIDE THE PIVOT PLATE NEAREST HINGE INTO TRACK OF PUSH BAR UNTIL SECOND PIVOT PLATE IS EXPOSED. INSERT PIVOT PLATE INTO TRACK ON PUSH BAR AND SLIDE IN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

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INSTALLATION INSTRUCTION CHECKLIST

ADAMS RITE SERIES **3100** EXIT DEVICE

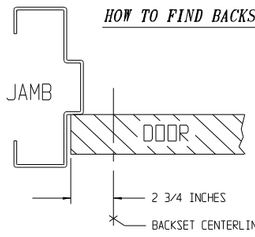


IMPORTANT!

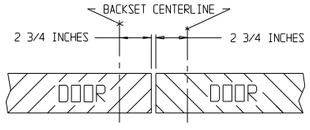
This device is unhanded. It can be installed in either left hand reverse or right hand reverse doors without alteration. The doors' lead stile and header preparation are IDENTICAL *not* mirror image. Note in the sketch above that the yoke type bolt *always* faces right (as viewed from inside) and the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

NOTE STEPS 2 THROUGH 9 ARE MORE EASILY ACCOMPLISHED IF DOOR IS NOT INSTALLED IN FRAME.

HOW TO FIND BACKSET

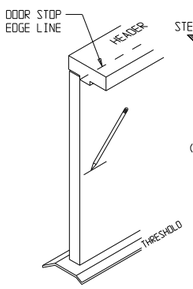


SINGLE DOOR



PAIR DOOR

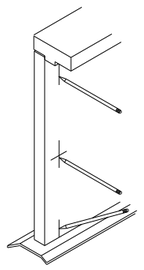
DOOR STOP EDGE LINE



STEP 1

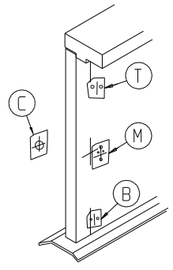
(SHOWN AFTER DOOR IS HUNG.)

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



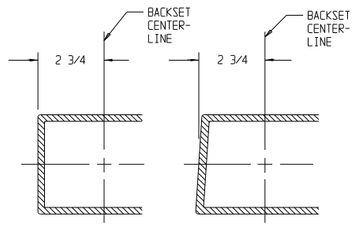
(2) MARK BACKSET CENTERLINE AT TOP, BAR HEIGHT AND BOTTOM. (ALSO MARK ON OUTSIDE AT BAR HEIGHT IF CYLINDER OR LEVER TRIM IS TO BE FITTED.)

STEP 2



PEEL OFF BACKING AND APPLY CLEAR STICK-ON TEMPLATES OVER THE PENCIL LINES AND DRILL WHERE SHOWN.

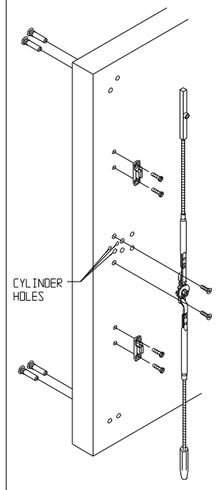
IF REQUIRED, PREPARE FOR LEVER TRIM AT THIS TIME.



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

STEP 3

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 HEIGHT TO TOP OF DOOR, ANOTHER HALFWAY TO BOTTOM OF DOOR. USE ROD GUIDE AS TEMPLATE TO DRILL HOLES FOR SELF-TAPPING SCREWS.



STEP 4

IF CYLINDER OR LEVER TRIM IS REQUIRED, INSTALL IT NOW WITH SCREWS THROUGH DOOR.

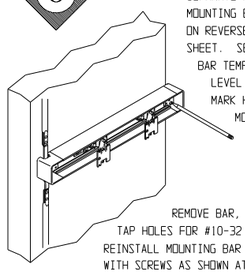
REMOVE TEMPLATE (M) LAY ROD MECHANISM ON PREPARED DOOR AND SECURE GEAR PLATE WITH TWO #10 FLAT HEAD SCREWS. SNAP THREADED RODS INTO TWO PLASTIC ROD GUIDES.

STEP 5

ADJUST RODS TO LENGTH:

WITH GEARS ALIGNED TO STAMPED MARKS, 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)

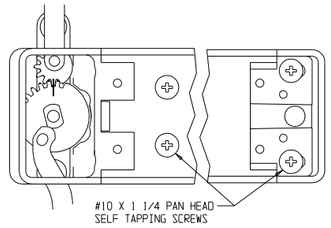
STEP 6



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.

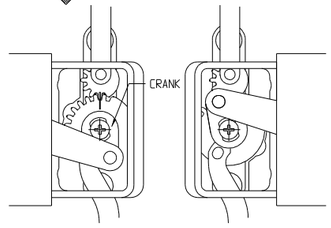
REMOVE BAR, DRILL AND TAP HOLES FOR #10-32 THREAD. REINSTALL MOUNTING BAR PERMANENTLY WITH SCREWS AS SHOWN AT NEXT COLUMN.

HOLLOW METAL/WOOD DOOR



STEP 7

SECURE CRANK ON DRIVER SHAFT WITH LOCK WASHER AND SCREW



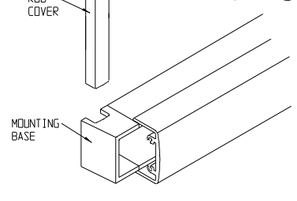
RHR DOOR WILL LOOK LIKE THIS

LHR DOOR WILL LOOK LIKE THIS

REINSTALL PUSH BAR AS SHOWN ON REVERSE OF THIS SHEET.

STEP 8

CUT ROD COVERS TO LENGTH. INSERT END IN MOUNTING BASE AND CUT AS SHOWN ON STICK-ON TEMPLATES (T) AND (B).



STEP 9

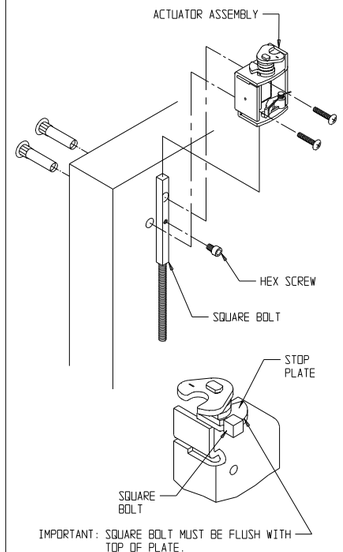
REMOVE HEX SCREW FROM SQUARE BOLT.

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

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:

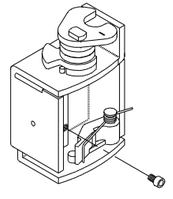
-REMOVE THE ACTUATOR ASSEMBLY.
-TURN THE SQUARE BOLT UP OR DOWN AS NECESSARY.
-REINSTALL ACTUATOR ASSEMBLY.



IMPORTANT: SQUARE BOLT MUST BE FLUSH WITH TOP OF PLATE.

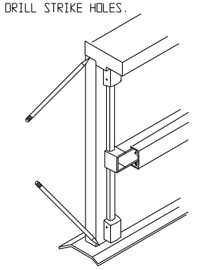
STEP 10

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



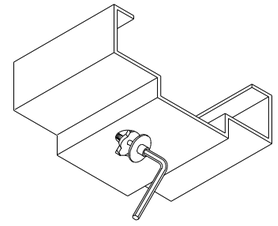
STEP 11

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.



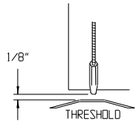
STEP 12

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



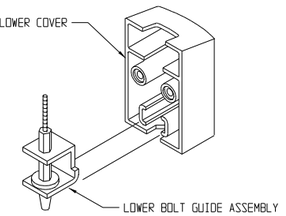
STEP 13

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



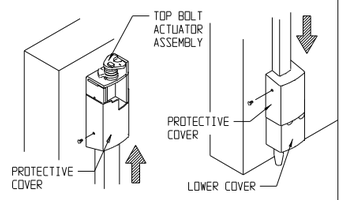
STEP 14

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.

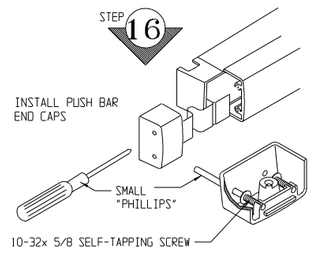


STEP 15

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



STEP 16



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