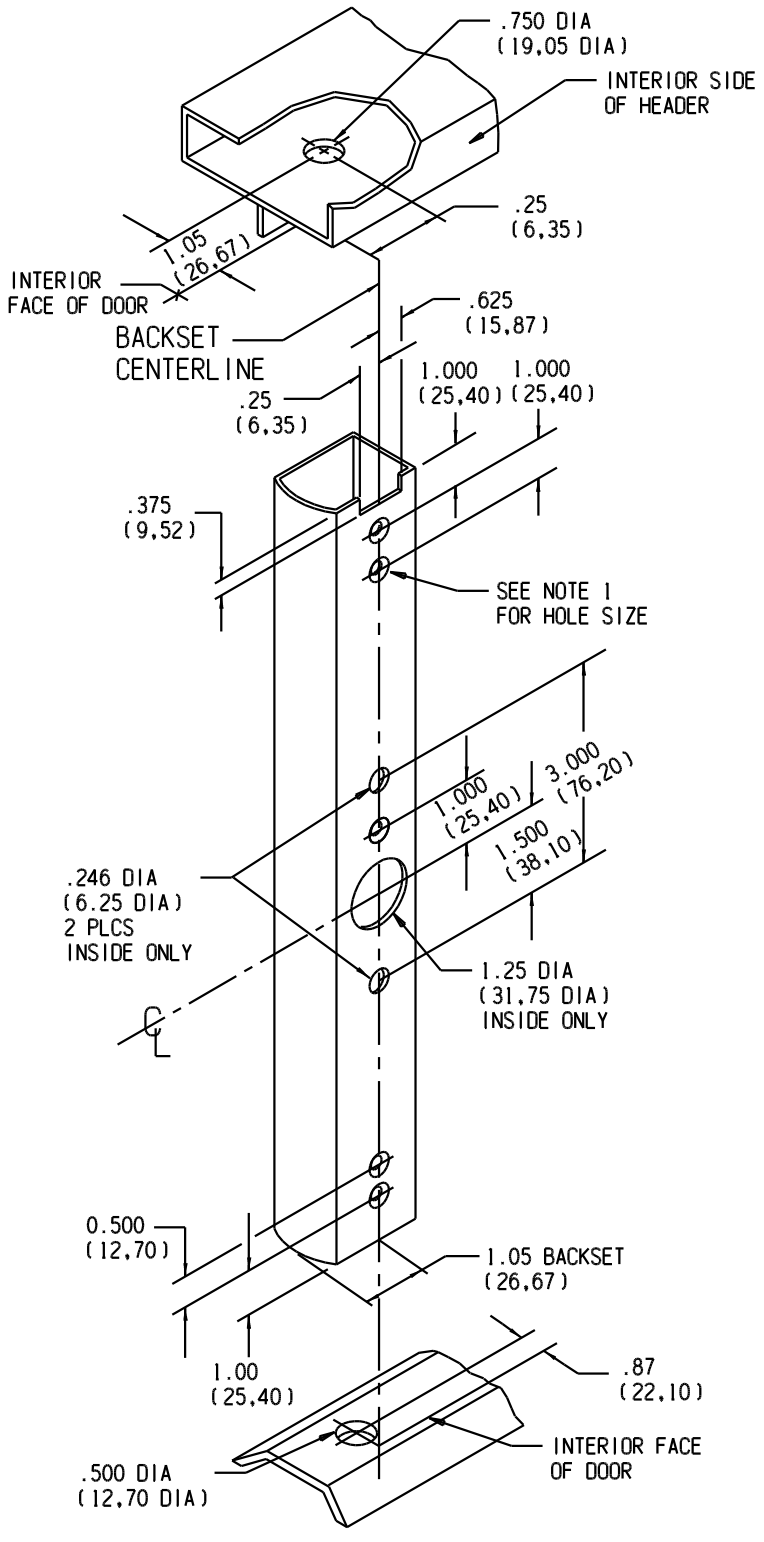
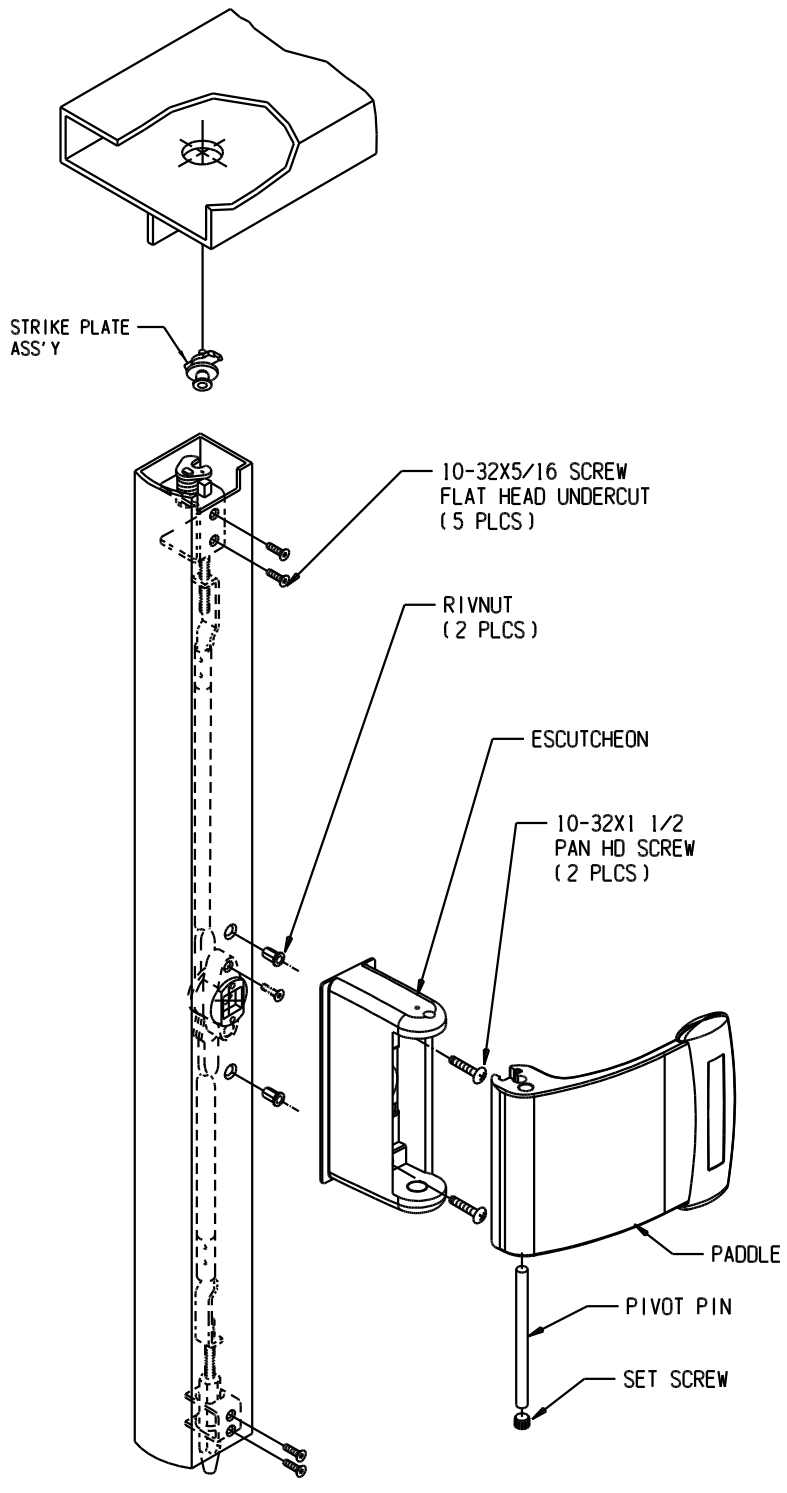
## CONCEALED VERTICAL ROD & PADDLE

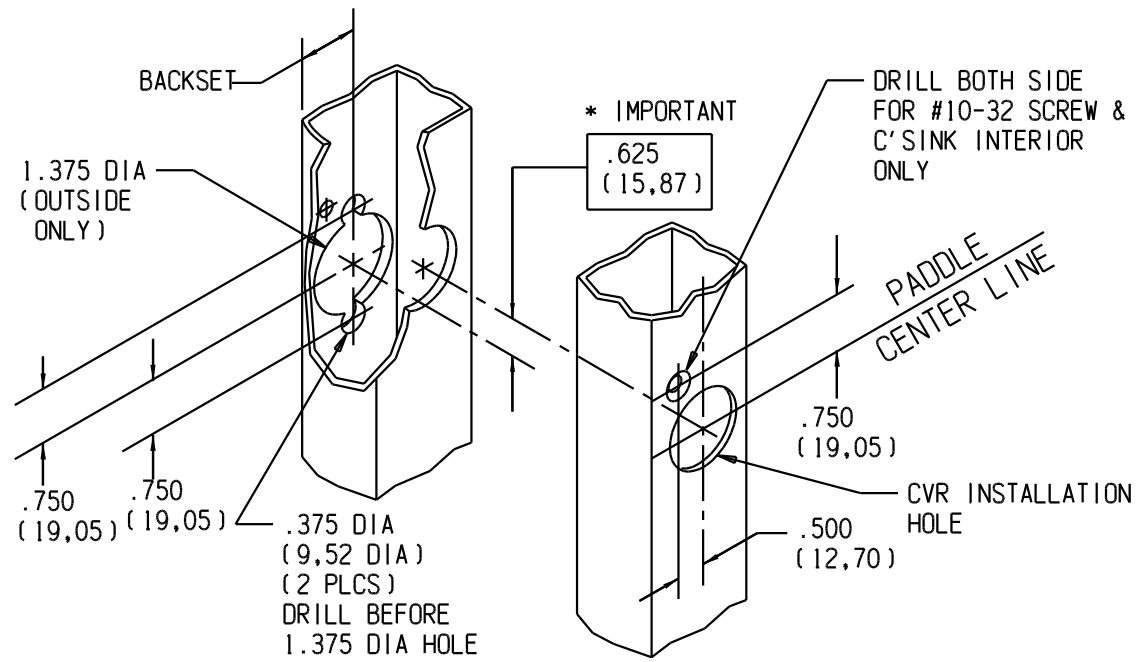
**IMPORTANT!**
FOLLOW THE INSTALLATION INSTRUCTIONS ON THE OPPOSITE SIDE.

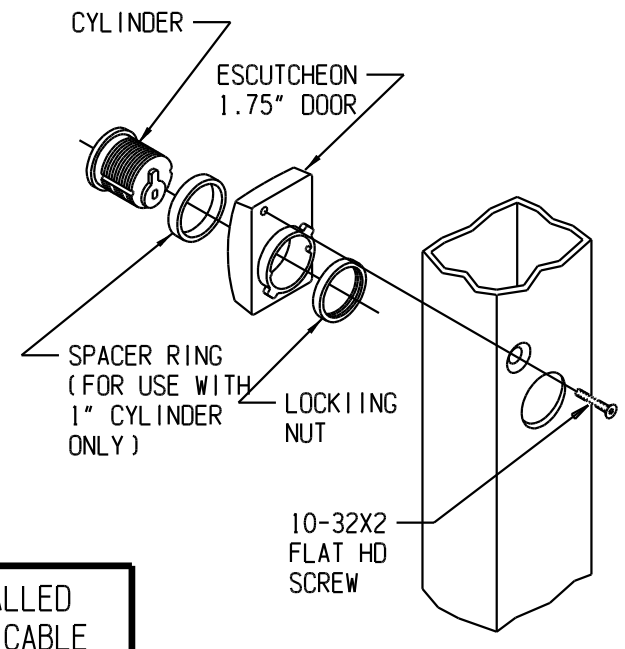
## AMERICAN MORTISE CYLINDER

ALL DIMENSIONS IN INCH WITH MM EQUIVALENT IN ( ).




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

NOTE 1: DRILL AND COUNTERSINK 5 HOLES FOR #10-32 FLAT HEAD SCREWS, INSIDE ONLY.

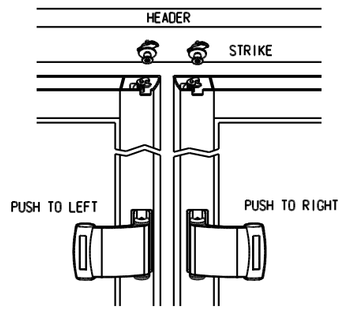

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# 80-0180-128 4781 TWO-POINT LATCH

INSTALLATION INSTRUCTIONS

# INSTALLATION INSTRUCTION CHECKLIST

## *4781 TWO-POINT LATCH*

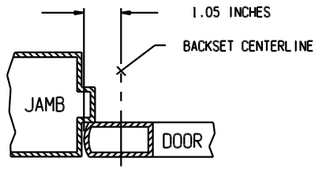



### *IMPORTANT!*

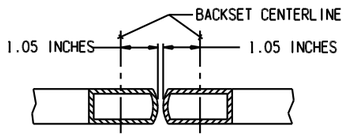
The rod mechanism is unhanded. It can be installed in either push to left or push to right without alteration. The doors' lead stile and header preparation are IDENTICAL ***not*** mirror image. Note in the sketch above that the yoke type bolt ***always*** faces right (as viewed from inside) and the strike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

***NOTE*** STEPS 1 THRU 5 ARE MORE EASILY ACCOMPLISHED IF DOOR IS NOT INSTALLED IN FRAME.

### *HOW TO FIND BACKSET*

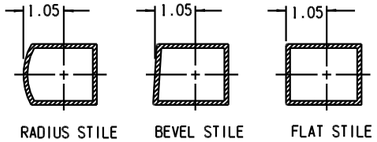



SINGLE DOOR




BEVEL STILE AND FLAT STILE APPLY TO SINGLE SINGLE DOOR ONLY.

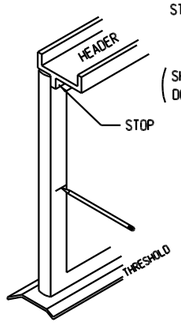
PAIR DOOR



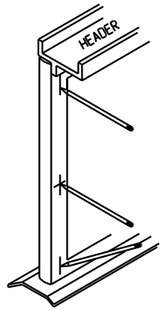

BACKSET IS MEASURED AT DOOR CENTERLINE, NOT THE EDGE.

STEP 1

(SHOWN AFTER DOOR IS HUNG.)

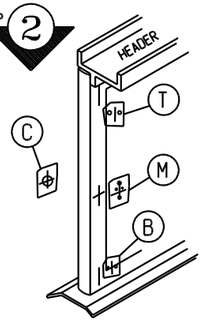



MARK PADDLE HEIGHT ON INSIDE OF DOOR STILE (AND ON OUTSIDE, IF CYLINDER WILL BE FITTED).




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

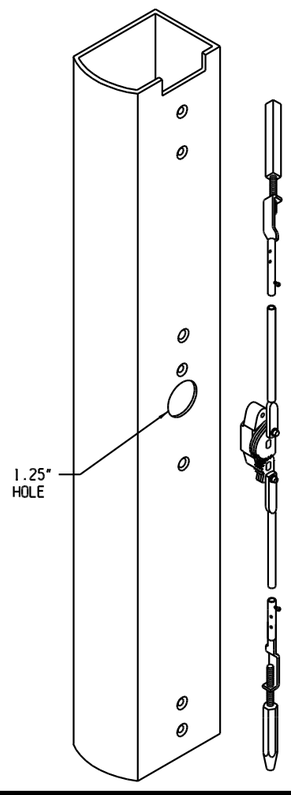
STEP 2




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

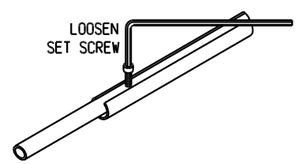
STEP 3

LAY ROD MECHANISM ON PREPARED DOOR WITH GEAR PLATES OUTWARD AND CASTING RESTING IN 1 1/4" DIAMETER HOLE IN DOOR AS SHOWN BELOW.




STEP 4

ADJUST RODS TO APPROXIMATE LENGTH. (ROUGH ADJUSTMENT FOR NOW)

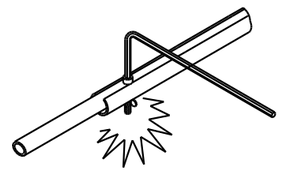




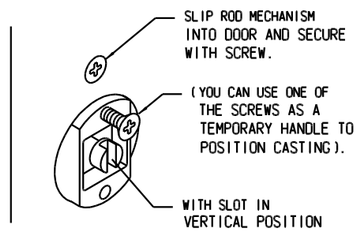


STEP 5

WHEN ROUGH ADJUSTMENT OF RODS IS CORRECT, TIGHTEN METAL-PIERCING SCREWS ALL THE WAY THRU TUBE. YES! ALL THE WAY THROUGH AND TIGHT.

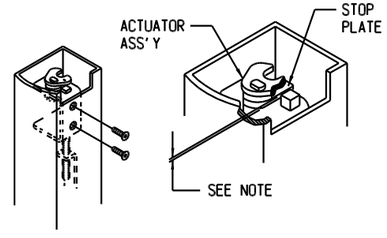


STEP 6




STEP 7

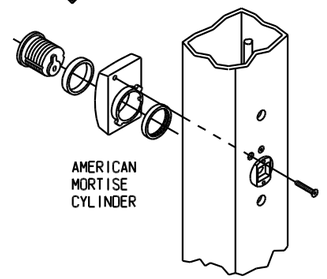
INSTALL TOP BOLT ACTUATOR ASSEMBLY AND SECURE WITH TWO SCREWS. WITH ASSEMBLY IN LOCKED POSITION AND PUSH BAR RELEASED, END OF SQUARE BOLT SHOULD ENGAGE STOP PLATE AS SHOWN. (FOR FINE ADJUSTMENT, REMOVE ACTUATOR ASSEMBLY, ADJUST BOLT UP OR DOWN AND REINSTALL ASSEMBLY.)

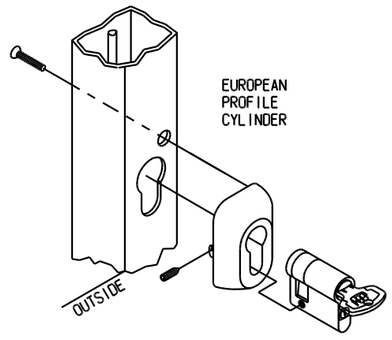



NOTE: SQUARE BOLT MUST BE FLUSH WITH TOP OF STOP PLATE TO 1/16 MAX. BELOW FLUSH.

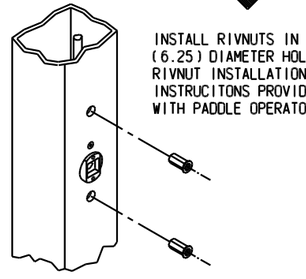
STEP 8

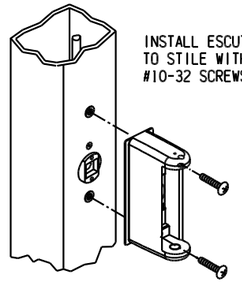
INSTALL CYLINDER KIT IF FITTED.

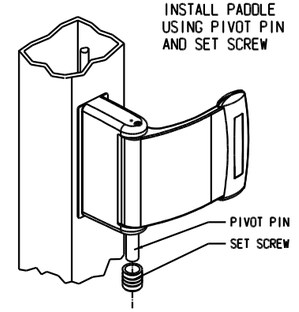



STEP 9

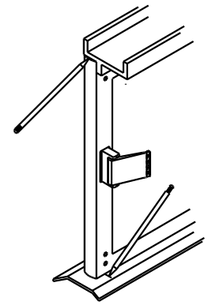


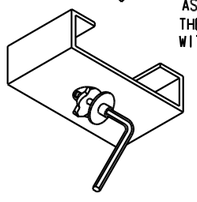

STEP 10

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 11

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



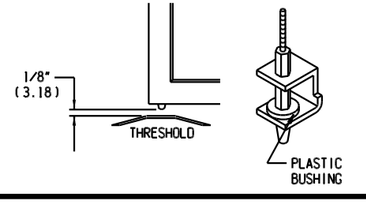
STEP 12

(1) HOLD DOOR OPEN.

(2) DEPRESS AND RELEASE PUSH BAR.

(3) ADJUST BOTTOM BOLT SO IT CLEARS THRESHOLD BY 1/8" AS DOOR CLOSES.

(4) INSTALL BOTTOM GUIDE (PLASTIC BUSHING DOWN) AND SECURE WITH TWO SCREWS.




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