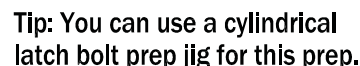
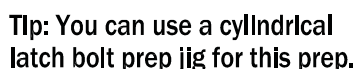


ITEM NOS. 960, 962

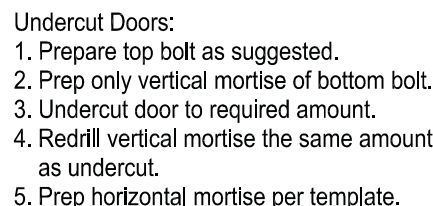
960 = Single Bolt
962 = Set of Bolts



NOTE: Do not exceed 5/32" [4]



NOTE: The top bolt details are shown.
For the bottom bolt, invert and measure
from the bottom edge of the door.



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**DOOR CONTROLS
INTERNATIONAL™**
2362 BISHOP CIRCLE EAST
DEXTER, MI 48130 U.S.A.
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NO. 960 SERIES AUTOMATIC FLUSH BOLTS FOR WOOD DOORS - INSTALLATION

TEMPLATE APPLIES TO

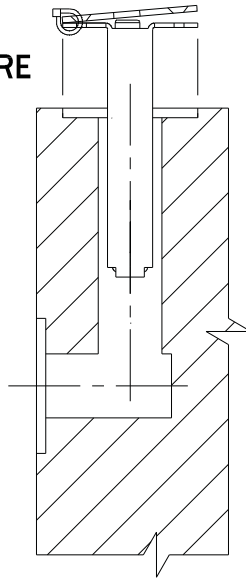
ITEM NOS. 960, 962

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Bolt Installation

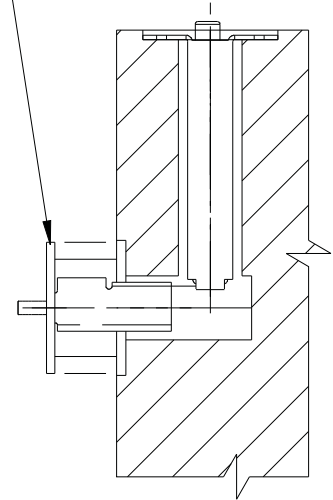
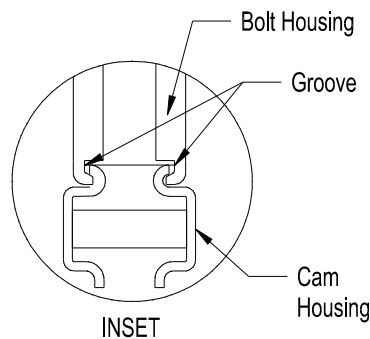
1. Remove Tie and install Bolt Housing.

DO NOT SECURE

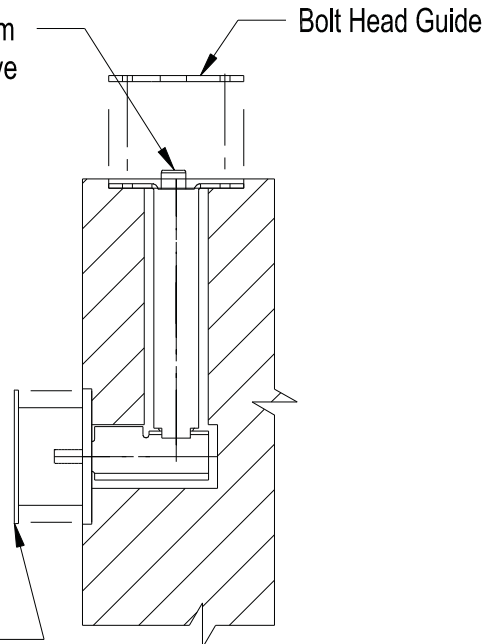


2. Install Cam Housing into grooves in Bolt Housing. See inset.

TIP: Check bolt engagement prior to fully installing by gently twisting Cam Housing. If it rotates, it is not engaged into the Bolt Housing.

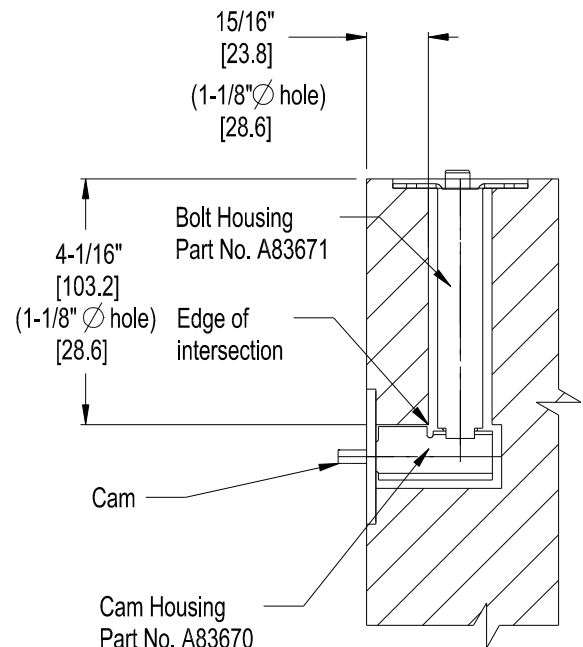


3. Adjust Bolt Head from 0" to 1/16" [1.6] above Bolt Head Guide. Secure Bolt Head Guide and Bolt Housing with 2 ea. #8 APS



4. Install Cover Plate over Cam Housing and secure with 2 ea. #8 APS.

Note: If prepped holes are not perpendicular cam may bind. Break edge of the intersection of the 2 holes or file the edge of the vertical hole to ensure the noted dimension.



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Dimensions in [] denotes millimeters

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Technical Information

960 = Single Bolt
962 = Set of Bolts

General Information:

The 960 Automatic Flush Bolt uses a standard latch bolt prep fixture with 1-1/8" [28.6] diameter drill bit. For beveled doors, the face of the 960 pivots, making the bolt suitable for all door edges.

Preparation Tips:

1. Do not exceed 5/32" [4] depth when mortising the two rectangles. Greater depths will hinder the mating of the two assemblies.
2. The 1-1/8" [28.6] holes must be drilled perpendicular to the door edges as well as parallel with the door faces.
3. Undercut Doors:
 1. Prepare top bolt as suggested.
 2. Prep only vertical mortise of bottom bolt.
 3. Undercut door to required amount.
 4. Redrill vertical mortise the same amount as undercut.
 5. Prep horizontal mortise per template.

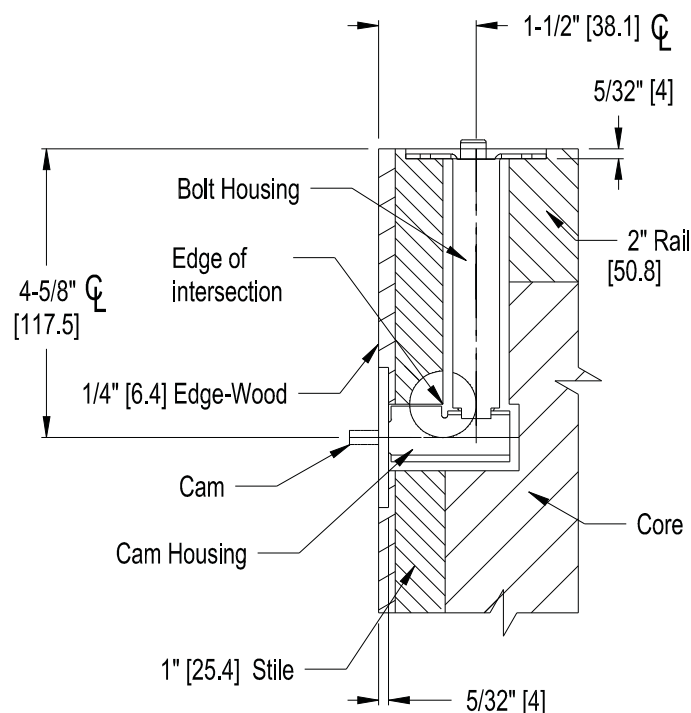
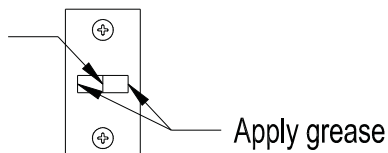
Trouble Shooting:

1. If the operation is stiff or the cam sticks, the drilled holes are not quite perpendicular and/or do not meet adequately. In this case, it may be necessary to break the inside edge of the intersecting holes with a smaller drill, or a round file.
2. If breaking the edge does not improve operation, check to see that the two assemblies are mated correctly as stated in Step 2 of the installation instructions.

Maintenance Tips:

The 960 will provide years of trouble free operation. Periodic greasing with a moly or lithium based grease will extend the life of the 960.

Depress cam and apply grease to both sides of cam slide.



Dimensions in [] denotes millimeters

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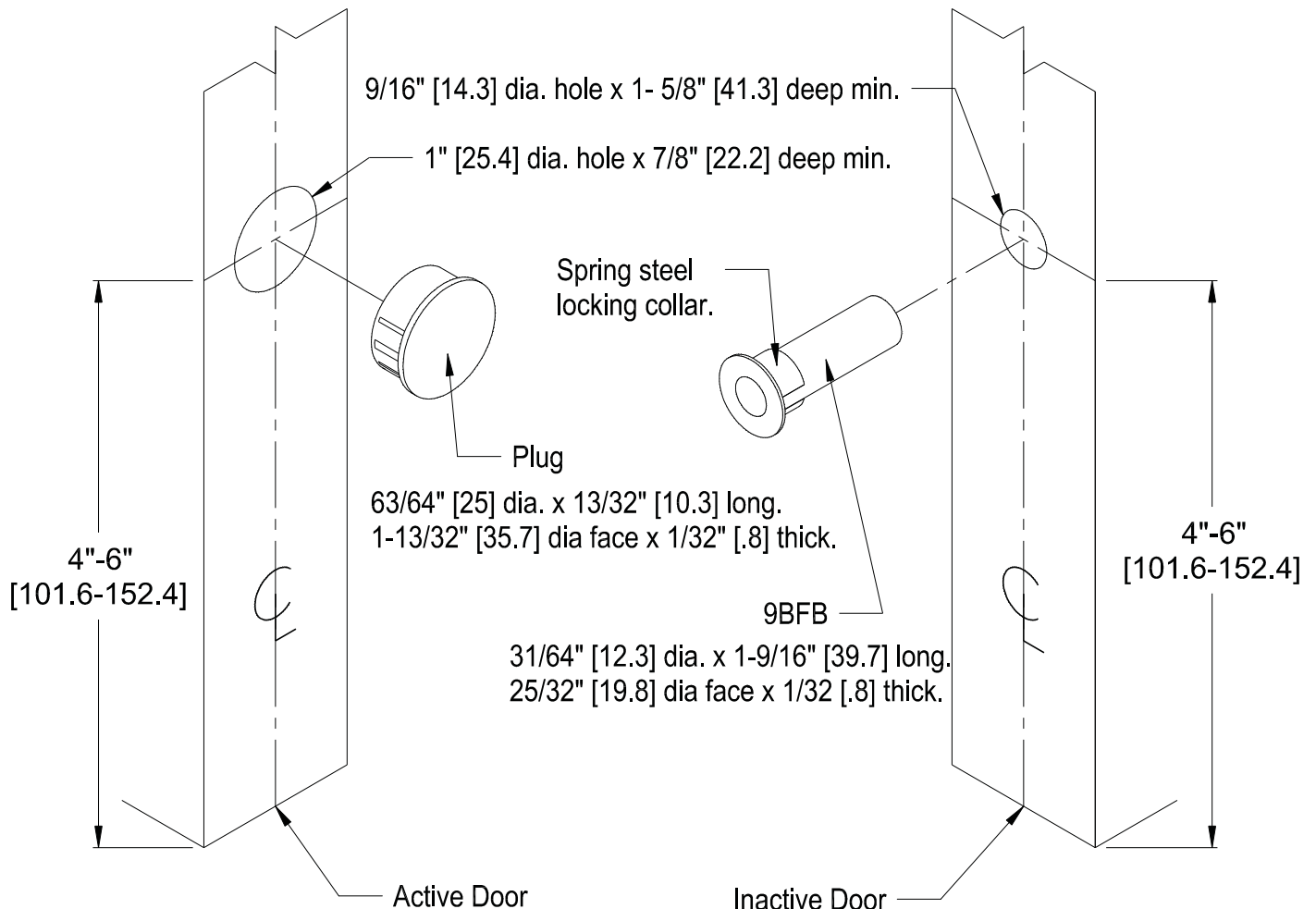
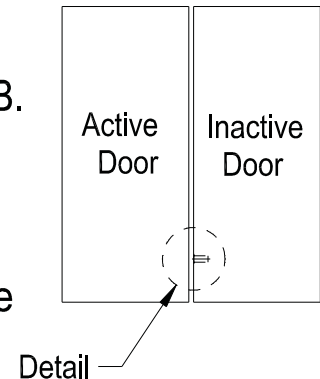
Installation Instructions

Inactive Door

1. Measure 4"- 6" [101.6 - 152.4] from bottom of the Inactive Door.
2. Drill a 9/16" [14.3] dia. hole x 1-5/8" [41.3] deep for 9BFB.
3. Install 9BFB by striking squarely with a hammer.

Active Door

1. Drill a 1" [25.4] dia. x 7/8" [22.2] deep hole for Plug at the same height as the 9BFB.
2. Install plug in door by striking with a hammer.
3. For zero clearance doors, counterbore 1-1/4" [31.8] dia x 1/16" [1.6] deep for plug.



IMPORTANT: The 9BFB will project during a fire.
Do not cover with any edge mounted door hardware.