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Should you have a Question/Problem with your Detex device please call Detex Technical Support from the job site at 1-800-729-3839 and choose option 2 on our menu. Please do not return the product to the distributor.

For WARRANTY information, scan code below or go to www.detex.com/warranty

For device installation videos, scan code below or go to www.detex.com/videos

Owner's Copy
TOP ROD ONLY (TRO) INSTALLATION

FIRE RATED TRO INSTALLATIONS REQUIRE USE OF POPPERS

PARTS AT LEFT ARE USED IN ADDITION TO THE TRO PARTS SHOWN ABOVE WHEN INSTALLING TOP & BOTTOM ROD DEVICE
<table>
<thead>
<tr>
<th>Item</th>
<th>Order Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>101463-9</td>
<td>Centercase, RHR, Narrow Stile, 50 Series</td>
</tr>
<tr>
<td></td>
<td>101463-11</td>
<td>Centercase, LHR, Narrow Stile, 50 Series</td>
</tr>
<tr>
<td>2</td>
<td>106281</td>
<td>Baseplate Extrusion, 36&quot;, Silver</td>
</tr>
<tr>
<td></td>
<td>106285</td>
<td>Baseplate Extrusion, 48&quot;, Silver</td>
</tr>
<tr>
<td></td>
<td>106289</td>
<td>Baseplate Extrusion, 36&quot;, Black</td>
</tr>
<tr>
<td></td>
<td>106290</td>
<td>Baseplate Extrusion, 48&quot;, Black</td>
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<tr>
<td>3</td>
<td>103065-1</td>
<td>Pushpad Subassembly, 36&quot;</td>
</tr>
<tr>
<td></td>
<td>103065-2</td>
<td>Pushpad Subassembly, 48&quot;</td>
</tr>
<tr>
<td>4</td>
<td>105417-1</td>
<td>Pushpad Wrap, 36&quot;, Red (English Text)</td>
</tr>
<tr>
<td></td>
<td>105417-2</td>
<td>Pushpad Wrap, 48&quot;, Red (English Text)</td>
</tr>
<tr>
<td></td>
<td>105417-3</td>
<td>Pushpad Wrap, 36&quot;, Black</td>
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<td></td>
<td>105417-4</td>
<td>Pushpad Wrap, 48&quot;, Black</td>
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<td>5</td>
<td>101806-3</td>
<td>Centercase Cover</td>
</tr>
<tr>
<td></td>
<td>103547</td>
<td>Centercase Cover Cap (for TRO device only)</td>
</tr>
<tr>
<td>7KIT</td>
<td>103806-15</td>
<td>Mounting Plate/Strike Locator Kit, Narrow Stile, 96, BP2 (Includes 7A, 7B, 7C)</td>
</tr>
<tr>
<td>7A</td>
<td>100699-1</td>
<td>Mounting Plate, BP2, Narrow Stile</td>
</tr>
<tr>
<td>7B</td>
<td>100699</td>
<td>Mounting Plate, BP8 for 03 Trim, Narrow Stile</td>
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<tr>
<td>7C</td>
<td>101511-1</td>
<td>Strike Locator</td>
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<tr>
<td>8</td>
<td>100720</td>
<td>Centercase Cover</td>
</tr>
<tr>
<td>8</td>
<td>101844-1</td>
<td>Endcap bracket w/o battery holder</td>
</tr>
<tr>
<td></td>
<td>101844</td>
<td>Endcap bracket w/ battery holder</td>
</tr>
<tr>
<td>9</td>
<td>101822</td>
<td>Endcap</td>
</tr>
<tr>
<td>10KIT</td>
<td>101903-1</td>
<td>Fillerplate, Subassembly, S&amp;R, Hex Dogging, HD, V50 series, 36&quot; (Includes 10A through 10D)</td>
</tr>
<tr>
<td>10A</td>
<td>101812-1</td>
<td>Fillerplate, HD, 36&quot;</td>
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<tr>
<td></td>
<td>101812-2</td>
<td>Fillerplate, HD, 48&quot;</td>
</tr>
<tr>
<td>1OB</td>
<td>100164</td>
<td>Spacer, dogging bracket, .120&quot; thick</td>
</tr>
<tr>
<td>1OC</td>
<td>102216-4</td>
<td>Die cast dogging assembly, Hex Dogging (HD)</td>
</tr>
<tr>
<td>1OD</td>
<td>PP-5802-124</td>
<td>Screw, mach, 10-32 x 1-1/2&quot; PFH</td>
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<tr>
<td>11KIT</td>
<td>102195-1</td>
<td>Fillerplate, Subassembly, S&amp;R, Cylinder Dogging, CD, V50 series, 36&quot; (Includes 11A through 11F)</td>
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<tr>
<td>11A</td>
<td>102194-1</td>
<td>Fillerplate, CD, 36&quot;</td>
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<td></td>
<td>102194-2</td>
<td>Fillerplate, CD, 48&quot;</td>
</tr>
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<td>11B</td>
<td>100164</td>
<td>Spacer, dogging bracket</td>
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<tr>
<td>11C</td>
<td>102216-3</td>
<td>Die cast dogging assembly, Cylinder Dogging (CD)</td>
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<tr>
<td>11D</td>
<td>PP-5802-124</td>
<td>Screw, mach, 10-32 x 1-1/2&quot; PFH</td>
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<td>11E</td>
<td>102196</td>
<td>Bracket, fillerplate, CD, V50</td>
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<tr>
<td>11F</td>
<td>100938</td>
<td>Spacer, dogging bracket, .060&quot; thick</td>
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<tr>
<td>12</td>
<td>100450</td>
<td>Hex Key (for Hex Dogging)</td>
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<td>13</td>
<td>100783</td>
<td>Cylinder Nut (for Cylinder Dogging)</td>
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<tr>
<td>14KIT</td>
<td>100855-4</td>
<td>96 Strike Kit (Includes 14A, 14B)</td>
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<tr>
<td>14A</td>
<td>101067</td>
<td>Strike Shim, Narrow</td>
</tr>
<tr>
<td>14B</td>
<td>1002330</td>
<td>Strike, Non-roller, Narrow</td>
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<tr>
<td>15KIT</td>
<td>104071</td>
<td>Top Latch Assembly (Includes 15A, 15B &amp; cover screws)</td>
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<td>15A</td>
<td>101464</td>
<td>Top Latch Assembly</td>
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<tr>
<td>15B</td>
<td>103545</td>
<td>Top Latch Cover</td>
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<tr>
<td>16</td>
<td>104073-1</td>
<td>Rod Guide Kit (1 guide with hardware)</td>
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<tr>
<td></td>
<td>104073-2</td>
<td>Rod Guide Kit (2 guides with hardware)</td>
</tr>
<tr>
<td></td>
<td>104073-3</td>
<td>Rod Guide Kit (3 guides with hardware)</td>
</tr>
<tr>
<td>17</td>
<td>101574-1</td>
<td>Bolt, 1/4-20 x 1&quot;</td>
</tr>
<tr>
<td>18</td>
<td>101574-2</td>
<td>Bolt, 1/4-20 x 2&quot;</td>
</tr>
<tr>
<td>19</td>
<td>104051-3</td>
<td>Top Rod (7° application)</td>
</tr>
<tr>
<td></td>
<td>104051-4</td>
<td>Top Rod (8° application)</td>
</tr>
<tr>
<td></td>
<td>103073-1</td>
<td>Top Rod (10° application)</td>
</tr>
<tr>
<td>20</td>
<td>101825-1</td>
<td>Narrow Stile Insert</td>
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<tr>
<td>21KIT</td>
<td>104070</td>
<td>Kit, Bottom Bracket/Cover (Includes 21A, 21B &amp; cover screws)</td>
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<tr>
<td>21A</td>
<td>103555</td>
<td>Bottom Bolt Bracket Subassembly</td>
</tr>
<tr>
<td>21B</td>
<td>103652-1</td>
<td>Cover, Bottom Latch</td>
</tr>
<tr>
<td>22KIT</td>
<td>104072</td>
<td>Kit, Bottom Bolt (Includes 22A, 22B, 22C, 22D)</td>
</tr>
<tr>
<td>22A</td>
<td>103551</td>
<td>Bolt Clip</td>
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<tr>
<td>22B</td>
<td>103533</td>
<td>Pin, Bottom Bolt</td>
</tr>
<tr>
<td>22C</td>
<td>103536-1</td>
<td>Bottom Bolt</td>
</tr>
<tr>
<td>22D</td>
<td>103566</td>
<td>Strike, Bottom, with mounting hardware</td>
</tr>
<tr>
<td>23</td>
<td>103544</td>
<td>Bottom Rod</td>
</tr>
</tbody>
</table>

Your particular part or configuration may not be shown: Contact Detex technical support at 800-729-3839 (option 2)
# Hardware Table for BASIC device mounting.

Additional hardware is provided per the device configuration in kit form and is addressed on the appropriate pages as required.

<table>
<thead>
<tr>
<th>Fastener Part No</th>
<th>Drill Bit</th>
</tr>
</thead>
<tbody>
<tr>
<td>P/N: 100980 1/4-20 x 1&quot; PPH</td>
<td>#7 or 13/64&quot;</td>
</tr>
<tr>
<td>P/N: 101621-5 1/4-20 x 1/4&quot; PPH</td>
<td>#7 or 13/64&quot;</td>
</tr>
<tr>
<td>P/N: 100156-104 8-32 x 1/4&quot; PFHU</td>
<td>------</td>
</tr>
<tr>
<td>P/N: 100162-106 6-32 x 3/8&quot; PFHU</td>
<td>P/N: 100162-506 6-32 x 3/8&quot; PFHU</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>P/N: 103276-65 #14 x 1-1/2&quot; PPH SELF DRILLING</td>
<td>1/8 pilot hole recommended for self-drilling screws</td>
</tr>
<tr>
<td>P/N: PP-5183-110 #14 x 1-1/4&quot; PPH WOOD SCREW</td>
<td>------</td>
</tr>
<tr>
<td>P/N: PP-5067-25 #14 Lockwasher Zinc plated</td>
<td>P/N: 106364-25 #14 Lockwasher Stainless Steel</td>
</tr>
<tr>
<td>Optional Sex Nuts can be used for thru-bolting the device to the door. Catalog No: SN1 (quantity 2 per order)</td>
<td>9/32&quot; on interior door face</td>
</tr>
<tr>
<td>NOTE: HURRICANE rated devices MUST BE thru-bolted using either sexnuts or outside mating trim</td>
<td>3/8&quot; on exterior door face</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Drill</th>
<th>Safety Glasses</th>
<th>Tape Measure</th>
<th>3/16&quot; &amp; 5/32&quot; Allen Wrenches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>Pencil</td>
<td>Center Punch</td>
<td>#2 and #3 Phillips Screw Drivers</td>
</tr>
<tr>
<td>Combination Square</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

103123  Pg 4
!!!CHECK BEFORE STARTING!!!

Wide Stile (Surface Strike)
Minimum door stile 4-1/2" (114 mm).
Template drawings provide door and frame structural and dimensional specifications for door and frame preparation.

Narrow Stile
Minimum door stile 2" (51mm)

Doors and frames with walls having a structural thickness (metal skin plus reinforcement, or solid wood) to engage less than (3) full screw threads, are considered unreinforced for hardware.

Unreinforced Doors: Use Sex Nuts and Bolts
Unreinforced Frames: Use Blind Rivet Nuts (see sketch)
Fasteners for unreinforced openings are not supplied by Detex.

Reinforced door or frame engages at least (3) screw threads.

Door Skin

NOTE: 750mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 36" DEVICE
1000mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 48" DEVICE
THE SAFETY FEATURES OF THIS PRODUCT ARE ESSENTIAL TO IT'S COMPLIANCE WITH EN 1125.
NO MODIFICATION OF ANY KIND, OTHER THAN THOSE DESCRIBED IN THESE INSTRUCTIONS ARE PERMITTED.

WHEN PLACING EXIT DEVICES ON EXISTING DOORS, DETEX OFFERS SVR REINFORCEMENT KIT #101063 TO STRENGTHEN THE TOP & BOTTOM BOLT INSTALLATION

NOTE: LOCAL CODES MAY REQUIRE THROUGH BOLTING. SEX NUTS ARE NOT INCLUDED WITH THIS DEVICE. SEX NUTS CAN BE PURCHASED SEPARATELY.
Detex provides optional kits for Advantex, see last page.

RHR
LHR

RHR DOOR INSIDE FACE
LHR DOOR INSIDE FACE

C
HORIZONTAL REFERENCE
40" RECOMMENDED
FINISHED FLOOR
Slide centercase mounting plate in place on centercase locator

**FIG. 2
NOTE:** Centercase mounting plate & locator packed in carton next to device

**FIG. 3A**
WIDE STILE INSTALLATION
Typical Installation Min. Stile 3 1/2" - 1-1/2" to edge of door
(1 2" with tab)

**FIG. 3B**
NARROW STILE INSTALLATION (NS)
Aluminum Door Min. Stile 2" - 1-1/16" to edge of door

**NOTES:**
Plastic locators are provided with an extra 1/2" flap to allow better centering of the device on the stile or can be used when installing 1/2" Astragal to give equal backset from the door edge.

*IF OUTSIDE TRIM IS USED, REFER TO OUTSIDE TRIM INSTRUCTIONS NOW.*

Optional Sex Nuts can be used for thru-bolting the device to the door.
Catalog No: SN1 (quantity 2 per order)
NOTE: Do not use lockwashers.

NOTE: Top latch bracket, latch assembly and cover are shipped as a unit. Disassemble to obtain the respective parts for installation.

Optional Sex Nuts can be used for thru-bolting the device to the door. Catalog No: SN1 (quantity 2 per order)

NOTE: HURRICANE rated devices MUST BE thru-bolted using either sexnuts or outside maling trim.

INSTALL TOP STRIKE

<table>
<thead>
<tr>
<th>96 Strike Kit p/n 100955-4 hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>For (2) outer holes</td>
</tr>
<tr>
<td>P/N: 100980</td>
</tr>
<tr>
<td>1/4-20 x 1” PPH</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>P/N: 103276-63</td>
</tr>
<tr>
<td>#14 x 1” PPH SELF DRILLING</td>
</tr>
<tr>
<td>10-24 x 5/8” PFHUMS</td>
</tr>
<tr>
<td>For (1) inner hole</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>#10 x 1” self-cutting PFHU</td>
</tr>
</tbody>
</table>

Install inner screw AFTER final adjustment
(See Pg. 13 Adjustment/Troubleshooting, Note #4)
NOTE: IF TRO DEVICE, SKIP THIS PAGE AND CONTINUE WITH INSTALLATION

WIDE STILE
Locator placement

MARK BOTTOM BOLT HOLES

NARROW STILE
Locator placement

Same locator used for top latch

Align locator EDGE with door edge and locator BOTTOM with door bottom

Align locator ARROWS with edge of door and locator BOTTOM with door bottom

FIG. 6

NOTE: BOTTOM BRACKET IS NON-HANDED AND MAY BE USED FOR RHR AND LHR APPLICATIONS

FIG. 7A

NOTE: IF OPTIONAL BOTTOM BOLT GUARD WILL BE USED, AN ADDITIONAL MOUNTING BRACKET IS REQUIRED. SEE BOTTOM BOLT GUARD INSTALLATION INSTRUCTIONS.

FIG. 7B

NOTE: Do not use lockwashers.

Optional Sex Nuts can be used for thru-bolting the device to the door. Catalog No: SN1 (quantity 2 per order)

NOTE: HURRICANE rated devices MUST BE thru-bolted using either sexnuts or outside mating trim
AFTER POSITIONING DEVICE AGAINST DOOR, INSTALL 1/4-20 x 1/4" PPH SCREWS. CAUTION: MUST INSTALL TO SECURE CENTERCASE NOTE: FAILURE TO INSTALL VOIDS WARRANTY

Be sure to engage cam to tailpiece on mounting plate Note the position of the cam

Depress pushpad when installing Insert centercase into slots of centercase mounting plate, depress pushpad, rotate toward door.

FIG. 8A

FOR 03 FUNCTION ONLY

LHR

RHR

Be sure to engage cam to tailpiece on mounting plate Note the position of the cam

FIG. 8B

CHECKING FOR DEVICE CLEARANCE (Cut-Off procedure if required)

CAUTION: Check for device and door frame clearance. If no cut-off needed, proceed to the next step.

1

2 Cut fillerplate and extrusion STRAIGHT & SQUARE to desired length and deburr Secure with tape before cutting

Non-Electrified Minimum Fillerplate Length

<table>
<thead>
<tr>
<th>Type</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD</td>
<td>2-1/2&quot;</td>
</tr>
<tr>
<td>HD/CD</td>
<td>3&quot;</td>
</tr>
</tbody>
</table>

For further Cut-Down information, see: www.detex.com/cutdown
MORTISE CYLINDER INSTALLATION
CD (Cylinder Dogging)
(if required)

Follow steps "a" through "g" for CD installations
a. Remove endcap and endcap mounting bracket.
b. Remove fillerplate.
c. Remove and discard shipping insert and nut.
   Loosen (2) screws from dogging assembly.
d. Install mortise cylinder (sold separately) with large hex nut provided.
e. Trial fit dogging assembly. If cylinder is too short, remove spacers as necessary and
   reattach them under the (2) screw heads (see above).
   Fasten the (2) screws to the rest of the assembly.
   NOTE: The key should easily turn in both directions.
f. Rotate key counterclockwise
g. Assembly complete. Continue with Panic Hardware instruction.

Level pushpad assembly

Slide fillerplate & endcap bracket into
extrusion & level pushpad assembly.
Note: Endcap Bracket must bottom-out
on extrusion.

DO NOT REMOVE NYLON SPACER ON BACK OF BRACKET!
Secure the endcap bracket to door by tightening
the factory installed self-drilling screw.

1/4" collar (not supplied)
required for 7 pin cylinder.
(Detex p/n: ECL-1595)

.313"

.715"

Mortise Cylinder
with standard Yale
cam required

Adjust for LONGER cylinder
length with spacers (provided)
and cylinder collar (not included)

Mark and drill holes
for endcap bracket.

#14 x 1"

1/4-20 x 1"

#14 x 1-1/4" SMS

IMPORTANT:
Install (2)
6-32 FH screws
for added security

6-32 x 3/8" PFHU

103123 Pg 10
CORRECT HANDLING OF DEVICE
NOTE: LINK SHOULD ALWAYS BE IN TOP POSITION

Right Hand Reverse (RHR)

Left Hand Reverse (LHR)

NOTE: If removed, be sure to replace screws after adjustment. These screws MUST be used.

NOTE HANDING INDICATOR ON CENTER LIFT

LINK

NOTE: If removed, be sure to replace screws after adjustment. These screws MUST be used.

FIG. 8A

VERIFY:
If link is not in uppermost position on the centerlift, carefully remove "E" clips and reposition link to the pin of the centerlift and replace "E" clips. (An additional "E" clip is provided on opposite link pin.)

Verify carriage moves up and down smoothly when pushpad is depressed and released.

TOP ROD INSTALLATION

1. Top rod may require cutting if centerline of device is over 40" from finished floor, or if a non-standard height is used.

2. To determine rod length: Undo device and measure the distance from the bottom edge of the top latch bracket to the top of the rod carriage. Add 1-3/4" for the rod length.

Insert top rod into top latch until it stops. Tighten setscrews FIRMLY

In normal latched position, rod connector block must rest on plastic bumper

1/4-20 x 1" BOLT

1/4-20 x 2" BOLT
TOP ROD INSTALLATION (CONT.)

Verify top latch bolt is in fully extended position.
Rotate bolt for rod height adjustment.
Head of bolt should drop freely into slot in carriage.

Lock Bolt head firmly in place in Carriage with plate, starwasher and screw.

FIG. 10

FIG. 10 - Detail

TOP LATCH TESTING AND ADJUSTMENT

1. Close the door. The holdback lever should engage the backside of the strike, allowing the latchbolt to extend. The device should latch securely and latchbolt should fully project into the strike cavity.

2. Press the pushpad. The latchbolt should retract fully and smoothly from the strike as the door opens.

3. Release the pushpad. The latchbolt should remain retracted until the door is closed.

4. Once the latchbolt operation has been evaluated, the strike should be checked and adjusted to allow the door to be held snug to the frame but allow free movement of the latchbolt during normal operation. When the appropriate position has been set, a third hole should be marked, drilled and tapped for a #10 machine or use a #10 self drilling screw. Lock the strike in position with this third screw. (See Fig. 5C)

NOTE: For centerline heights significantly higher or lower than the recommended 40", it may be necessary to use shorter or longer adjustment hexbolts in the rods to effect appropriate adjustment. For some door heights it maybe necessary to cut the rod. Be sure to cut the un-threaded end. If this is done, we recommend rod covers be used to prevent exposed bolt threads.

TROUBLESHOOTING

1. Latchbolt does not completely relatch when closing the door
   Loosen the strike screws and adjust the strike to allow the latchbolt to completely extend into the strike. Tighten the screws and add the third center screw to lock the strike in place.

2. Latchbolt fails to retract when pushpad is pushed
   Check centercase assembly and verify that the link is attached to the TOP post of the centerlift assembly (see Fig. 8A), or shorten top rod by rotating bolt. Relock bolt into carriage.

3. Latchbolt is slow or does not completely extend when door closes.
   Check rod adjustment (Fig 10).
   Check centercase, verify that the 1/4-20 x 1/4" screws have been installed (See Fig. 8A).
NOTE: IF TRO DEVICE, SKIP THIS PAGE AND CONTINUE TO PAGE 15

To establish bottom rod length, measure the distance from the slot in the carriage to the floor or threshold (XX") and add 5/8".

**FIG. 10B - Detail**

Insert rod into bottom bolt.

Align holes in rod and bolt that will result in overall length closest to dimension needed.

Adjust threaded hexbolt at opposite end of rod for fine adjustment of length.

Mark location on rod where it meets the bolt and/or tape bolt in position.

**FIG. 11**
Place bottom bolt and rod assembly into bottom bracket. Slide the pin through the slot of the bracket through the bolt and rod assembly. Insert pin clip. Use 1/4 x 20 bolt at top of rod to obtain final adjustment. When properly adjusted, pin will be located at or near the index mark on the bracket.

INDEX MARK FOR 3/4" FROM FLOOR TO BOTTOM OF DOOR (UNDERCUT) & THRESHOLD

INDEX MARK FOR 1/8" UNDERCUT

BOLT

FIG. 12

Lock bolt head firmly in place in carriage with plate, star washer and screw. Rotate bolt for minor rod height adjustment.

FIG. 13

With Door closed use tip of Bolt to mark location for Strike

FIG. 14A

Drill 1" hole for strike (minimum depth - 3/4")

FIG. 14B

Attach strike (P/N 103546) to floor or threshold.

Drill holes for strike mounting screws and secure strike with screws. Drill 3/16" hole for plastic anchor. Drill 5/16" hole for metal anchor.

FIG. 14C
If additional length is required, remove clip and link pin, move bolt down and reinsert pin in next lower hole. Insert clip on pin.

Adjust Bolt for approximately 1/16" clearance between end of bolt and surface of strike when retracted. Open and close door to be sure bolt does not hit high areas of floor. Re-adjust if necessary. Confirm that the bolt drops freely and does not bind when latch is released.

BOTTOM LATCH Testing and Adjustment

Testing
1. Close the door; bolt should drop into the strike as the door moves into the fully closed position.
2. Press the pushpad and open the door. The bottom latch bolt should retract out of the strike and clear the strike by 1/16” to 1/8”. Vertical travel of the bolt should be 3/4”.
3. Release the pushpad; bolt should remain retracted until the door is closed.

Adjustment
1. If bottom bolt drags the floor or hits edge of strike:
   Loosen bolt retainer in the carriage assembly and pull bolt from carriage. Screw bolt onto bottom rod one or two turns and return it to the carriage. Test door to assure clearance and secure bolt in carriage by tightening bolt retainer plate.

FIRE RATED TOP ROD ONLY (TRO) DOORS

A door locking popper (Detex p/n 101563) is required when a fire door utilizes a top latching mechanism only (TRO). The popper is designed to project a spring loaded bolt into the adjacent frame or door in the event of fire. Detex recommends installing the popper in the edge of the door 12” above the threshold or finished floor. Holes for the popper and plug must be aligned with each other.

NOTE: Door/Frame reinforcement is required where popper and cap plug are to be installed.
STANDARD SURFACE VERTICAL INSTALLATION

1. If metal bottom bolt guard is to be used, do not attach the plastic bottom latch cover (refer to bottom bolt guard installation instructions.)
2. If rod covers are to be used, do not install rod guides (refer to rod cover installation instructions).

Attach Top latch cover

8-32 x 1/4" PFH

Space 1 rod guide equidistant between centercase and latch assemblies (7 foot and 8 foot doors). Use 2 rod guides spaced evenly on the top rod of 10 foot doors.

Remove tape backing, Install Pushpad Wrap

Attach Centercase cover

6-32 x 1/4" PFH

Attach Bottom bolt cover

8-32 x 1/4" PFH

10-24 x 3/8"

OR

#10 x 1" Self-drilling

OR

#10 x 1" Sheemetal
**Optional Accessories**

**Glass Bead Kit**  
Catalog No: GB5 or GB6  
P/N: 103276-65  
#14 x 1-1/2" SELF DRILLING  
P/N: 103276-43  
#10 x 1-1/2" SELF DRILLING  
P/N: PP-5378-104  
8-32 x 1/4" PPH

**Rod Cover/Bottom Bolt Guard Kit**  
P/N:  
103558-1 V50x84xRCxBG  
103558-2 V50x96xRCxBG  
103558-3 V50x120xRCxBG  
103558-4 V51x84xRC  
103558-5 V51x96xRC  
103558-6 V51x120xRC  
103558-7 V50x84xRC  
103558-8 V50x96xRC  
103558-9 V50x120xRC

**Bottom Bolt Guard Kit**  
P/N: 103562

**Sex Nut**  (quantity 2 per kit)  
The #1/4-20 kit is available in (4) finishes:  
Catalog No: SN1 Brushed Brass BHMA 606 Finish  
Catalog No: SN1 Oil Rubbed Bronze BHMA 613 Finish  
Catalog No: SN1 Brushed Chrome BHMA 626 Finish  
Catalog No: SN1 Stainless Steel BHMA 630 Finish  
P/n: 101616-630

**Tamper Kit**  
(Security Kit)  
Catalog No: SSK3  
P/n: 101233  
Security Screws  
Security Pin TORX® Bits provided

**Key Stop Kit**  
Catalog No: KS  
P/n: 101867  
Requires a .05 hex wrench (not included)

**Wood Door Screw Kit**  
Part No: 103991

**Dustproof Strike Kit**  
Part No: 101562-X

**Cylinder nut socket kit**  
P/n: 103779  
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