



Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045  
830-629-2900 / 800-729-3839 / Fax 800-653-3839 / Text photos only: 830-481-6433 / INTERNET: [www.detex.com](http://www.detex.com)

## INSTALLATION INSTRUCTIONS FOR DETEX ADVANTEX® RIM 10/40 SERIES, F10/40 SERIES, "H" MODELS (HURRICANE) & "W" MODELS (WEATHERIZED)

Drawing: 101379: (Stainless Steel)  
104600: (Aluminum)

U.S. PATENT NUMBERS:

6009732

6205825B1

6532777B2

INTERNATIONAL PATENT NUMBER:

PCT6009732

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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.

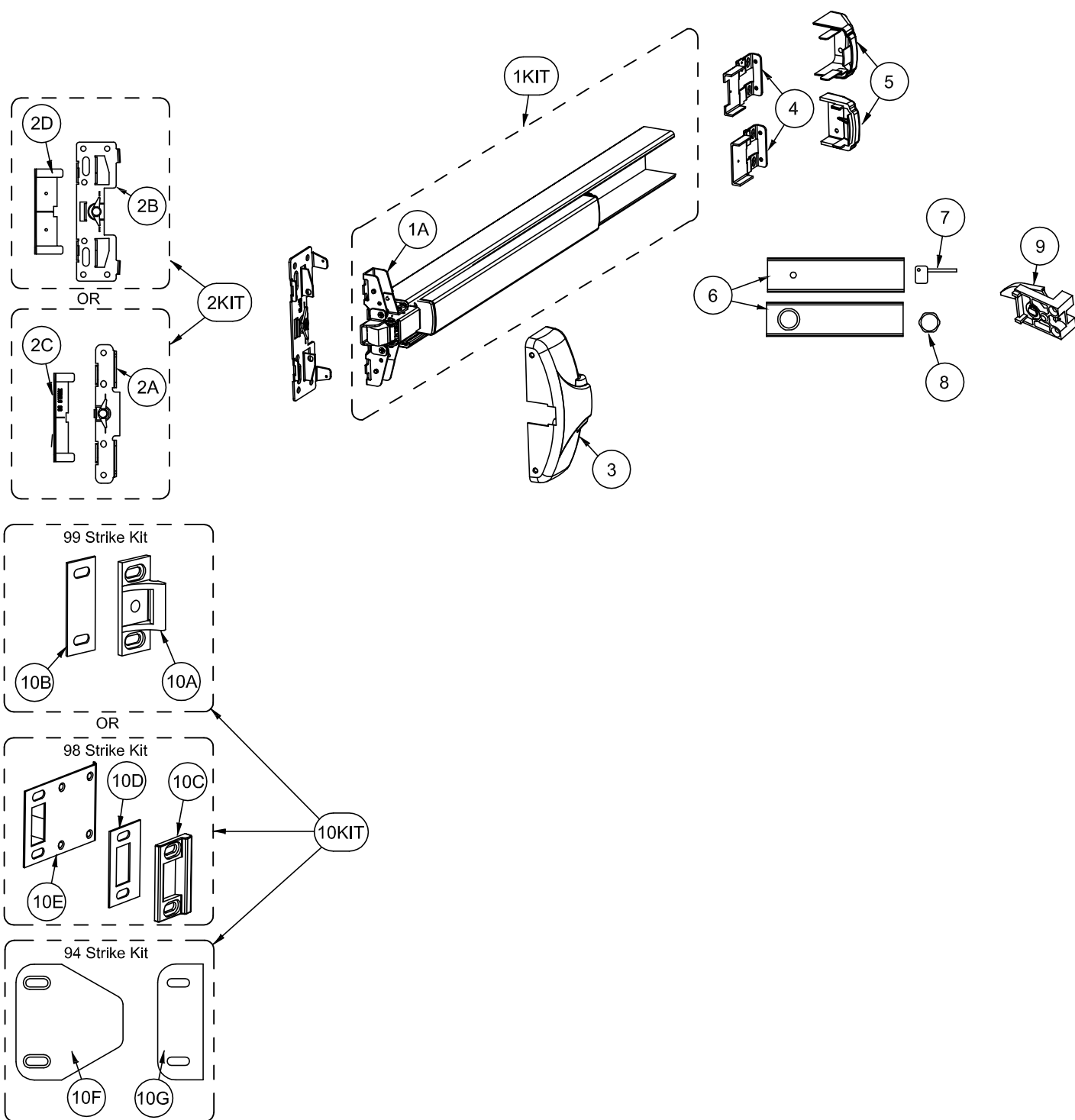
For **WARRANTY** information,  
scan code below or  
go to [www.detex.com/warranty](http://www.detex.com/warranty)



Owner's Copy

For device installation videos,  
scan code below or  
go to [www.detex.com/videos](http://www.detex.com/videos)

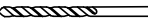
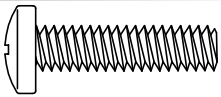
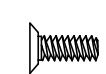
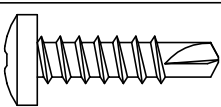
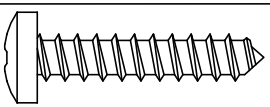
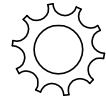


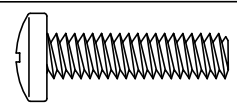
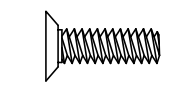
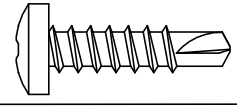
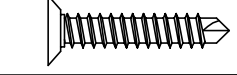
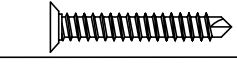


| PARTS BREAKDOWN |              |                                                                          |
|-----------------|--------------|--------------------------------------------------------------------------|
| Item            | Order Part # | Description                                                              |
| 1KIT            | 105500-63    | Centercase/Pushpad SubAssembly, 40 series, 36", 630 (includes 1A)        |
|                 | 105500-62    | Centercase/Pushpad SubAssembly, 10 series, 36", 630 (includes 1A)        |
| 1A              | 100698-1     | Centercase Assembly, Narrow Stile, 40 series                             |
|                 | 100698-2     | Centercase Assembly, Wide Stile, 10 series                               |
| 2KIT            | 103806-1     | Mounting Plate/Strike Locator Kit, Narrow Stile (includes 2A & 2C)       |
|                 | 103806-2     | Mounting Plate/Strike Locator Kit, Wide Stile (includes 2B & 2D)         |
| 2A              | 100696-1     | Mounting Plate, BP2, Narrow Stile                                        |
| 2B              | 100697-1     | Mounting Plate, BP1, Wide Stile                                          |
| 2C              | 101899       | Strike Locator 2" Glass Door (98)                                        |
| 2D              | 100212       | Strike Locator, Standard (99)                                            |
| 3               | 100311-9     | Centercase Cover, Stainless Steel, Narrow, 40 series, 630                |
|                 | 100196-9     | Centercase Cover, Stainless Steel, Wide, 10 series, 630                  |
|                 | 104602-1     | Centercase Cover, Aluminum, Narrow, 40 series, 628                       |
|                 | 104640-1     | Centercase Cover, Aluminum, Wide, 10 series, 628                         |
| 4               | 100147       | Endcap bracket for EC1 (ramped) endcap w/o battery holder                |
|                 | 101093       | Endcap bracket for EC1 (ramped) endcap w/ battery holder                 |
|                 | 104303       | Endcap bracket for EC2 (flush) endcap w/o battery holder                 |
|                 | 104636       | Endcap bracket for EC2 (flush) endcap w/ battery holder                  |
| 5               | 101642-9     | Endcap, EC1 (ramped) Stainless Steel, 630                                |
|                 | 104304-9     | Endcap, EC2 (flush) Stainless Steel, 630                                 |
|                 | 104612-1     | Endcap, EC2 (flush) Aluminum, 628                                        |
| 6               | 100860-54    | Fillerplate, Subassembly, S&R, Hex Dogging, HD, 10 series, 36", 630      |
|                 | 100860-49    | Fillerplate, Subassembly, S&R, Cylinder Dogging, CD, 10 series, 36", 630 |
|                 | 100860-100   | Fillerplate, Subassembly, S&R, Hex Dogging, HD, 10 series, 36", 628      |
|                 | 100860-137   | Fillerplate, Subassembly, S&R, Hex Dogging, HD, 40 series, 36", 628      |
| 7               | 100450       | Hex Key (for Hex Dogging)                                                |
| 8               | 100783       | Cylinder Nut (for Cylinder Dogging)                                      |
| 9               | 102216-2     | Hex Dogging Assembly                                                     |
|                 | 102216       | Cylinder Dogging Assembly                                                |
| 10KIT           | 100855-2     | 99 Strike Kit (includes 10A & 10B)                                       |
|                 | 100855-1     | 98 Strike Kit (includes 10C, 10D & 10E)                                  |
|                 | 102212-1     | 94 Double Door Strike Kit (includes 10F & 10G)                           |
| 10A             | 100234-1     | Strike, Non-roller                                                       |
| 10B             | 100088       | Strike Shim                                                              |
| 10C             | 100480       | Strike, Mortise                                                          |
| 10D             | 100482       | Shim, Mortise Strike                                                     |
| 10E             | 100481       | Shield, Strike                                                           |
| 10F             | 102211       | Double Door Strike Plate                                                 |
| 10G             | 102214       | Shim, 94 strike                                                          |

Your particular part or configuration  
may not be shown:  
Contact Detex technical support  
at 800-729-3839 (option 2)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <p align="center"><b>Hardware Table for BASIC device mounting.</b></p> <p align="center"><b>Additional hardware is provided per the device configuration in kit form and is addressed on the appropriate pages as required</b></p> <p>EC1 (ramped) Device hardware kit: p/n 101438-1 for Hex Dogging (HD)</p> <p>EC1 (ramped) Device hardware kit: p/n 101438-2 for Cylinder Dogging (CD)</p> <p>EC2 (flush) Device hardware kit: p/n 105723-1 for Hex Dogging (HD)</p> <p>EC2 (flush) Device hardware kit: p/n 105723-2 for Cylinder Dogging (CD)</p> |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

|                                                                                     | Fastener Part No                                                      | Drill Bit  |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|    | P/N: 100980<br>1/4-20 x 1" PPH                                        | #7 or 13/64"                                                                                  |
|    | P/N: 101621-5<br>1/4-20 x 1/4" PPHMS                                  | #7 or 13/64"                                                                                  |
|    | P/N: 101632-2<br>10-32 x 5/16" PFHUMS<br>(multiple finishes included) | -----                                                                                         |
|    | P/N: 100162-106<br>6-32 x 3/8" PFHUMS<br>(multiple finishes included) | -----                                                                                         |
|    | P/N: 103276-63<br>#14 x 1" PPH self-drilling                          | 1/8 pilot hole recommended<br>for self-drilling screws                                        |
|   | P/N: PP-5183-110<br>#14 x 1-1/4" PPH wood screw                       | 1/8 pilot hole recommended<br>for wood screws                                                 |
|  | P/N: PP-5067-25<br>#14 Lockwasher                                     |                                                                                               |

| 99 Strike Kit: p/n 100855-2 or 98 Strike Kit: p/n 100855-1                          |                                               |                                                        |                |
|-------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------|----------------|
|  | P/N: 100980<br>1/4-20 x 1" PPH                | #7 or 13/64"                                           | in both kits   |
|  | P/N: 100112<br>10-24 x 5/8" PFHUMS            |                                                        | in 99 kit only |
|  | P/N: 100162-1<br>6-32 x 5/8" PFHUMS           |                                                        | in 98 kit only |
|  | P/N: 103276-63<br>#14 x 1" PPH                | 1/8 pilot hole recommended<br>for self-drilling screws | in both kits   |
|  | P/N: 103277-216<br>#10 x 1" self-cutting PFHU |                                                        | in 99 kit only |
|  | P/N: 101451-1<br>#6 x 1" self-cutting PFHU    |                                                        | in 98 kit only |

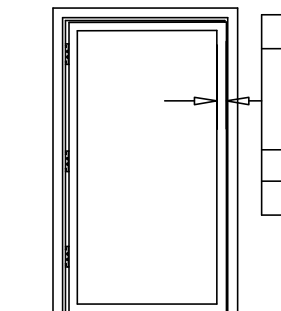
### Tools Required:

**Safety Glasses**  
**Power Drill**  
**Tape Measure**  
**Level**

**Pencil**  
**Hammer**  
**Pliers**  
**1/4-20 Tap**

**Phillips & small flat Screw Drivers**  
**Combination Square**  
**Center Punch**  
**Saw for cutting device if necessary (chopsaw preferred)**  
 104881 Page 4

# !!!CHECK BEFORE STARTING!!!



|                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------|
| Wide Stile (Surface Strike) 99                                                                                     |
| 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 98                                                                                                    |
| Minimum door stile 2" (51mm)                                                                                       |

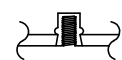
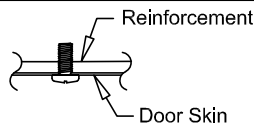
Doors and frames with walls having a structural thickness (metal skin plus reinforcement, or solid wood) to engage less than (3) full screw threads, are considered unreinforced for hardware.

Unreinforced Doors: Use Sex Nuts and Bolts

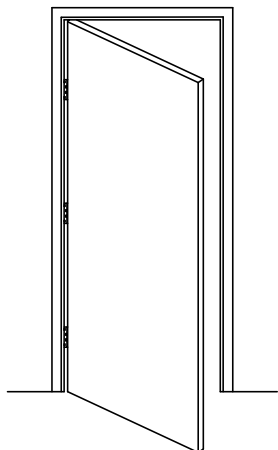
Unreinforced Frames: Use Blind Rivet Nuts (see sketch)

Fasteners for unreinforced openings are not supplied by Detex.

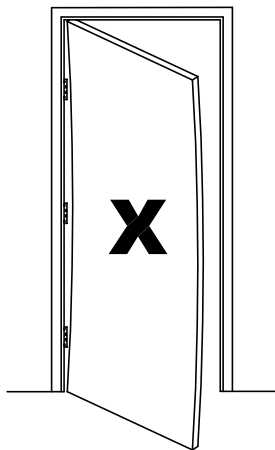
Reinforced door or frame engages at least (3) screw threads.



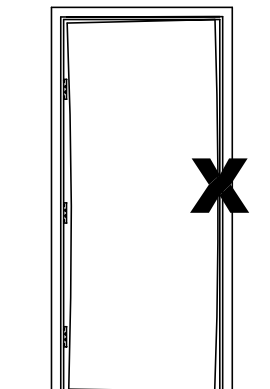
Blind Rivet Nut



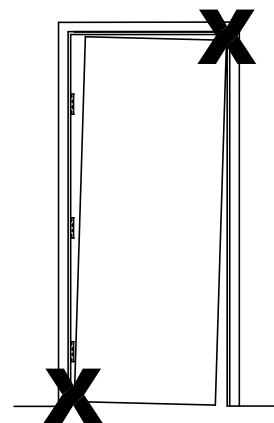
Door Must Swing Freely



Door Must Not be Warped



Door Must Not Bind



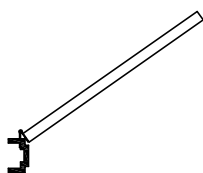
Door Must Not Sag

NOTE: 750mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 36" DEVICE

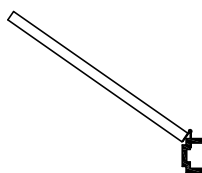
1000mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 48" DEVICE

THE SAFETY FEATURES OF THIS PRODUCT ARE ESSENTIAL TO IT'S COMPLIANCE WITH EN 1125.

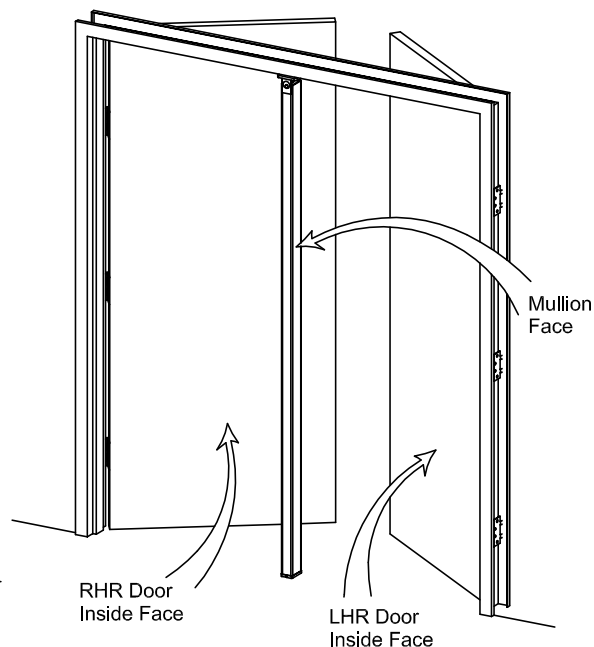
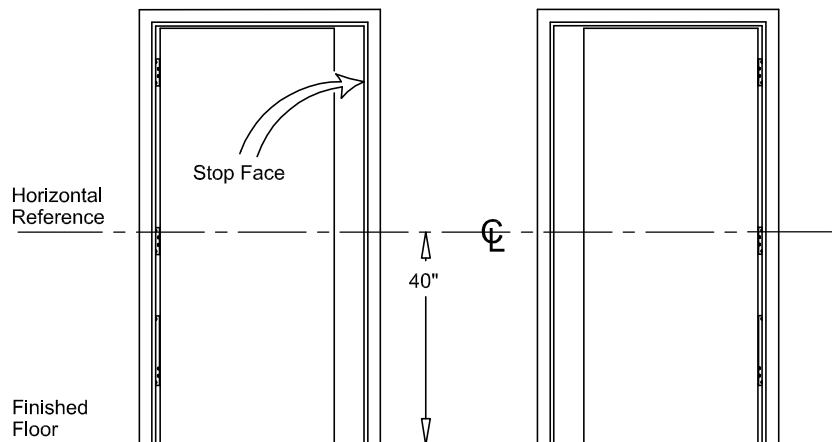
NO MODIFICATION OF ANY KIND, OTHER THAN THOSE DESCRIBED IN THESE INSTRUCTIONS ARE PERMITTED.



RHR Door



LHR Door

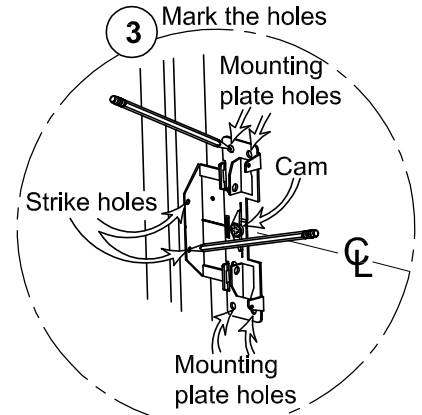
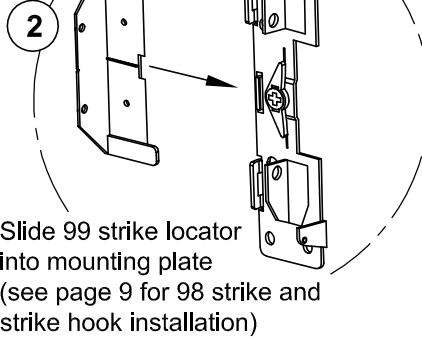
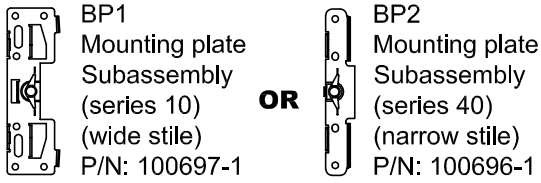


## MOUNTING PLATE & STRIKE INSTALLATION:

The installation of a 10 or 40 series device is the same except for the mounting plate.

(see illustration below)

This instruction depicts a 10 series installation.

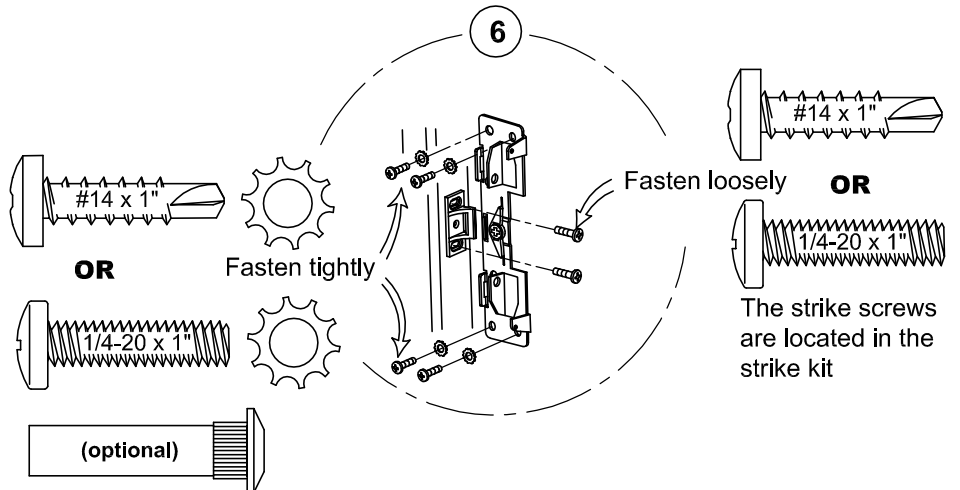
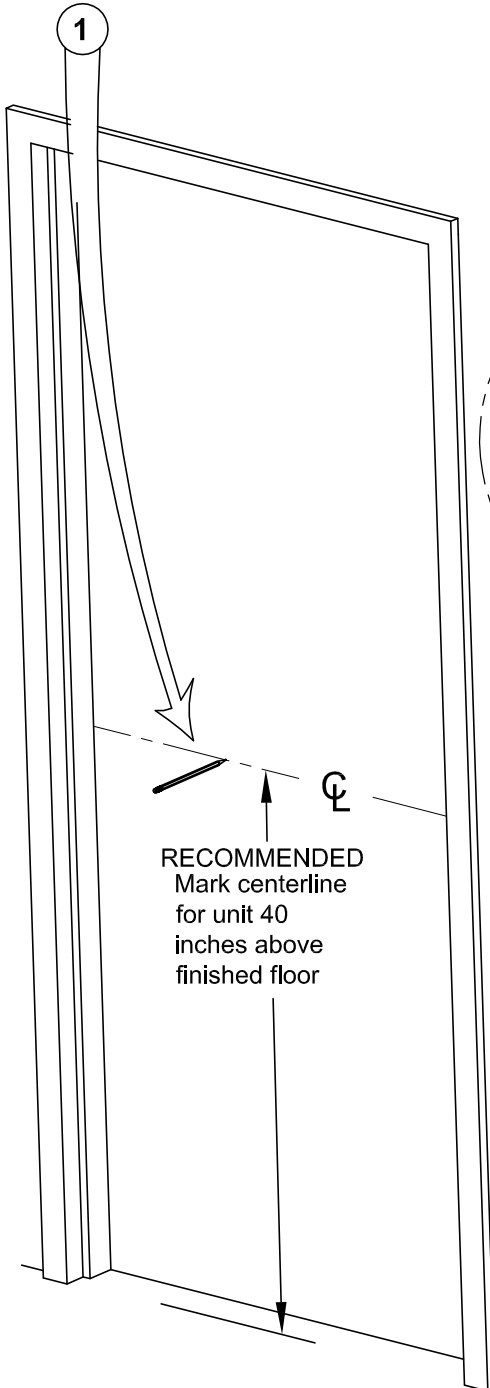
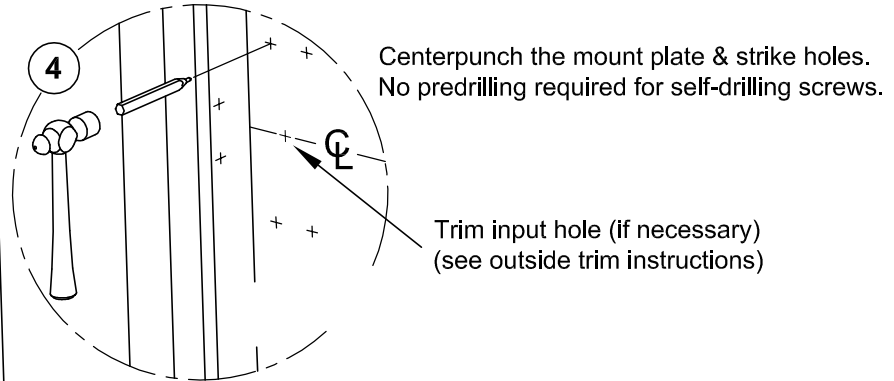


Mounting plate holes:

(4) for wide

(2) for narrow

If outside trim is used mark the hole in center of cam



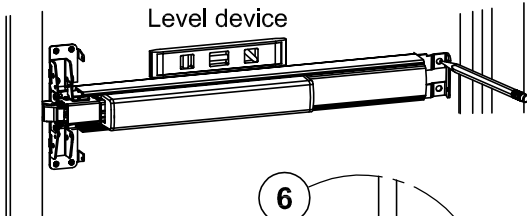
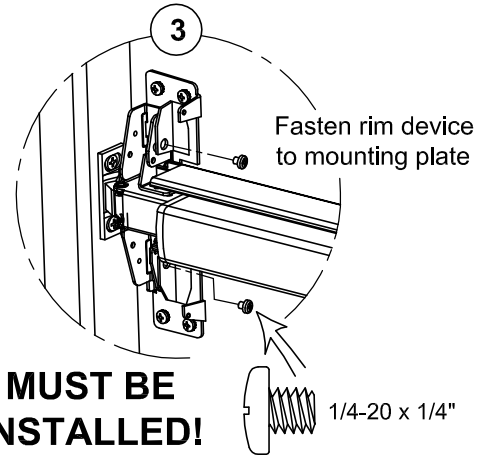
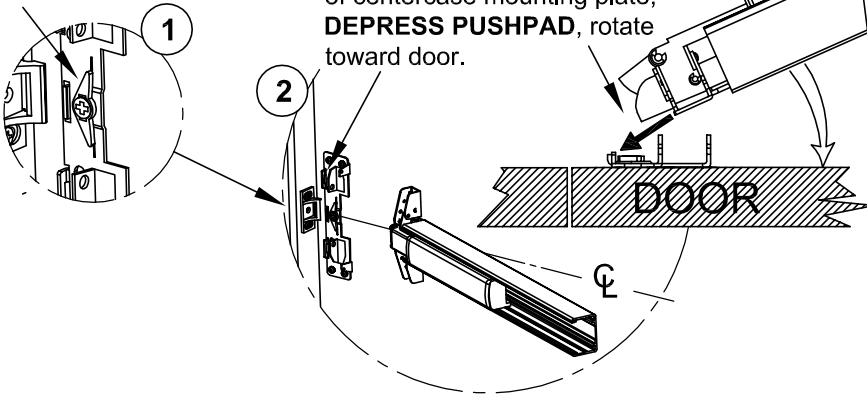
Optional Sex Nuts can be used for thru-bolting the device to the door.  
Catalog No: SN1 (quantity 2 per order)

**NOTE: HURRICANE rated devices MUST BE thru-bolting using either sexnuts or outside mating trim**

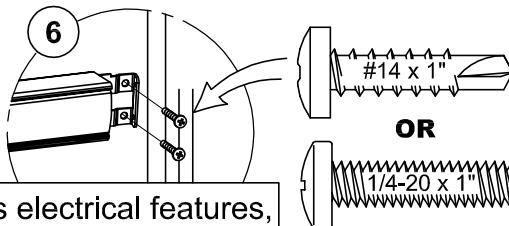
## DEVICE INSTALLATION:

**NOTE:** If device is too long, refer to next page for cut-down procedure.

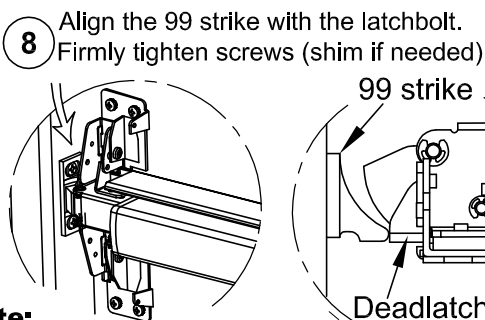
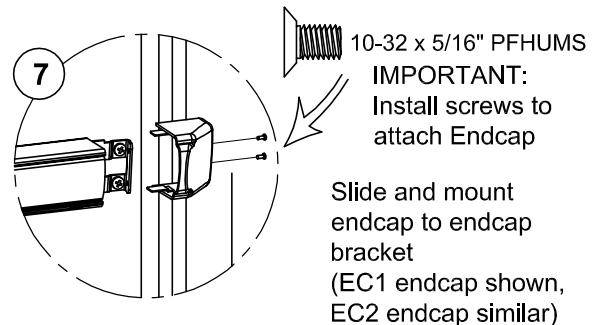
Position cam as shown



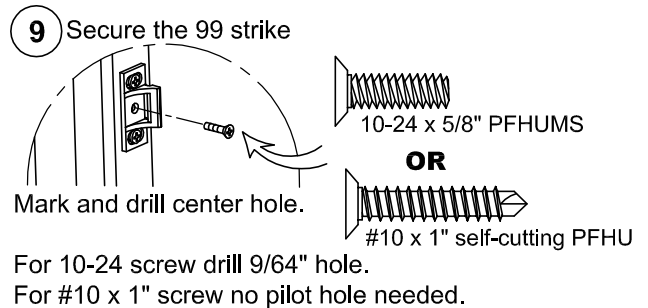
- 4 Slide endcap bracket into extrusion, level pushpad assembly.  
**Note:** Endcap bracket must bottom-out on extrusion before marking holes.  
 5 Mark & centerpunch the 2 holes.  
 No predrilling required for self-drilling screws.



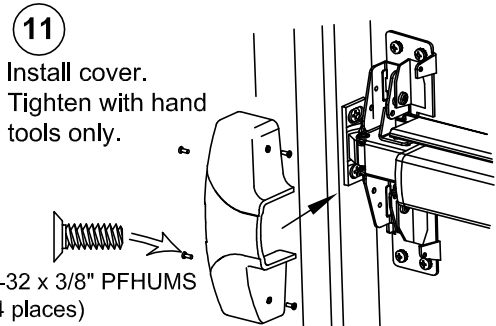
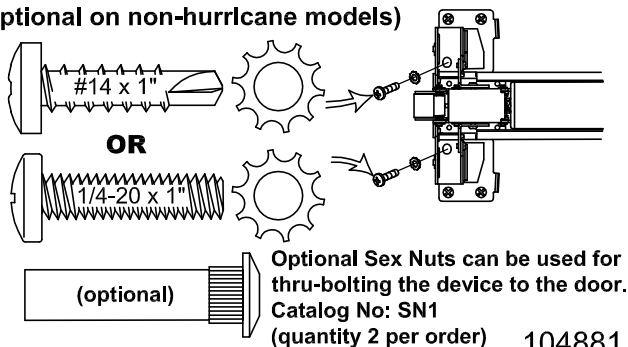
If device has electrical features, refer to those instructions now.



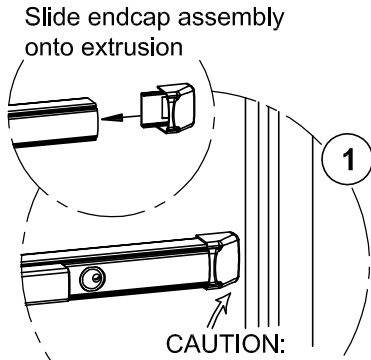
**Note:**  
 Check device function and strike engagement BEFORE going to step 9



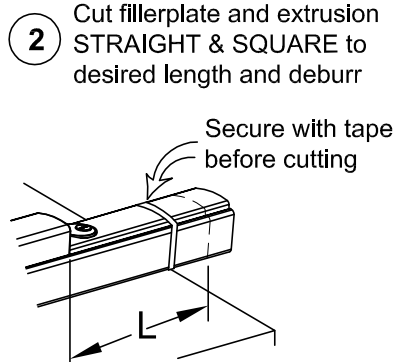
## 10 REQUIRED SUPPORT SCREWS FOR HURRICANE MODELS (Optional on non-hurricane models)



## CHECKING FOR DEVICE CLEARANCE (Cut-Down procedure if required)



**CAUTION:**  
Check for device and door frame clearance.  
If no cut-off needed, continue to mortise cylinder installation.



| Non-Electrified<br>Minimum Fillerplate<br>Length |            |
|--------------------------------------------------|------------|
| Type                                             | Length (L) |
| LD                                               | 2-1/2"     |
| HD/CD                                            | 3"         |

For further Cut-Down information, see:  
[www.detex.com/cutdown](http://www.detex.com/cutdown)

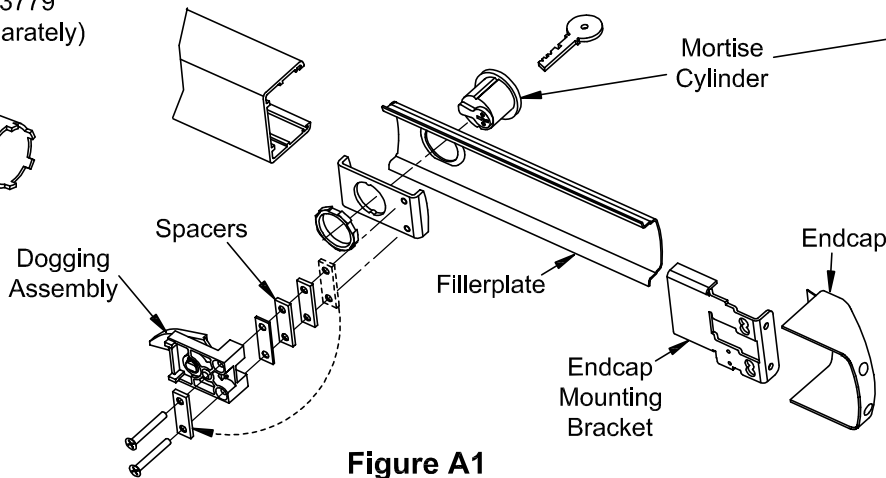
**For aluminum Advantex finish cutdown applications:**

After cutting, the baseplate extrusion can be reversed to place the cut end inside the head cover. To do so, loosen the setscrew inside the aluminum baseplate extrusion and slide extrusion out, reverse, & slide back in. Tighten setscrew.

## MORTISE CYLINDER INSTALLATION

### CD (Cylinder Dogging) Cylinder Installation

Cylinder nut socket kit  
p/n 103779  
(sold separately)



**Figure A1**

**Follow steps "a" through "g" for CD installations**

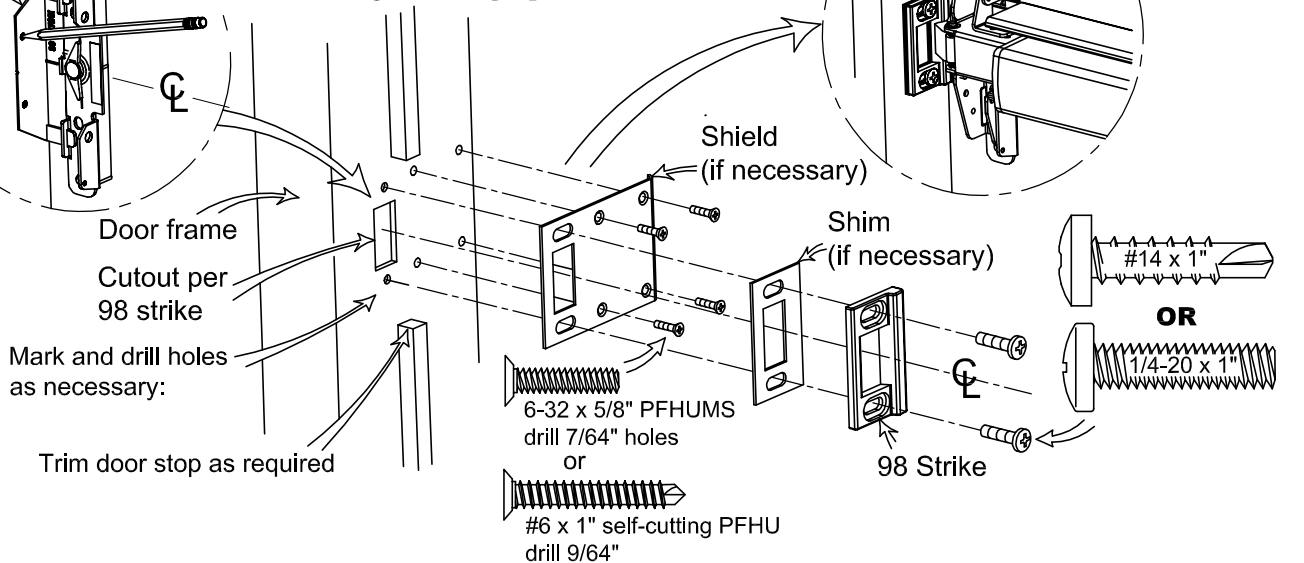
- Remove endcap and endcap mounting bracket.
- Remove fillerplate.
- Remove and discard shipping insert and nut. Loosen (2) screws from dogging assembly.
- Install mortise cylinder (sold separately) with large hex nut provided.
- Trial fit dogging assembly. If cylinder is too short, remove spacers as necessary and reattach them under the (2) screw heads (See Figure A1). Fasten the (2) screws to the rest of the assembly.

**NOTE: The key should easily turn in both directions.**

- Rotate key counterclockwise
- Assembly complete. Continue with Panic Hardware instruction.

98 Strike locator

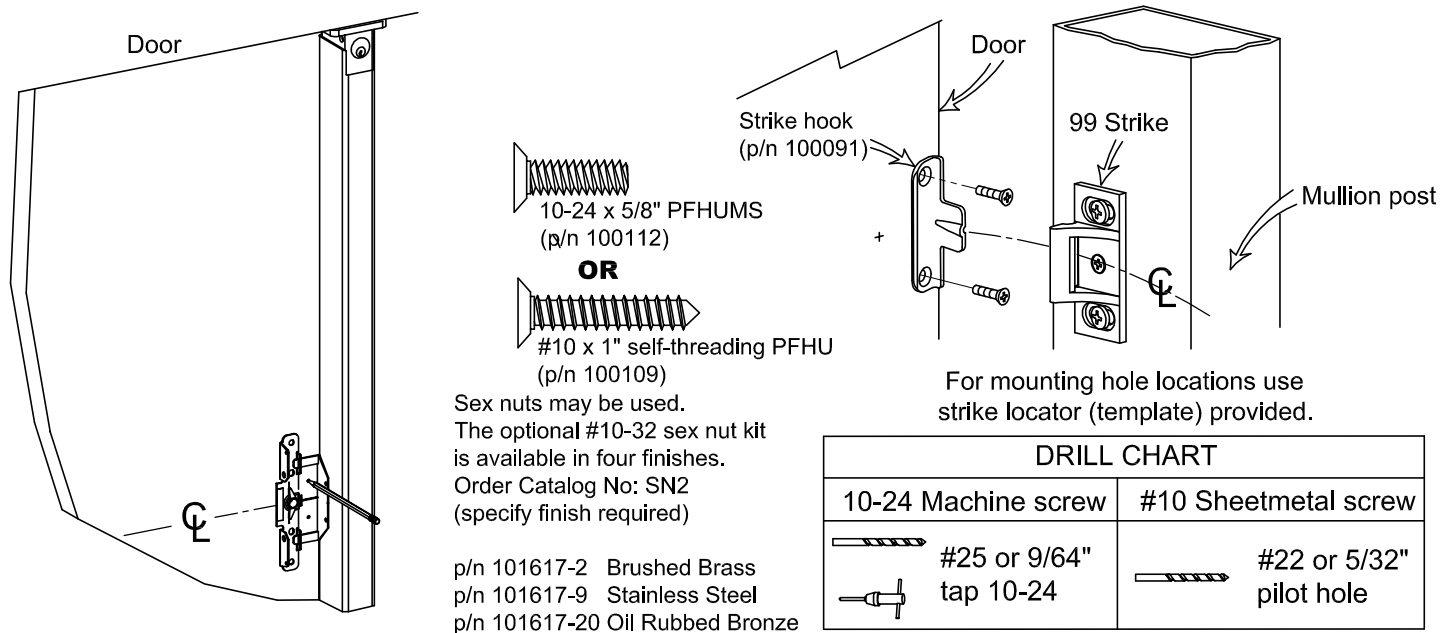
## 98 STRIKE INSTALLATION (kit p/n: 100855-1) Typically glass door



## STRIKE HOOK INSTALLATION

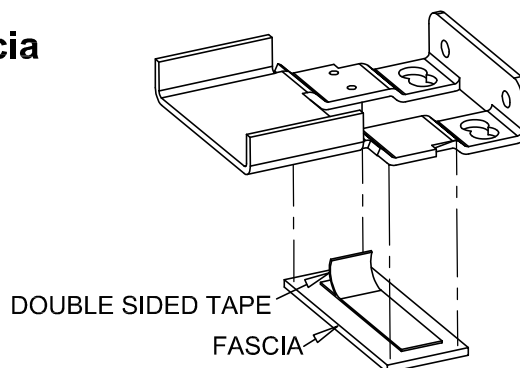
Strike Hook Kit p/n 101795

(Caution: This installation is required on fire rated door openings with removable mullion.)

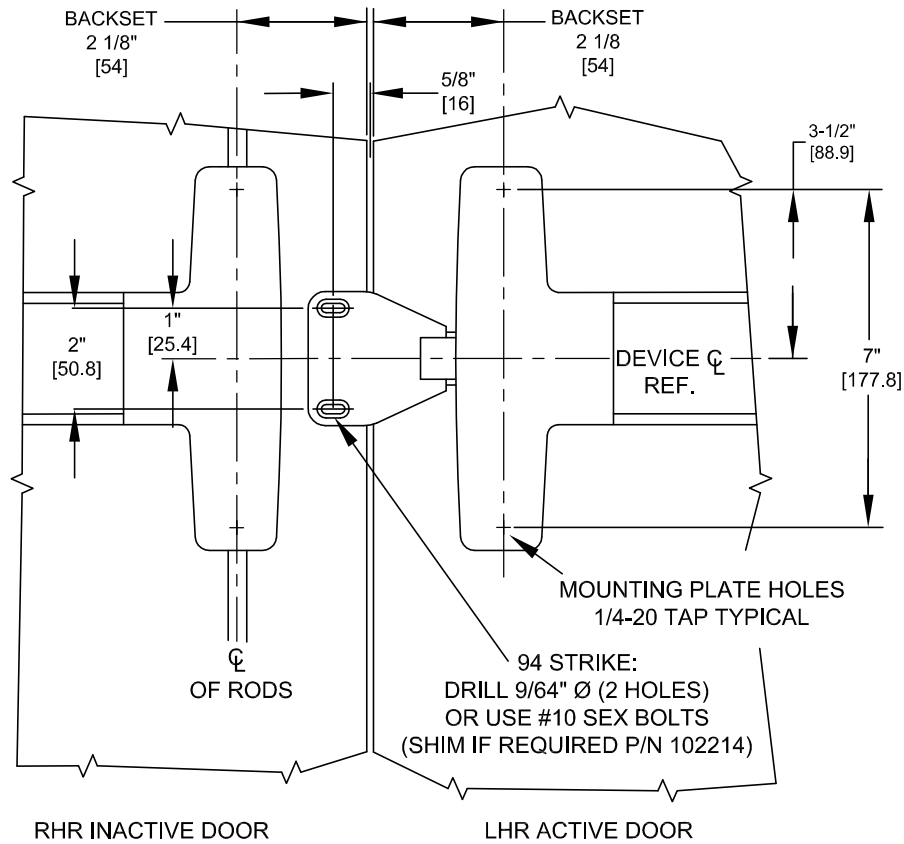


## Narrow Stile Endcap Mounting Plate Fascia (For use on Glass Doors) (not used with EC2 endcap)

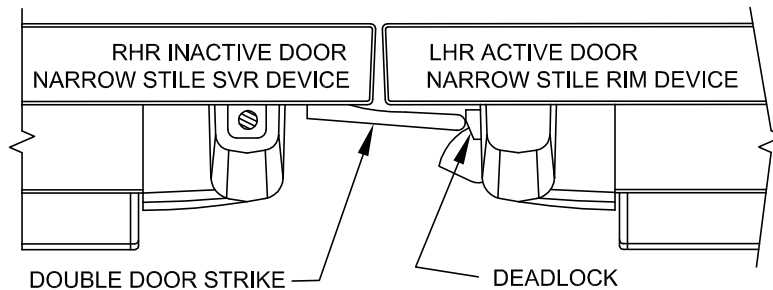
- Remove the endcap mounting bracket.
- Attach the fascia with the adhesive tape.
- Re-attach the endcap mounting bracket.



## 94 DOUBLE DOOR STRIKE INSTALLATION (if required)



NOTE: FOR DEVICE FUNCTION AND OTHER DIMENSIONS, SEE  
APPROPRIATE DEVICE AND/OR TRIM INSTRUCTIONS



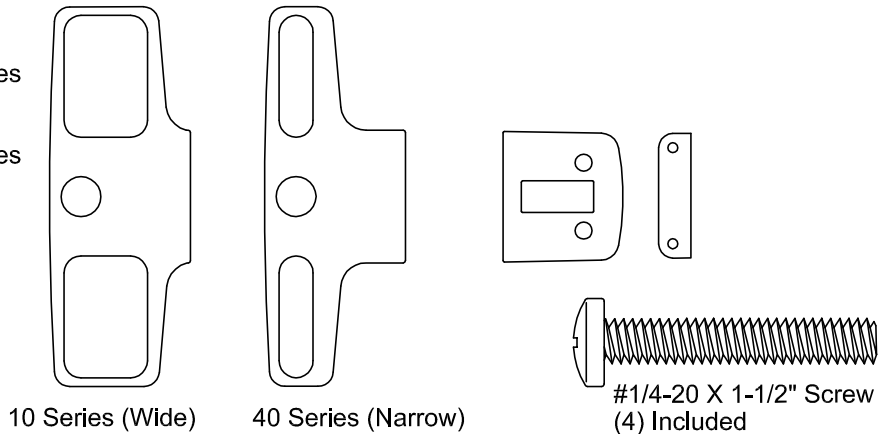
THE DEVICE USED ON THE ACTIVE DOOR SHOULD BE INSTALLED SO THAT THE STRIKE WILL DEPRESS THE DEADLOCK SUFFICIENTLY TO ALLOW FOR ANY AND ALL ALARM / ELECTRONIC FUNCTIONS.  
ADD SHIM (P/N 102214) AS REQUIRED. TWO PROVIDED IN KIT.  
THE INACTIVE DOOR SHOULD CLOSE FIRST.

## Optional Accessories

### Glass Bead Kit

Catalog No: GB1 - Glass Bead Kit, 10 series  
p/n: 101643

Catalog No: GB2 - Glass Bead Kit, 40 series  
p/n: 101644

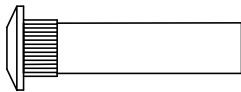


10 Series (Wide)

40 Series (Narrow)

#1/4-20 X 1-1/2" Screw  
(4) Included

### Sex Nut



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

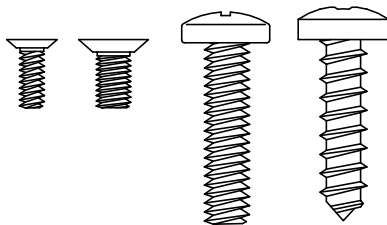
p/n: 101616-X

### Tamper Kit

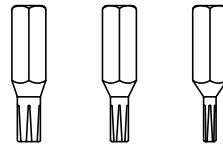
(Security Kit)

Catalog No: SSK3

p/n: 101233



Security Screws



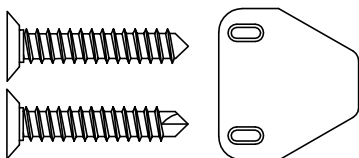
Security Pin TORX® Bits provided

### Double Door Strike Kit

Catalog No: 94 (includes shim & screws)

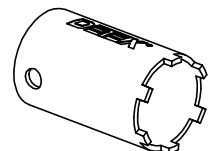
screws

p/n: 102212-1



### Cylinder nut socket kit

p/n: 103779



The following Models in the series were evaluated by UL: Controlled Exit Panic Devices; Model 10 and 40. These devices may be suffixed with 01, 02, 03, 08, 09, or 14 followed by C, CN, D, DN, DT, DNT, DU, DNU, P, PN, W or WS, followed by BP1, BP2, BP3, BP5, BP6, BP7 or BP8 followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, 693, 695 or 711 followed by the RHR or LHR, followed by EA, which may be followed by LD or CD, followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, 693, 695 or 711 followed by 98 or 99, followed by 36 or 48.