**Instructions for Installing AD-8600, MD-8600 & 12-MD-8600 Concealed Vertical Rod Exit Devices**

For additional information, contact Sargent at 1-800-727-5477

Verify the correct exit device is being installed on the correct door. Function, finish and size should all be verified. 

**Notes:**
- Before removing door from hinges determine the gap between top of door and frame. Determine smallest gap between bottom of door or threshold and high point of door as door swings. This information is needed for step 7F. Remove door from the frame.
- 1) Drill, tap & sink the door under template, except for the (2) #10-24 (AA) on the hinge side.

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**2)** Safe Top & Rod Assembly

- Screw top bolt & rod assembly (A) and bottom bolt & rod assembly (C) into inner chassis (B).
- Slide complete assembly into top of door.
- Attach inner chassis (B) to door with screw (GG) using hole (5A).
- Then secure with screw (FF) using hole (3A).

**7A** Adjusting the top bolt & rod assembly (A)

1) 1/8" gap or less between door top and frame. Rotate bolt to make even with top of the door.

2) 1/8" gap or greater. Bolt to extend above door equal to gap minus an 1/8".

**7B** Adjusting the bottom bolt & rod assembly (C)

1) 1/8" gap or less between door bottom & high point. Rotate bolt to make even with bottom of door.

2) 1/8" gap or greater. Bolt to extend below door equal to gap minus an 1/8".

**8** Slide rod silencer (G) over Top Bolt (F) onto rod, followed by top chassis (E). Secure top chassis (E) to door with (2) screws (HH) using holes (1A).

**9A** For AD-8600 bottom bolt: Install bottom plate (H) over bottom bolt (M) and secure with (2) screws (HH) using holes (6A).

**9B** For MD-8600 & 12-MD-8600: Install bottom plate (O) over bottom bolt (M) and secure with (2) screws (CC) using tapped holes (7A).

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**10** Install door into the frame using hinges. 

**11** Slide rail assembly (J) onto center case chassis (D).

**12** Align holes for screws (BB).

**13** Level rail.

**14** Locate & mark holes for mounting plate (I) on hinge side. Drill & tap (2) holes (AA).

**15** Attach mounting plate (I) and secure rail assembly (J) to door with (4) screws (AA) using holes (2A). Do not tighten yet.

**16** Tighten screws (AA) to secure center case chassis (D) to door.

**17** Before closing door check the following:
- a) Pull rail in to retract bolts.
- b) Bolts stay retracted (hold back).
- c) Bolts release when door closes.
- d) Bolt engagement with strike 1/4"-5/16".
- e) Adjust bolts per steps 7A & 7B.

**18** For AD-8600: Attach 640 strike using instruction sheet A8037 supplied with strike pack.

**19** For MD-8600 & 12-MD-8600: Attach 650 top strike to frame with two #10-24 x 1/2" flat head screws & 606 bottom strikes with anchors supplied and two 1/4-20 x 2" flat head screws. (See chart on left)

**20** Attach cover (K) to center case chassis (D) with (4) screws (CC).

**21** Attach end cap (H) to mounting plate (I) with (2) screws (CC). 

**22** Secure rail assembly (J) to chassis (D) with (2) screws (BB).
Instructions for Installing NB-AD-8600, NB-MD-8600 & 12-NB-MD-8600
Concealed Vertical Rod Exit Devices
without Bottom Bolt

For additional information, contact Sargent at 1-800-727-5477
Verify the correct exit device is being installed on the correct door. Function, finish and size should all be verified.

Note: Before removing door from hinges, determine the gap between top of door and frame.
This information is needed for step #7. Remove door from the frame.
1) Drill & c’sink the door per template, except for the (2) #10-24 (AA) on the hinge side.

2) Screw top bolt & rod assembly (A) into inner chassis (B).
3) Slide complete assembly into top of door.
4) Attach inner chassis (B) to door with screw (GG) using hole (5A).
5) Then secure with screw (FF) using hole (3A).
6) Position chassis (D) over fillister head screw and attach to door with (4) screws (AA) using holes (2A). Do not tighten yet. Use chassis (D) to retract top bolt & rod assy (A) to adjust bolt projection.

Note: Rod must be retracted while adjusting bolt projection. Use chassis (D) to retract top bolt & rod assy (A).

7) Adjusting the top bolt & rod assembly (A)
1) 1/8" gap or less between door top and frame. Rotate bolt to make even with top of the door.
2) 1/8" gap or greater. Bolt to extend above door equal to gap minus an 1/8".

8) Slide rod silencer (G) over top bolt (F) onto rod, followed by top chassis (E). Secure top chassis (E) to door with (2) screws (HH) using holes (1A).
9) Install door into the frame using hinges.

10) Slide rail assembly (J) onto center case chassis (D).
11) Align holes for screws (BB).
12) Level rail.
13) Locate & mark holes for mounting plate (I) on hinge side. Drill & tap (2) holes (4A).
14) Attach mounting plate (I) and secure rail assembly (J) to door with (2) screws (EE).
15) Tighten screws (AA) to secure center case chassis (D) to door.

16) Before closing door, check the following:
a) Push rail in to retract bolt.  
b) Bolt stays retracted (Hold Back).  
c) Bolt releases when door closes. Button inside top of door hits frame.  
d) Bolt engagement with strike 1/4"- 5/16".
17) Adjust bolts per step 7.
19) For NB-MD-8600 and 12-NB-MD-8600: Attach 650 top strike to frame with two #10-24 x 1/2" flat head screws. See chart on left.
19) Attach cover (K) to center case chassis (D) with (2) screws (CC).
20) Attach end cap (H) to mounting plate (I) with (4) screws (CC).
21) Secure rail assembly (J) to chassis (D) with (2) screws (BB).

Note: 12-NB-MD8600 Series Exit Devices require installation of thermal pin to meet requirements for fire rating.

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