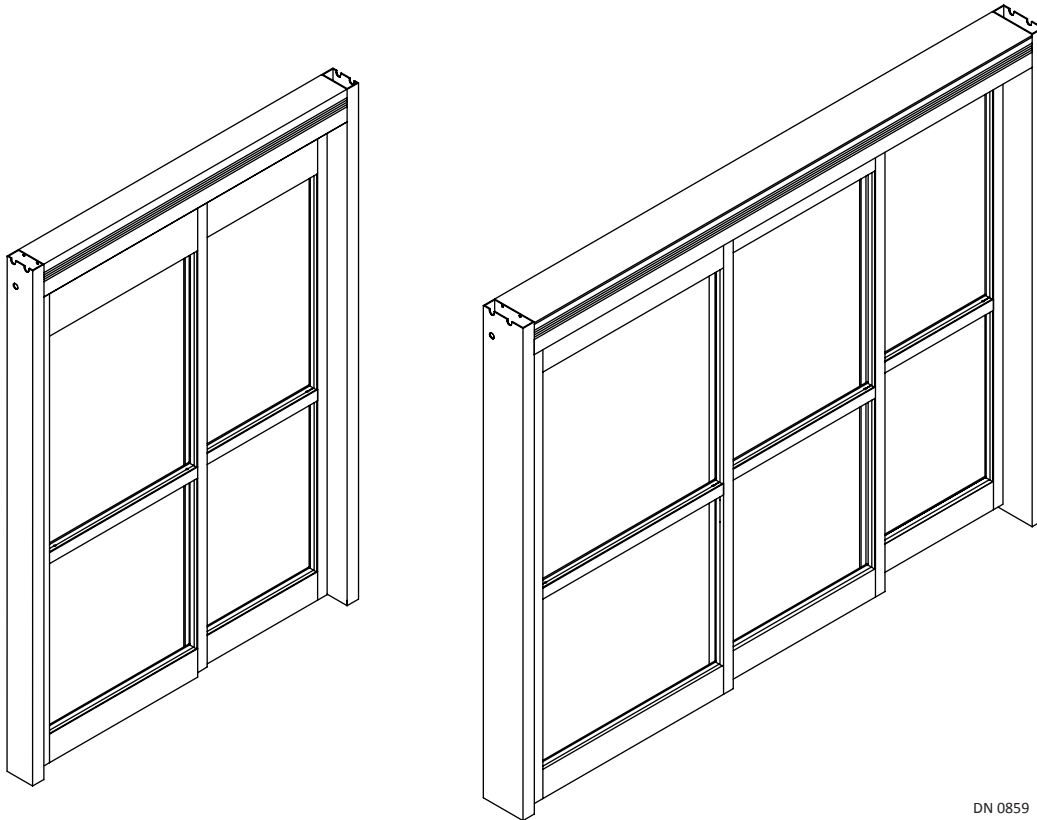




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Model GT 2125 ICU Manual Slide Door Installation Fixed Sidelite Trackless



DN 0859

WARNING

- Turn OFF all power to the Automatic Door if a Safety System is not working.
- Instruct the Owner to keep all power turned OFF until corrective action can be achieved by a NABCO trained technician. Failure to follow these practices may result in serious consequences.
- NEVER leave a Door operating without all Safety detection systems operational.

Part #15-11011
Rev. 4/02/14

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WARNING LABELS

Warning labels are universal and used to alert an individual of potential harm to one's self or to others. The following warning labels are listed in a hierarchy order that defines the most potential danger first, and the least potential danger last. Please refer to this page in the event that a warning label is displayed within this manual and further definition needs to be explained.

DANGER

Indicates potentially dangerous situations. Danger is used when there is a hazardous situation where there is a *high* probability of severe injury or death. It should not be considered for property damage unless personal injury risk is present.

WARNING

Indicates a hazardous situation which has *some* probability of severe injury. It should not be considered for property damage unless personal injury risk is present.

CAUTION

Indicates a hazardous situation which *may result in a minor injury*. Caution should not be used when there is a possibility of serious injury. Caution should not be considered for property damage accidents unless a personal injury risk is present.

Notice: Indicates a statement of company policy as the message relates to the personal safety or protection of property. Notice should not be used when there is a hazardous situation or personal risk.

Note: Indicates important information that provides further instruction.

GENERAL SAFETY RECOMMENDATIONS

WARNING

Read these safety practices before installing, operating or servicing the door. Failure to follow these practices may result in serious consequences.

WARNING

Do Not install, operate or or service this product unless Safety Practices, Warning Labels, Installation Instructions, and Operating Instructions, have been read and fully understood. Failure to so do may result in bodily injury or property damage.

WARNING

Do Not install, operate or service this product unless the Safety Practices, Warnings, and Installation Instructions contained in this manual have been read and understood. Failure to do so, may result in property damage or bodily injury.

Notice: Read, study and understand the operating instructions contained in, or referenced in this manual before operating. If you do not understand the instruction, ask the installing qualified technician to teach you how to use the door.

Notice: This manual and the owner's manual must be given to and retained by the purchasing facility or end user.

Notice: Advise the purchasing facility or end user to make regular safety checks and all other duties that may apply.

- ▶ If the door appears broken or does not seem to work correctly, it should be immediately removed from service until repairs can be carried out or a qualified service technician is contacted for corrective action.
- ▶ It is the responsibility of the purchasing facility or end user to keep warning and instructional labels and literature legible, intact and with the door. Replacement labels and literature may be obtained from local NABCO Entrances, Inc. distributors. If the name of the local distributor is unknown, contact NABCO Entrances, Inc. at 1-877-622-2694 for assistance.
- ▶ Do Not take shortcuts.
- ▶ Ensure that all safety devices provided by the manufacturer work as intended.
- ▶ Ensure that all safety decals are properly displayed on any/all slide doors.
- ▶ Replacement labels and literature may be obtained from local NABCO Entrances Inc.

CHAPTER 1: SCOPE

Section 1a: To the Installer

The purpose of this manual is to familiarize the installer and purchaser with the proper installation and operation of this system. It is essential that this equipment be properly installed and operational before the door is used by the public. It is the installer's responsibility to inspect the operation of the entrance system to be sure it operates in accordance with all installation requirements. Local standards or codes may apply.

Instruct the building owners and operator on the essentials of the operation of the door and this device. The owner should follow these instructions to determine whether the door is operating properly and should immediately call for service if there is any malfunction. All installation changes and adjustments must be made by qualified, NABCO trained technicians.

Note: As an Option, the GT 2125 Manual Slide door can be certified to have a Smoke and Air Infiltration NFPA-105 rating for sprinklered buildings (in the United States only).

Section 1b: Objective

The GT 2125 is designed to be installed within a rough opening of a building or to the surface of a building. The door function is opened and closed manually or has a self closing feature (optional). The GT 2125 Slide Door Unit is a Fixed Sidelite with Partial Break Open feature as a 2 Panel Unit or a 3 Panel Unit.

This manual offers step by step instructions.

CHAPTER 2: GETTING STARTED

Manufactured out of:

- ▶ Aluminum

Installed within:

- ▶ Opening of Building

Mechanical Configurations:

- ▶ Manual 2 Panel: (1) Slide Door that slides to the right or left with (1) Sidelite Panel.
- ▶ Self Closing 2 Panel: (1) Slide Door that slides to the right or left with (1) Sidelite Panel and automatically closes.
- ▶ Telescopic: (1) Lead Slide Door and (1) Trail Slide Door that slides to the right or left with (1) Sidelite Panel.

Extrusion Configurations:

- ▶ Slick Jamb Tubes

Emergency Egress:

- ▶ Only the Slide door can break out for emergency egress (Lead door for Telescopic Units).

Section 2a: Requirements

Power Requirements for (Hold Open):

- ▶ 24VDC, 250mA minimum, UL Listed class 2 power supply.
- ▶ May use: Power Supply 24 VDC, 0.5A; NABCO P/N 14-14299.

Maximum Weight Limit:

- ▶ Standard ICU Slide doors; 250 pounds
- ▶ Self Closing ICU Slide doors; 135 pounds

Section 2b: Required Tools

List of Materials	
▶ Tape Measure	▶ Phillips Head Screw Drivers: #2 and #3
▶ Chalk Line	▶ Drill Bits: 1/8", 7/32", 1/4" and 3/8"
▶ Level	▶ Masonry Drill Bits: 5/16" and 3/8"
▶ Broom	▶ Wrench: 3/8", 7/16", 1/2" and 9/16" Box or Open End
▶ Hand Drill: Electric or Cordless	▶ Allen Wrench: 1/8", 5/32" and 1/4"
▶ 6" Socket Extension	▶ 3/8" Drive Socket Wrench
▶ Socket: 3/8" and 9/16"	

Section 2c: Associated Manuals Part Numbers

- ▶ Suggested Architectural Specifications Section 8; 2125 Manual Sider Fixed Sidelite

Section 2d: Service Part Pages

- ▶ 2125 ICU Fixed Sidelite Trackless Quick Setup Parts Guide P/N 15-12499-007

CHAPTER 3: PREPARE THE ROUGH OPENING

Note: Make allowances for tile or other existing materials that may change the floor height.

1. Ensure the Rough Opening is the correct size. Please see Figure 3-1.
 - ▶ The width of the Rough Opening should equal:
 - Package Width + 1/4 inch on each side.
 - ▶ The height of the Rough Opening should equal:
 - Package height + 1/4 inch.

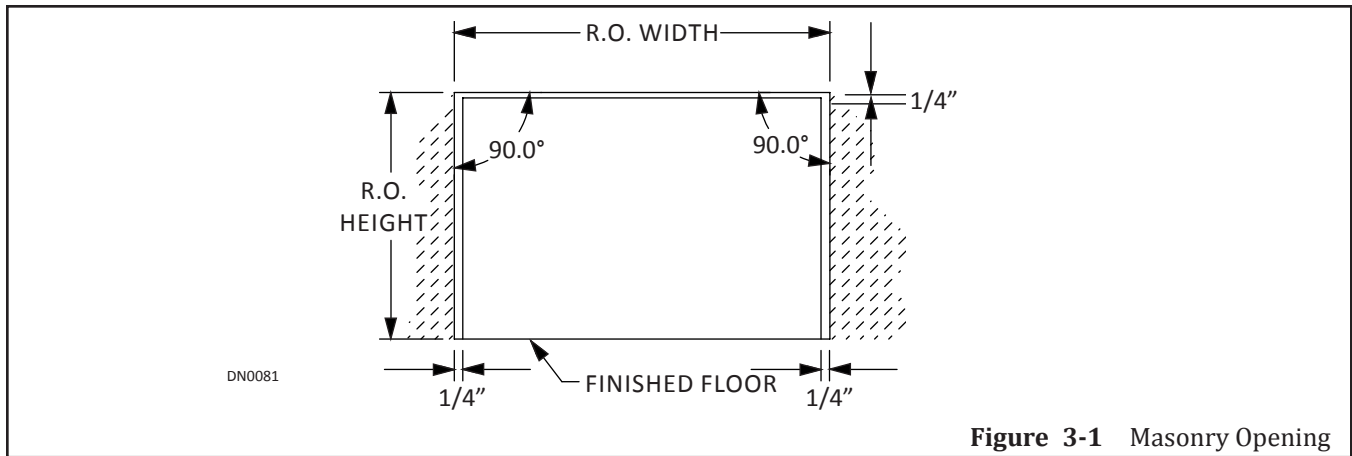


Figure 3-1 Masonry Opening

2. Ensure the floor is level across the entire opening.
3. If required, ensure recessed channel is level across entire length of Floor Track. Please see Figure 3-2.

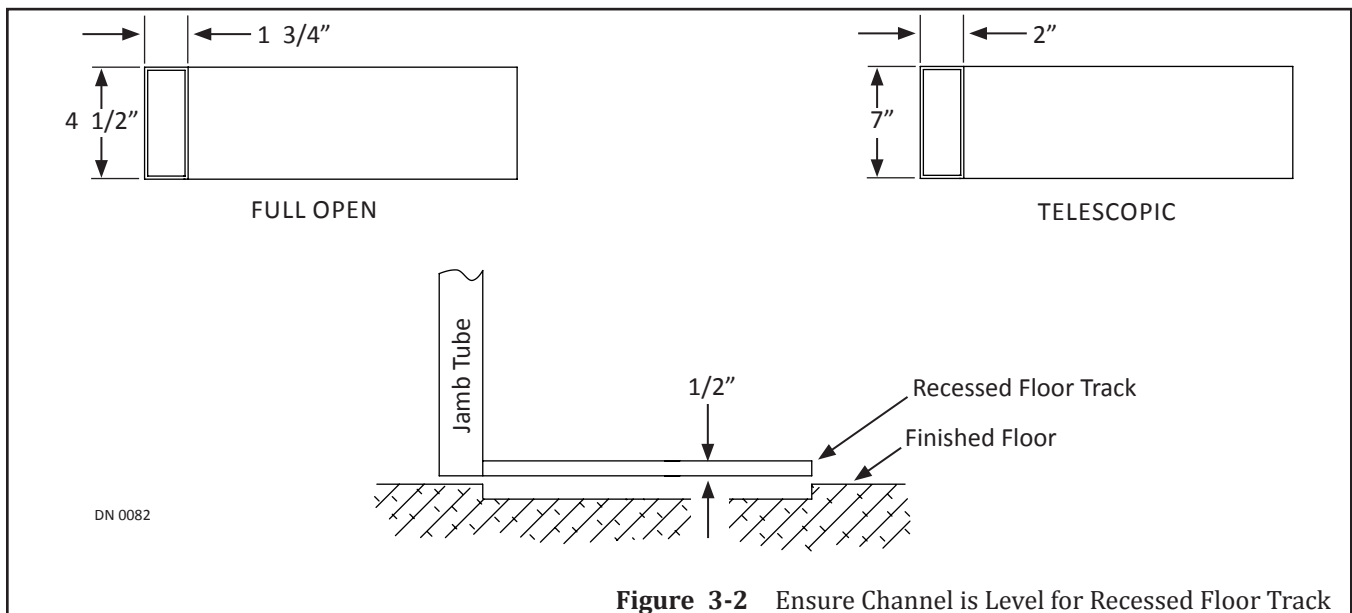


Figure 3-2 Ensure Channel is Level for Recessed Floor Track

CHAPTER 4: INSTALL FRAME

Section 4a: Prepare Header and Jamb Tubes

1. Place the Header on a flat surface with the removable cover facing up.
 - a. Protect Header from scratches.
2. Position Jamb tubes on either side of the Header according to the instruction sticker located on each Jamb tube that shows proper location and orientation. Please see Figure 4-1.
3. Position Header so the Cover is facing the Non-Breakout side of the opening.

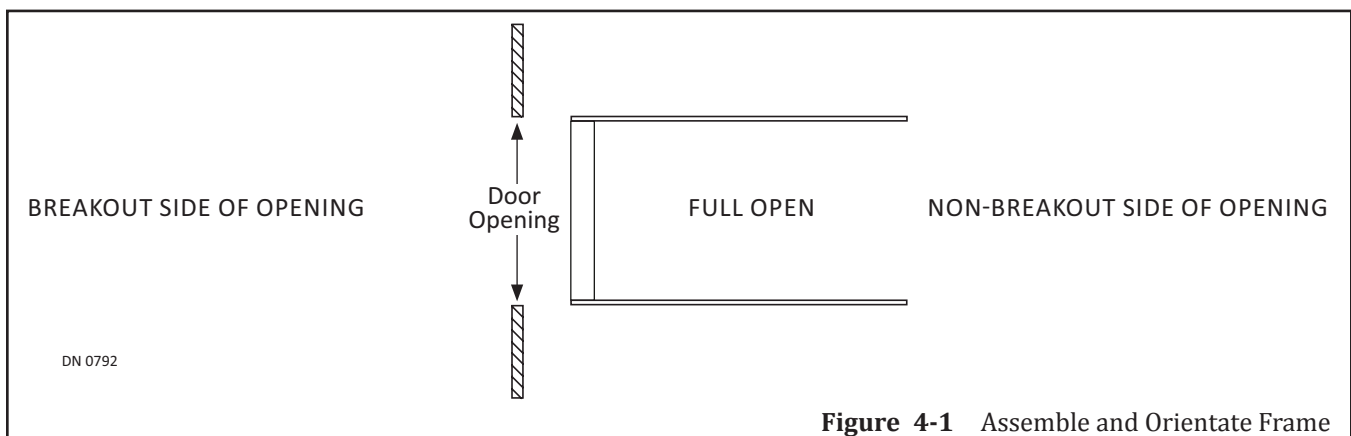


Figure 4-1 Assemble and Orientate Frame

4. Go to the bottom of Header, remove (2) #8-32 x 5/8" phillips head screws used to secure the Cover to Header. Save screws for reinstallation.
5. Remove the Cover by lifting it up and then pulling it out. Please see Figure 4-2.

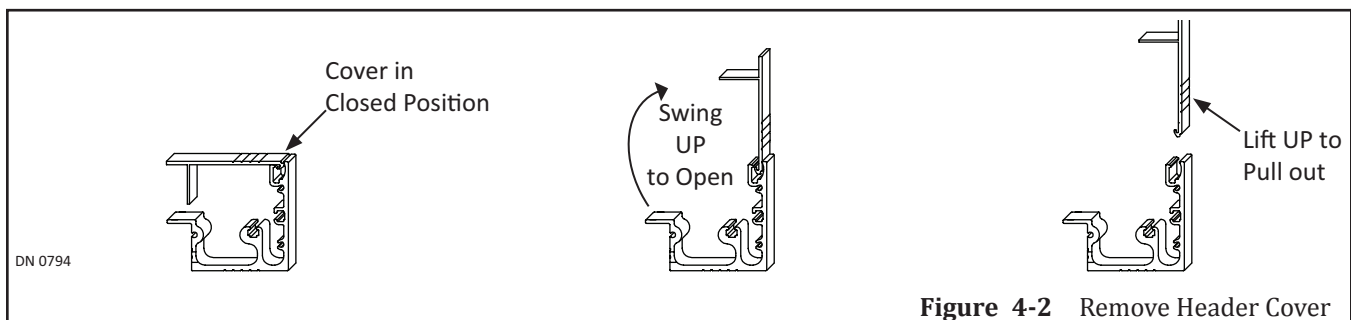


Figure 4-2 Remove Header Cover

6. Remove Parts boxes and/or Parts bags from inside Header. Set aside.
7. Remove 1/4-20 x 3/4 inch Tapping screws that were pre-screwed inside screw bosses on each end of the Header. Save hardware for reinstallation.

Section 4b: Remove the Roller Track (Telescopic Unit)

***FOR SINGLE UNITS SKIP TO
SECTION 4C***

The Telescopic Unit has (2) Roller Tracks: (1) for the Lead door and (1) for the Trail door. Before the Telescopic Header can be assembled the Roller Track for the Lead door must first be removed.

1. Go to the Roller Track for the Lead door. With a #2 Phillips Screwdriver, loosen (1) 1/4-20 x 1/2 inch Phillips Head screw used to secure each Rail Clamp. Please see Figure 4-3.
 - a. Do not remove screws from the Rail Clamps. Loosen only.
 - b. (4) Rail Clamps are typically used to secure the Roller Track to the Header. Locations will vary according to specifications.
2. Turn the Rail Clamps to the side.
3. Remove the Roller Track for the Lead door. Save for reinstallation.

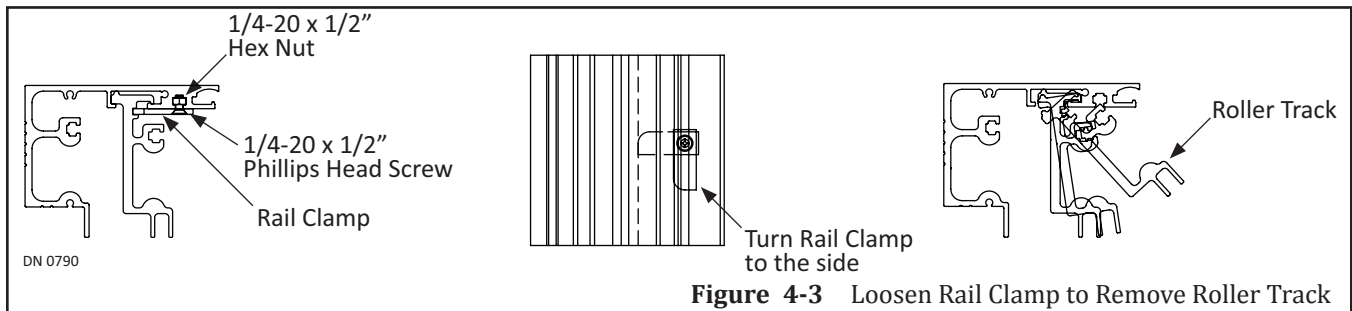


Figure 4-3 Loosen Rail Clamp to Remove Roller Track

Section 4c: Secure Header to Jamb Tubes

Note: (4) holes are pre-drilled into each Jamb Tube for 2 Panel Slide doors because they are non-handed.

1. Secure Header to each Jamb Tube with (3) 1/4-20 x 3/4 inch Phillips head, self tapping screws that were saved for reinstallation. Please see Figure 4-4.

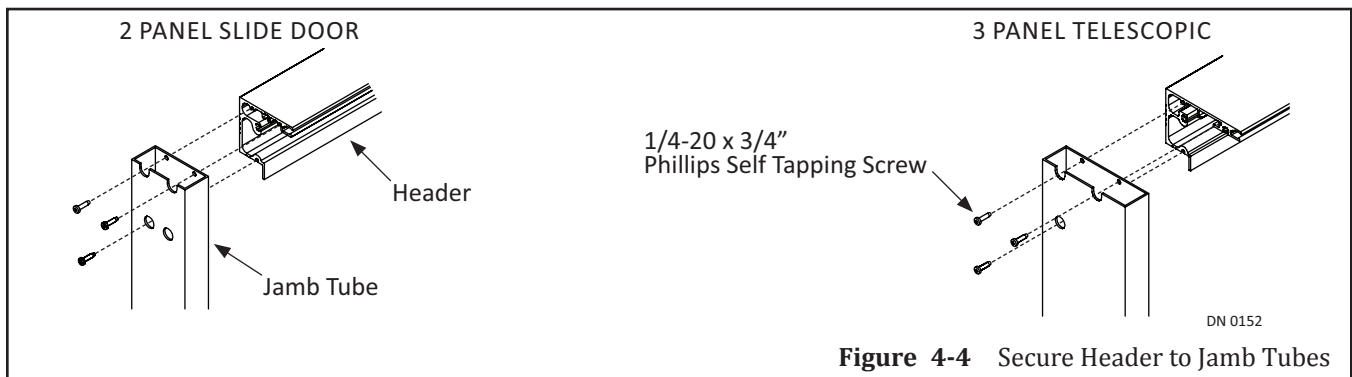
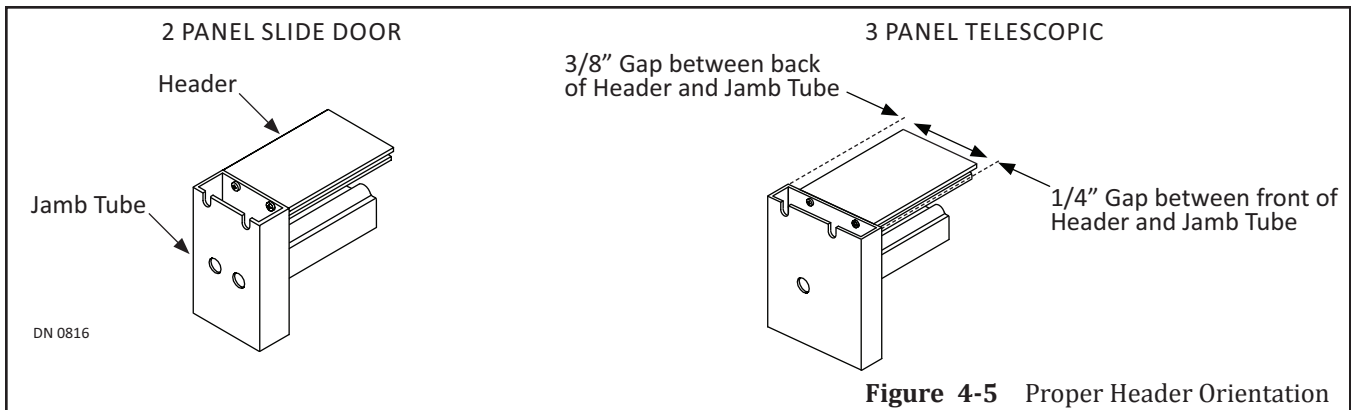
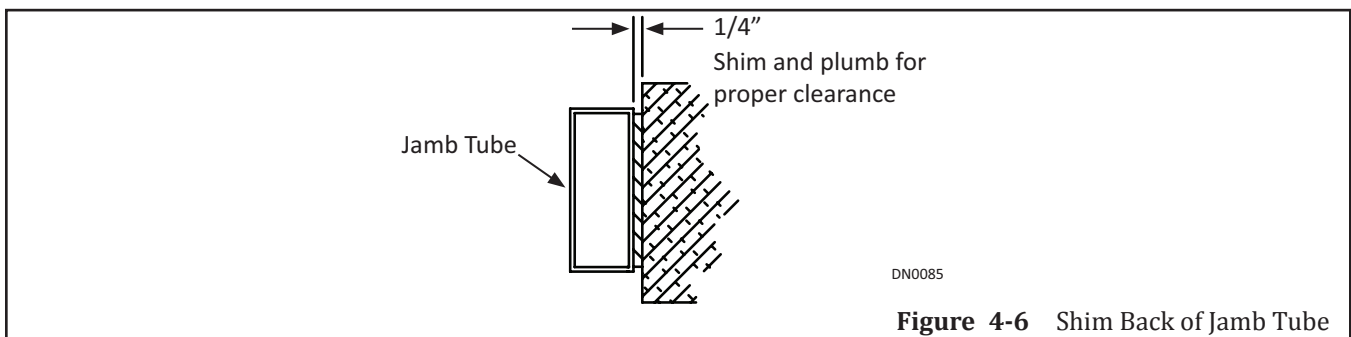


Figure 4-4 Secure Header to Jamb Tubes

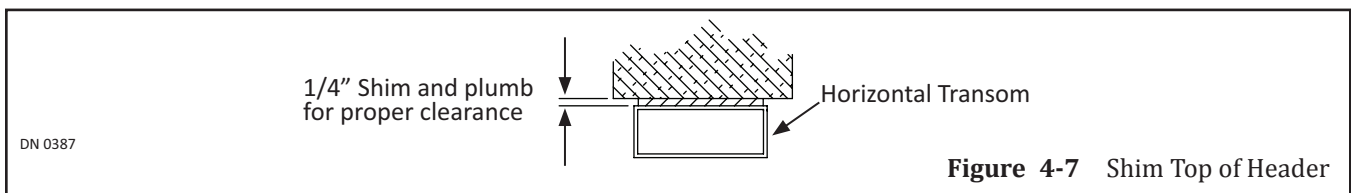
2. Measure to ensure each Jamb Tube is on the correct side of the Header. Please see Figure 4-5.
 - a. 2 Panel Slide doors:
 - Header and Jamb Tubes are the same width.
 - Jamb Tube with pre-installed Door Stop Bumper is on Pivot end.
 - b. 3 Panel Telescopic:
 - 3/8 inch gap between the back of Header and the Jamb Tube.
 - 1/4 inch gap between the front of Header and Jamb Tube.



3. Lift to position the assembled Frame into the rough opening.
4. Plumb Jamb tubes in both planes to ensure the rough opening allows a 1/4 inch clearance. Please see Figure 4-6.
 - a. Shim back of Jamb as required.



5. Plumb the Header at the top to ensure the rough opening allows a 1/4 inch clearance. Please see Figure 4-7.
 - a. Shim top of Header as required.



Section 4d: Secure Frame to Building

- Note:* It is recommended to countersink holes as required to flush the surface.
- Note:* It is recommended to drill tap threads for anchors in a steel or aluminum structure.
- Note:* If anchor points in structure are known, the aluminum door framing can be pre drilled prior to installing into the opening.
- Note:* To prevent Header sag, secure the Header in the middle to the top horizontal structural member of the opening. Use of 3/8 inch threaded rod or 1/4 inch bolts are acceptable methods of supporting the center of the header.

4.d.a: Anchor Placement for Header

Use 1/4 inch diameter anchors or 3/8 inch threaded rods, with a maximum 48 inches on center. First anchor maximum is 36 inches from each end of the Header. Anchors and Fasteners must be appropriate for the type of structure being fastened into. Anchors and Fasteners are not provided by NABCO. Please see Figure 4-8 and Figure 4-9.

4.d.b: Anchor Placement for Slick Jamb

Use 1/4 inch diameter anchors with a minimum of 3 per Jamb tube, maximum is 48 inches on center. Drill 1/4 inch diameter holes in the face of Jamb and then countersink each hole. Anchors and Fasteners must be appropriate for the type of structure being fastened into. Anchors and Fasteners are not provided by NABCO. Please see Figure 4-8 and Figure 4-9.

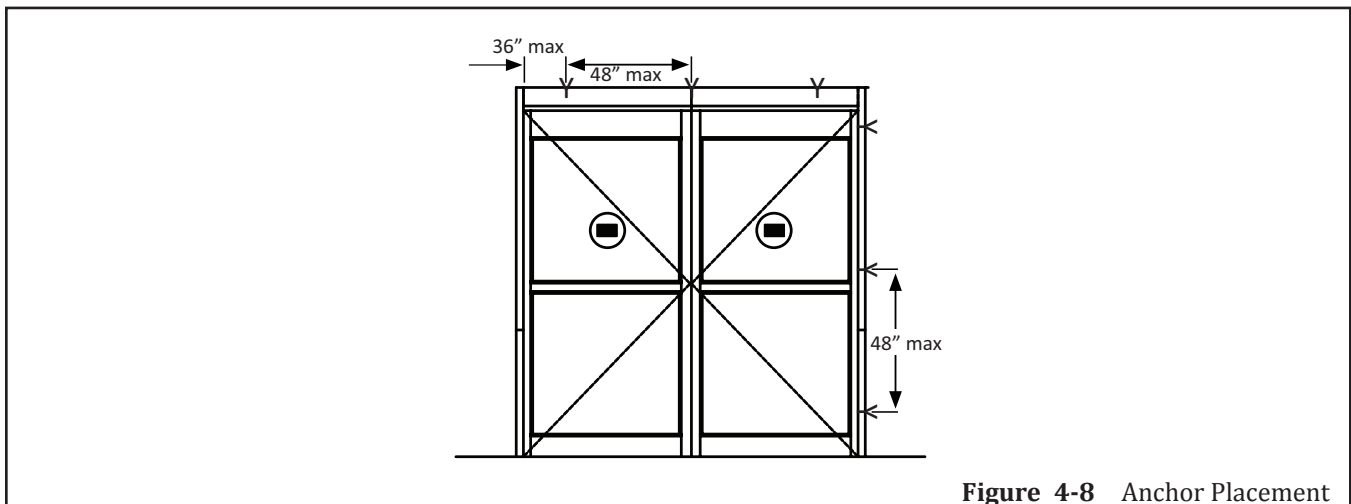


Figure 4-8 Anchor Placement

1. Screw in fasteners to secure the Frame.

Note: Do not overtighten anchors to prevent deforming Jamb tubes.

Note: Ensure anchor heads to not come in contact with edges of glass to prevent breakage.

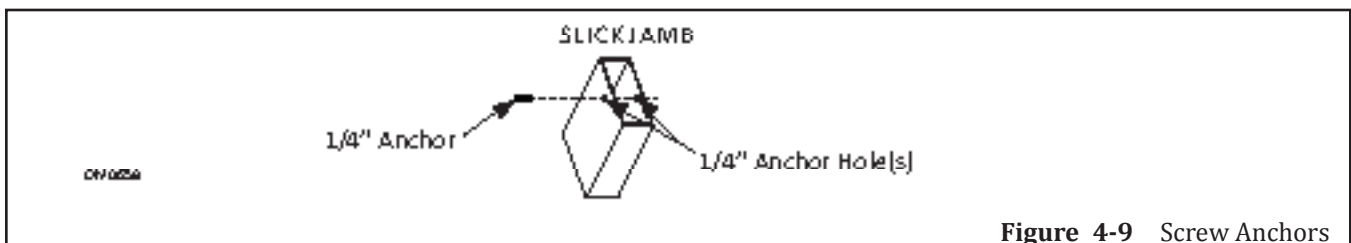


Figure 4-9 Screw Anchors

CHAPTER 5: INSTALL THE 2 PANEL SLIDE DOOR

FOR 3 PANEL SLIDE DOOR UNITS SKIP TO CHAPTER 5

Section 5a: Install the Fixed Sidelite Panel



Figure 5-1 2 Panel Unit (Fixed Sidelite)

1. Locate (2) pre-installed Mounting Brackets on the Jamb Tube. Please see Figure 5-2.
2. Angle the Fixed Sidelite Panel to insert each Mounting Bracket into each cut out located on the Pivot Stile.
3. Go to the Header. Locate (1) pre-installed Mounting Bracket located at the bottom.

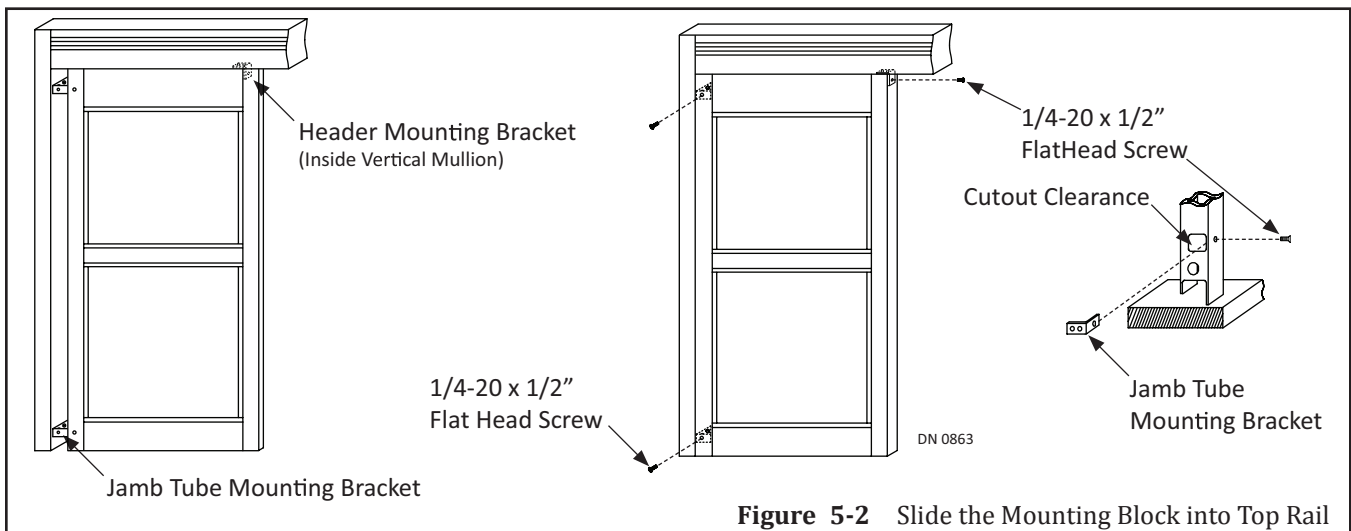


Figure 5-2 Slide the Mounting Block into Top Rail

4. Go to the Strike Stile on the Fixed Sidelite Panel. Locate the cut out at the Top. Please see Figure 5-3.
5. Angle the Fixed Sidelite Panel so the Mounting Bracket can slide into the cut out.
 - a. There is room inside the Strike Stile for the Sidelite to move away from Jamb Tube.

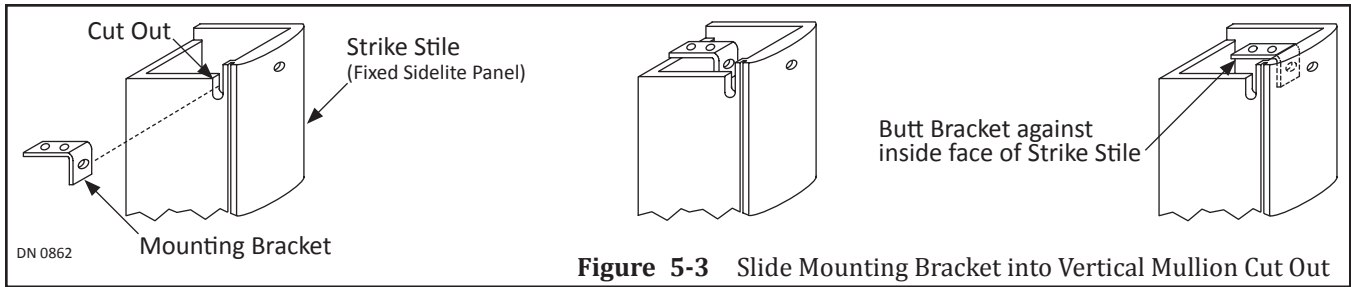
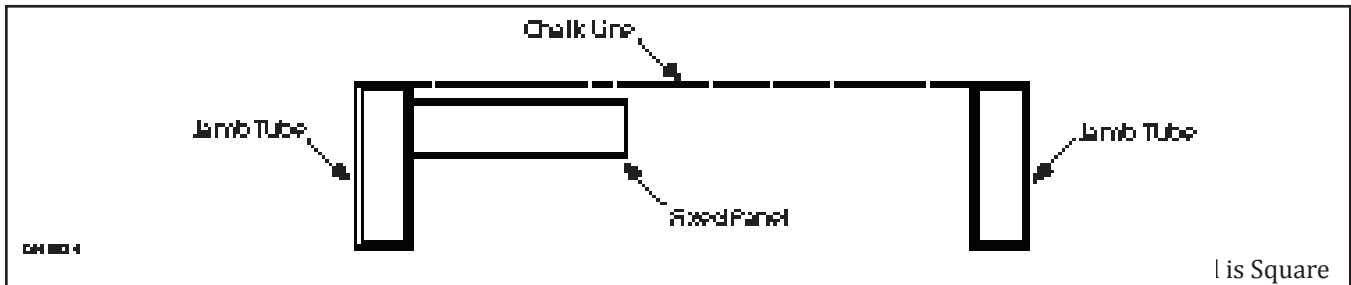


Figure 5-3 Slide Mounting Bracket into Vertical Mullion Cut Out

6. Align each screw hole located on each Mounting Bracket to each pre-drilled screw hole located on the Pivot Side and the Strike Side of the Fixed Sidelite Panel.
7. Obtain (3) 1/4-20 x 1/2 inch Flat Head screws provided by NABCO.
8. Secure all (3) Mounting Brackets to the Fixed Sidelite Panel with 1/4-20 x 1-1/2 inch Flat Head screws. Please see Figure 5-2.
9. Snap a chalk line between Jamb Tubes in front of Sidelite Panel. Please see Figure 5-4.
 - a. If the Sidelite Panel runs parallel to the chalk line it is square.
 - b. If the Sidelite Panel is not parallel to the chalk line make necessary adjustments until it is.



Section 5b: Install the Floor Bracket

1. Go to the Bottom of the Strike Stile.
 - a. Remove (2) pre-installed 1/4-20 x 3/4 inch Phillips Head screws to remove the Bottom Guide Cover. Please see Figure 5-5.
 - b. Save hardware for reinstallation.

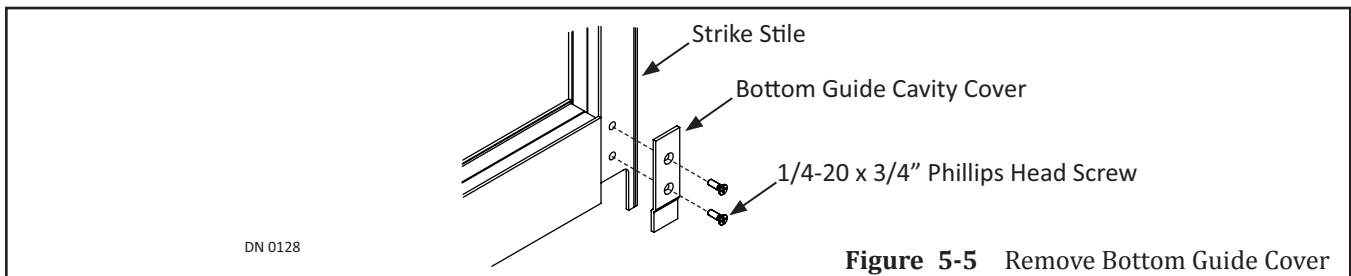
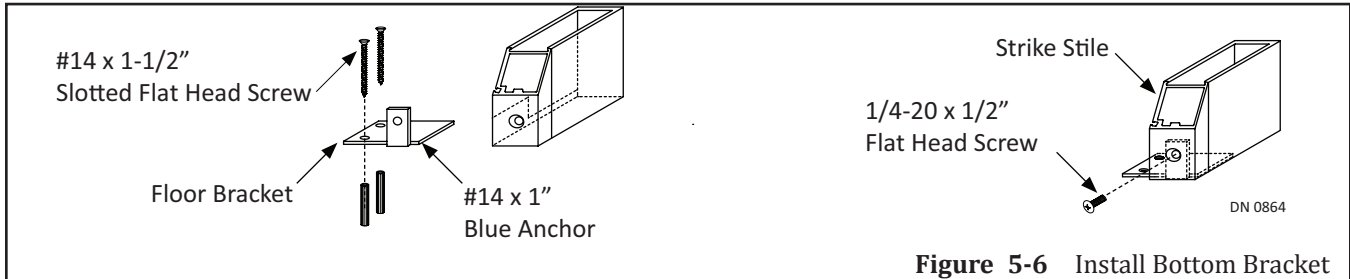


Figure 5-5 Remove Bottom Guide Cover

1. Obtain (1) Floor Bracket, (2) #14 x 1-1/2 inch screws, and (2) #14 x 1 inch blue anchors that were provided within the Parts Box.
2. Insert the Floor Bracket into the Bottom Rail so the plate with (2) screw holes sticks out from underneath in direction of where the Slide door is to be installed. Please see Figure 5-6.

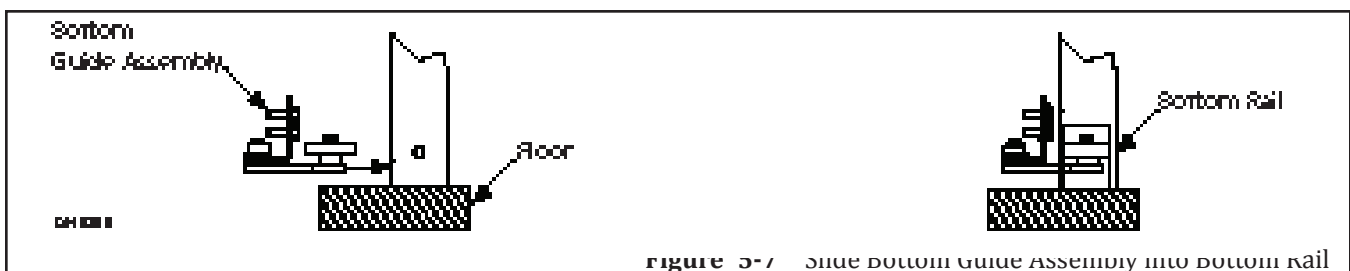
3. Ensure the Fixed Panel is still parallel to the chalk line so it remains square.
4. Secure the Floor Bracket to the Strike Stile with (1) 1/4-20 x 1/2 inch Flat Head screw.
 - a. If the Fixed Panel is not parallel to the chalk line make necessary adjustments until it is.



5. Use the Floor Bracket as a template to mark (2) screw holes onto the floor while holding the Fixed Panel parallel to the chalk line.
6. Remove the Floor Bracket.
7. With a 5/16 inch Masonry Drill Bit drill (2) anchor holes into the floor at least 1 inch deep.
8. Insert (2) #14 x 1 inch anchors into the drilled holes.
9. Replace and then secure Floor Bracket to the floor with (2) #14 x 1-1/2 inch Flat Head screws.

Section 5c: Install the Bottom Guide on the Fixed Sidelite Panel

1. Obtain the Bottom Guide that was provided within the Parts Box.
 - a. For Bi-Part Slide doors a Left Hand and a Right Hand Bottom Guide will be provided. Be sure to select the Bottom Guide that corresponds to the right side of the left side of door.
2. Install the Bottom Guide by sliding (2) rollers into the Bottom Rail so the Bracket sticks out from underneath in direction of where the Slide door is to be installed. Please see Figure 5-7.



3. Reinstall the Bottom Guide Cover with (2) 1/4-20 x 3/4 inch Phillips Head screws that were saved for reinstallation. Please see Figure 5-5.

Section 5d: Install the Slide Door

Note: For shipping purposes (4) Rollers are factory installed on the front side of the Carrier. The installer is responsible to reverse the Roller location before installing the Slide door.

The Carrier is pre-installed on the Top Rail and includes (2) Hanger Rollers and (2) Anti Rise Rollers. The Carrier is used to hang each Slide Door onto the Track located inside the Header.

1. Cover the Sidelite Panel with cardboard on the Breakout side.
2. Remove each Roller by loosening the nut on with a 1/2" open end Wrench. Please see Figure 5-8.
3. Reinstall each Roller by partially tightening each nut with a 1/2" open end Wrench.
 - a. Lightly tighten Rollers in the positions seen in Figure 5-8.
 - b. For detailed instruction, please refer to the Label located on the front side of Carrier.

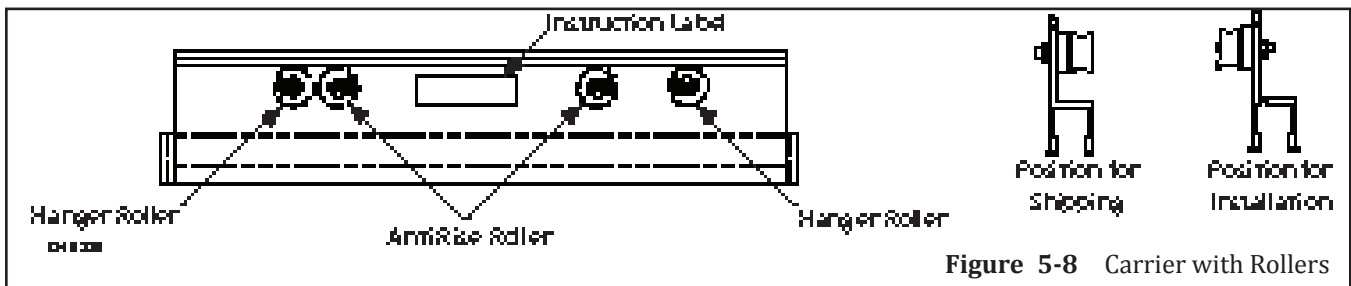


Figure 5-8 Carrier with Rollers

4. Slightly tilt the Slide door to make it easier for the (4) Rollers to 'catch' onto the track. Please see Figure 5-9.
5. Adjust Slide door according to Chapter 7; then come back to complete installation.

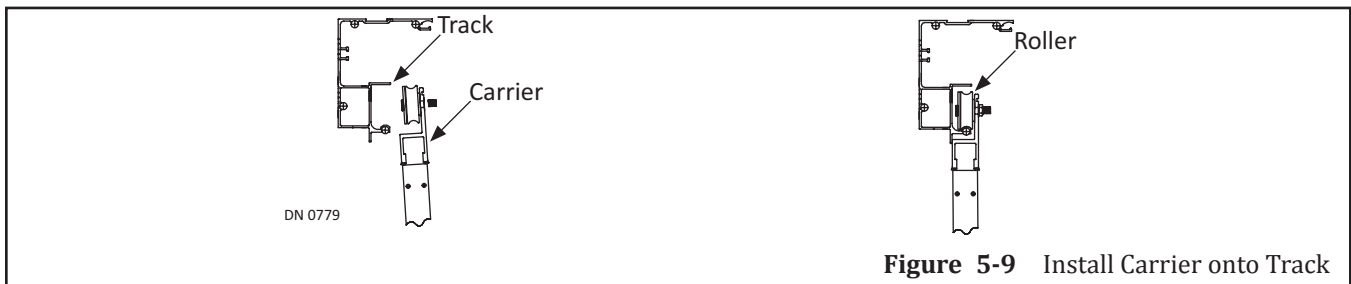


Figure 5-9 Install Carrier onto Track

6. Go to the Fixed Sidelite Panel. Locate the Bottom Guide Assembly that was previously installed inside the Bottom Rail. The Bracket will be sticking out from underneath. Please see Figure 5-7.
7. Position Bottom Guide Assembly over Rivet nuts on Pivot Stile of Slide door. Please see Figure 5-10.
8. Breakout the Slide door to Full Open position.
 - a. Support the weight of the Slide door.
 - b. Ensure cardboard protects the Fixed Sidelite.
9. Line up the (2) screw holes located on the Bottom Guide Assembly to the (2) rivnuts located on the Pivot Stile.
10. Secure the Bottom Guide Assembly to the Pivot Stile with (2) Washers and (2) 1/4 - 20 x 1 inch Hex Head bolts.

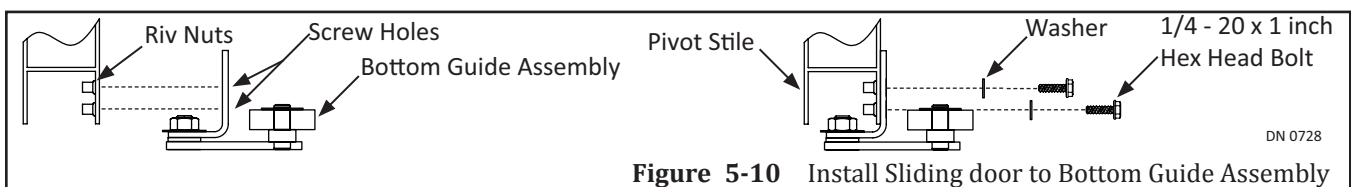


Figure 5-10 Install Sliding door to Bottom Guide Assembly

CHAPTER 6: INSTALL THE 3 PANEL SLIDE DOOR

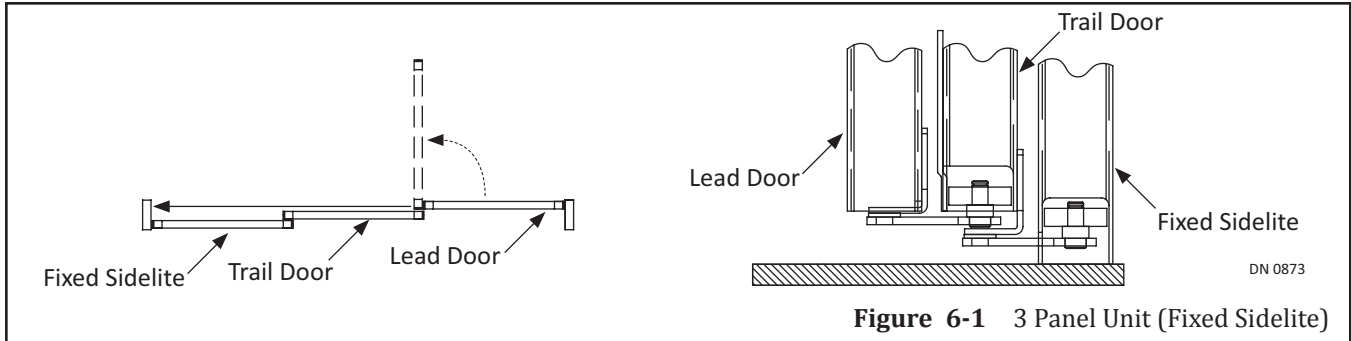


Figure 6-1 3 Panel Unit (Fixed Sidelite)

1. Locate (2) pre-installed Mounting Brackets on the Jamb Tube. Please see Figure 6-2.
2. Angle the Fixed Sidelite Panel to insert each Mounting Bracket into each cut out located on the Pivot Stile.
3. Go to the Header. Locate (1) pre-installed Mounting Bracket located at the bottom.

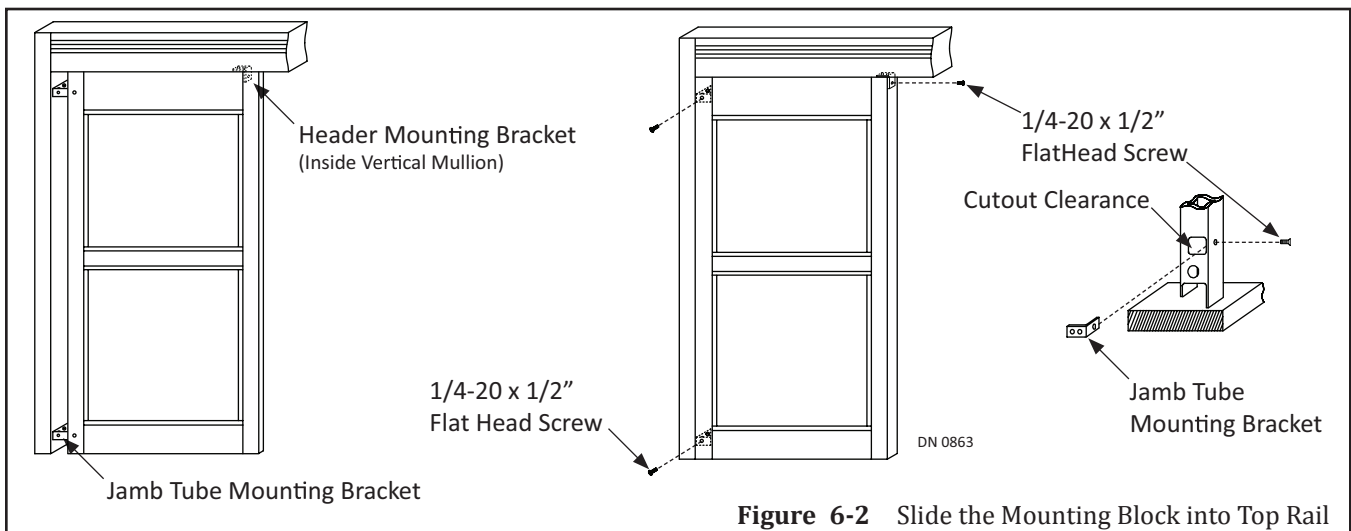


Figure 6-2 Slide the Mounting Block into Top Rail

4. Go to the Strike Stile on the Fixed Sidelite Panel. Locate the cut out at the Top. Please see Figure 6-3.
5. Angle the Fixed Sidelite Panel so the Mounting Bracket can slide into the cut out.
 - a. There is room inside the Strike Stile for the Sidelite to move away from Jamb Tube.

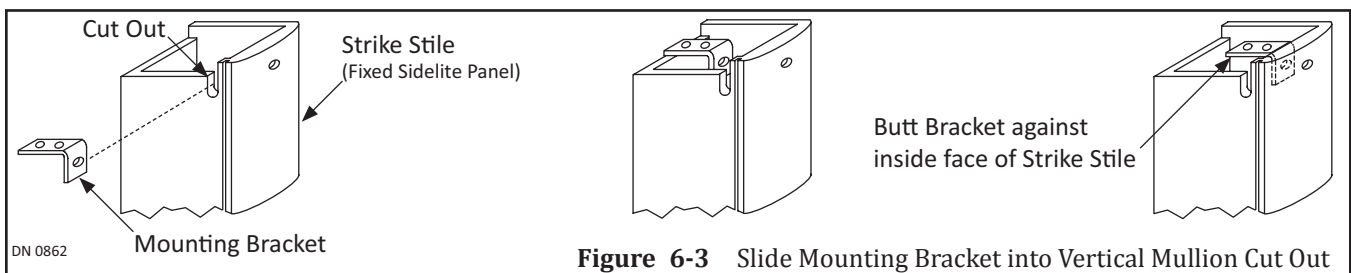
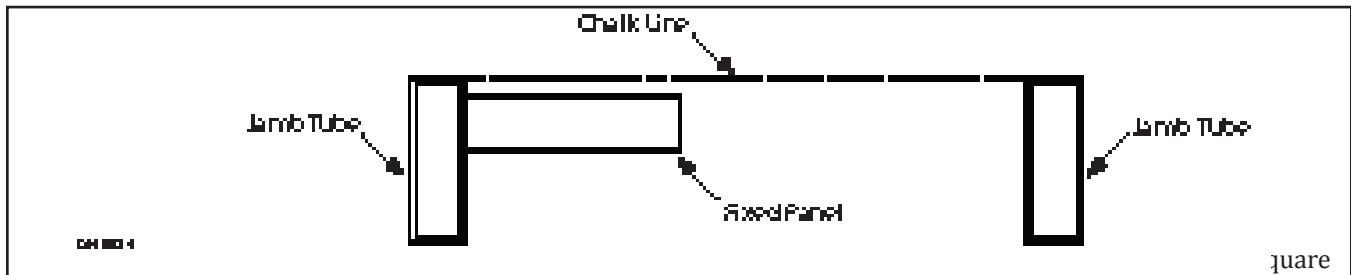


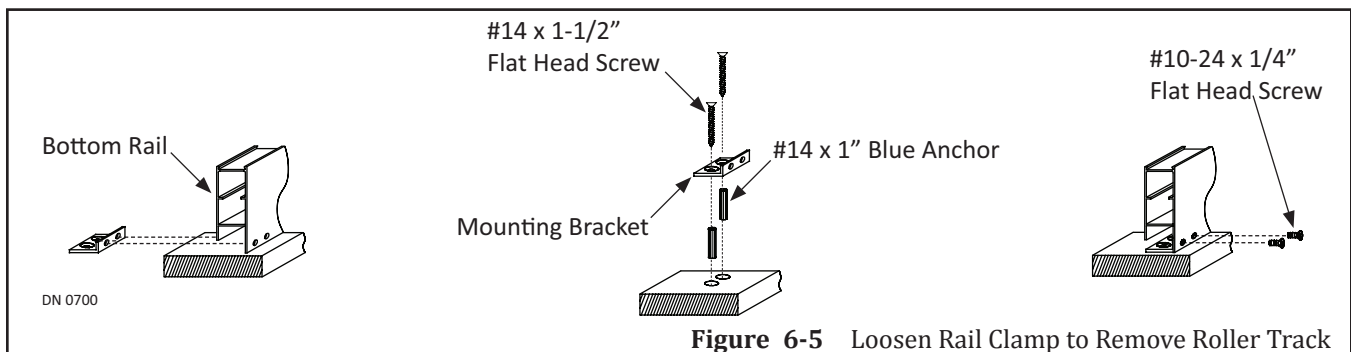
Figure 6-3 Slide Mounting Bracket into Vertical Mullion Cut Out

6. Align each screw hole located on each Mounting Bracket to each pre-drilled screw hole located on the Pivot Side and the Strike Side of the Fixed Sidelite Panel.
7. Obtain (3) 1/4-20 x 1/2 inch Flat Head screws provided by NABCO.
8. Secure all (3) Mounting Brackets to the Fixed Sidelite Panel with 1/4-20 x 1-1/2 inch Flat Head screws. Please see Figure 6-2.
9. Snap a chalk line between Jamb Tubes in front of Sidelite Panel. Please see Figure 6-4.
 - a. If the Sidelite Panel runs parallel to the chalk line it is square.
 - b. If the Sidelite Panel is not parallel to the chalk line make necessary adjustments until it is.



6.a.a: Install the Floor Mounting Bracket

1. Obtain (1) Floor Mounting Bracket, (2) 14 x 1-1/2 inch Flat Head screws, (2) #10-24 x 1/4 inch Flat Head Machine screws, and (2) #14 x 1 inch Blue Masonry Anchors.
2. Go to the Bottom Rail.
3. Slide the Floor Mounting Bracket underneath the Bottom Rail until the (2) screw holes located on the upper portion of the Floor Mounting Bracket are aligned with (2) pre-drilled screw holes located on the outside wall of the Bottom Rail. Please see Figure 6-5.



4. Temporarily secure the Floor Mounting Bracket to the Sidelite Panel with (2) #10-24 Flat Head screws. Do not overtighten screws.
5. Hold the Fixed Sidelite Panel parallel to the chalk line. Mark the edges of the Floor Mounting Bracket onto the floor.
6. Remove the Sidelite Panel from the Floor Mounting Bracket and (2) Mounting Brackets located on the Jamb Tube.
 - a. Save hardware for reinstallation.
7. Use the Floor Mounting Bracket as a template to mark and drill (2) 5/16 inch screw holes into the floor at least 1-1/2 inch deep.

8. Insert (1) Anchor into each drilled hole.
9. Secure the Floor Mounting Bracket to the floor with (2) #14 x 1-1/2 inch Flat Head screws.
10. Reinstall the Fixed Sidelite Panel to Mounting Brackets with hardware that was saved for reinstallation. Do not overtighten screws.

Section 5a: Install the Trail Door

Note: For shipping purposes (4) Rollers are factory installed on the front side of the Carrier. The installer is responsible to reverse the Roller location before installing the Slide door.

The Carrier is pre-installed on the Top Rail and includes (2) Hanger Rollers and (2) Anti Rise Rollers. The Carrier is used to hang each Slide Door onto the Track located inside the Header.

1. Cover Sidelite Panel with cardboard on Breakout side to prevent damage during installation.
2. Remove each Roller by loosening the nut on with a 1/2" open end Wrench. Please see Figure 6-6.
3. Reinstall each Hanger Roller by partially tightening each nut with a 1/2" open end Wrench.
 - a. Lightly tighten Rollers in the positions seen in Figure 6-6.
 - b. For detailed instruction, please refer to the Label located on the front side of Carrier.

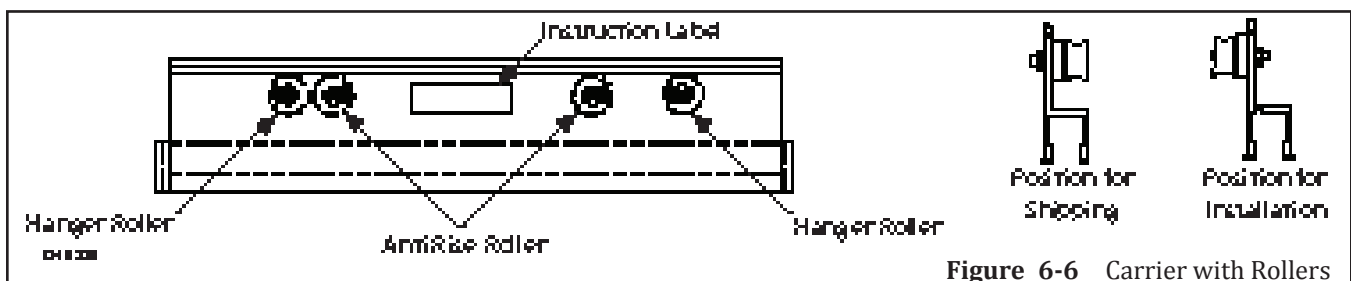


Figure 6-6 Carrier with Rollers

4. Slightly tilt the Trail door to make it easier for the (4) Rollers to 'catch' onto the track. Please see Figure 6-7.

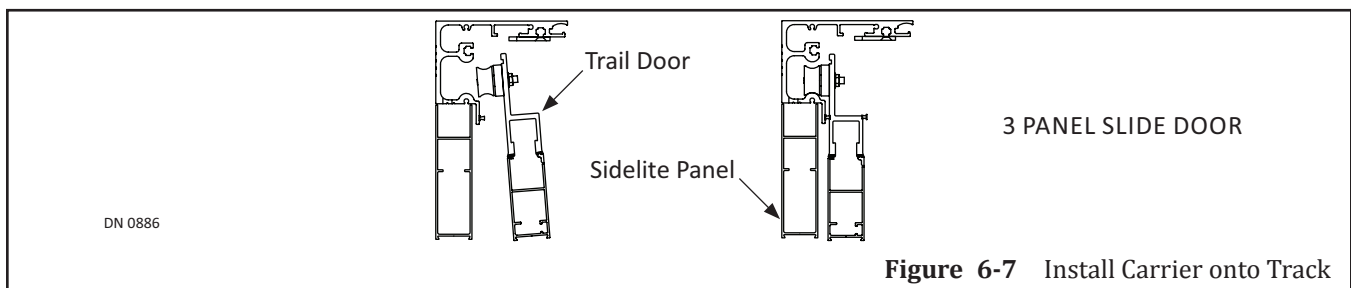


Figure 6-7 Install Carrier onto Track

5. Adjust Trail door according to Chapter 7; then come back to complete installation.
6. Obtain the Bottom Guide Assembly provided by NABCO.
7. Go to Pivot Stile of Trail Door. Please see Figure 6-8.
8. Line up (2) screw holes located on the Bottom Guide Assembly to (2) Rivnuts located on the Pivot Stile of the Trail door.
9. Secure the Bottom Guide Assembly to the Pivot Stile with (2) 1/4 inch Washers and (2) 1/4 - 20 x 1 inch Hex Head bolts.

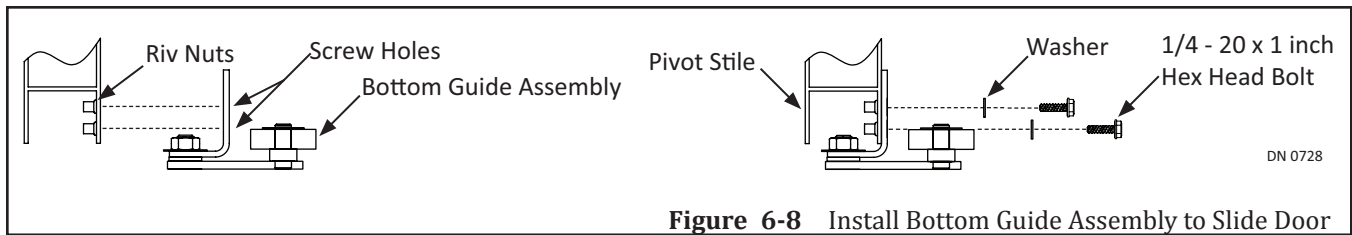
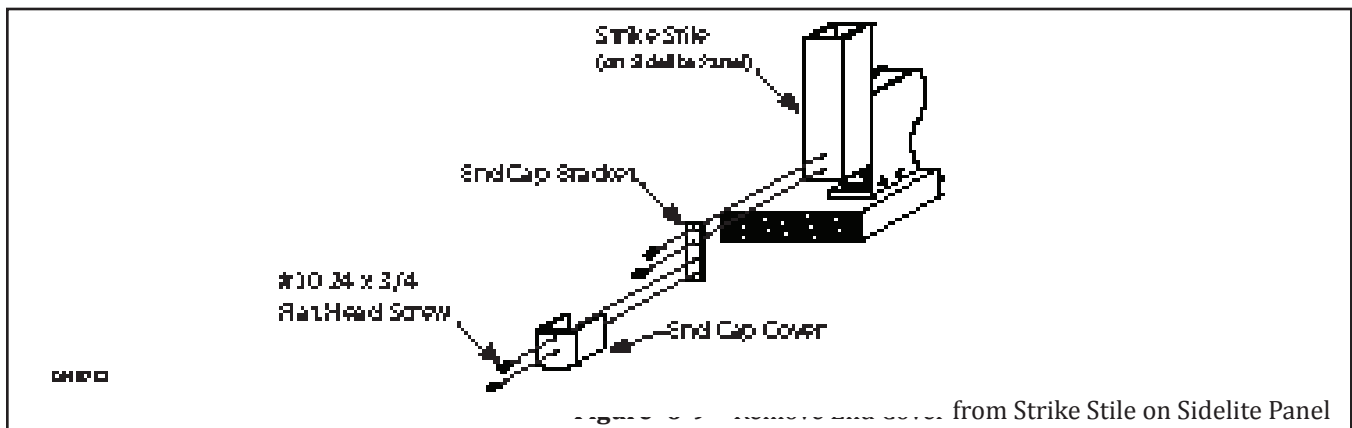


Figure 6-8 Install Bottom Guide Assembly to Slide Door

10. Go to the bottom of the Strike Stile located on Fixed Sidelite Panel. Please see Figure 6-9.
11. Remove the pre-installed End Cap Bracket, End Cap Cover and (4) #10-24 x 3/4 inch Flat Head screws. Save Hardware for reinstallation.



Remove End Cap Bracket from Strike Stile on Sidelite Panel

12. Slide the Trail Door until the Bottom Guide Assembly can slide underneath the Strike Stile and then into the Bottom Rail of the Fixed Sidelite Panel. Please see Figure 6-10.

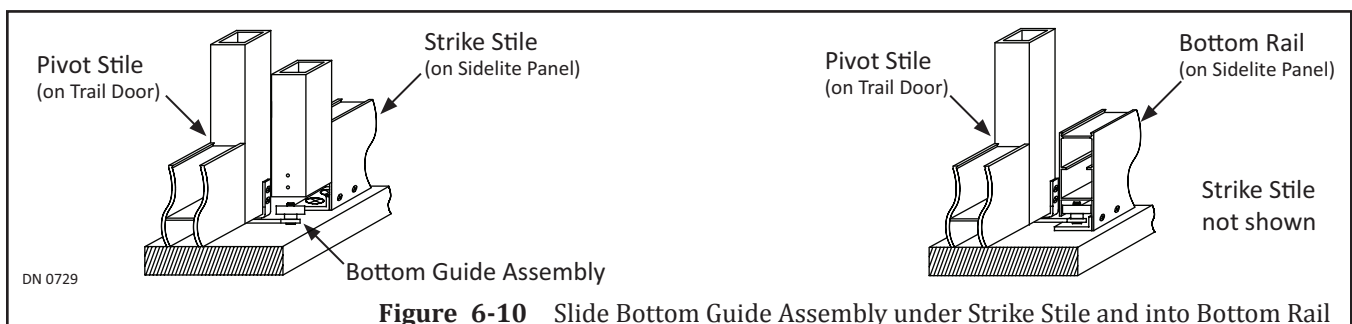


Figure 6-10 Slide Bottom Guide Assembly under Strike Stile and into Bottom Rail

13. Reinstall the End Cap Cover, Bracket and (4) screws saved for reinstallation, onto the Strike Stile of the Fixed Sidelite Panel. Please see Figure 6-9.

Section 5b: Install the Lead Door

1. Cover Trail door with cardboard on the Outswing side to prevent damage during installation.
2. Obtain the Roller Track that was saved for reinstallation.
3. Tilt the Roller Track until it is inserted within the Header slot. Then let the Roller Track drop down until it is perpendicular to the floor. Please see Figure 6-11.
4. Return the (4) Rail Clamps back to their original position.

5. Secure each Rail Clamp with (1) 1/4-20 x 1/2 inch Phillips Head screws.
 - a. Do not overtighten screws.

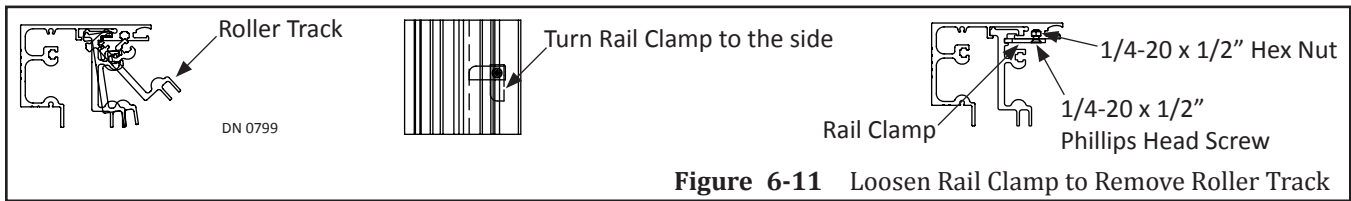


Figure 6-11 Loosen Rail Clamp to Remove Roller Track

Note: For shipping purposes (4) Rollers are factory installed on the front side of the Carrier. The installer is responsible to reverse the Roller location before installing the Slide door.

The Carrier is pre-installed on the Top Rail and includes (2) Hanger Rollers and (2) Anti Rise Rollers. The Carrier is used to hang each Slide Door onto the Track located inside the Header.

1. Cover Sidelite Panel with cardboard on Breakout side to prevent damage during installation.
2. Remove each Roller by loosening the nut on with a 1/2" open end Wrench. Please see Figure 6-12.
3. Reinstall each Roller by partially tightening each nut with a 1/2" open end Wrench.
 - a. Lightly tighten Rollers in the positions seen in Figure 6-12.
 - b. For detailed instruction, please refer to the Label located on the front side of Carrier.

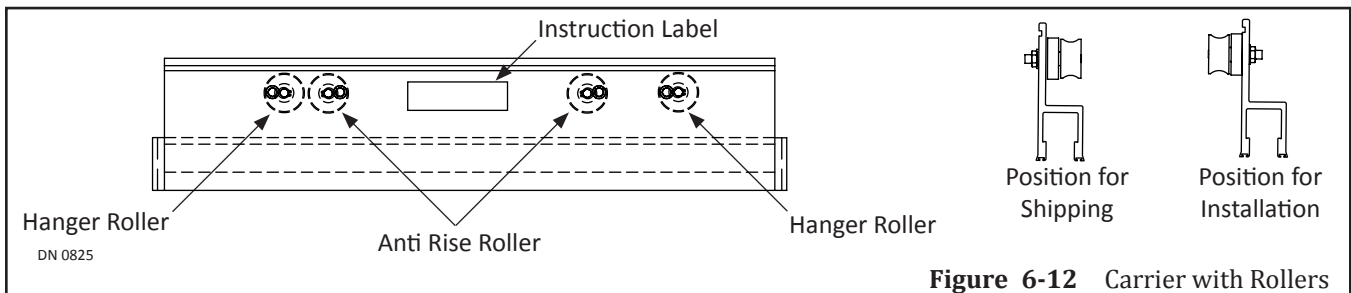


Figure 6-12 Carrier with Rollers

4. Slightly tilt the Lead door to make it easier for the (4) Rollers to 'catch' onto the track. Please see Figure 6-13.

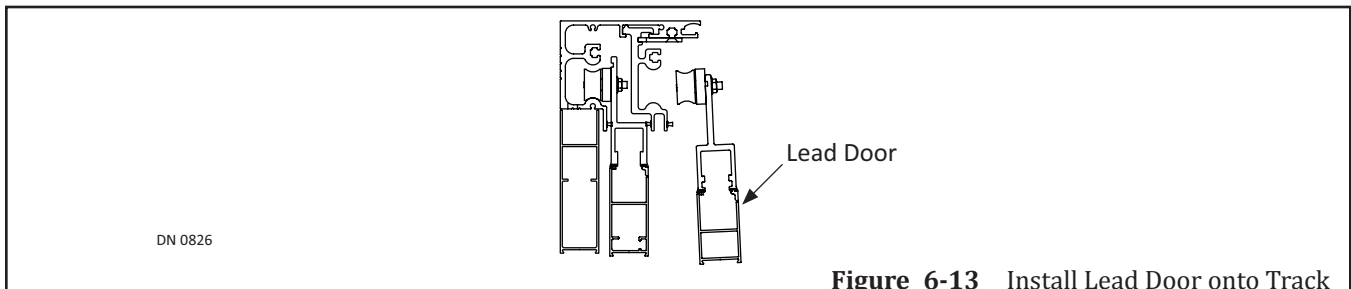
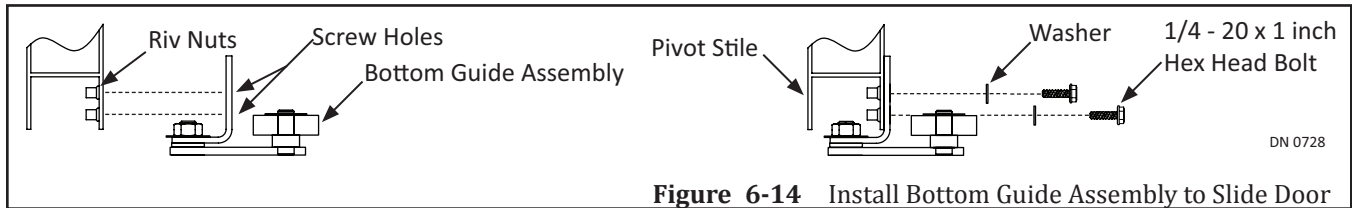


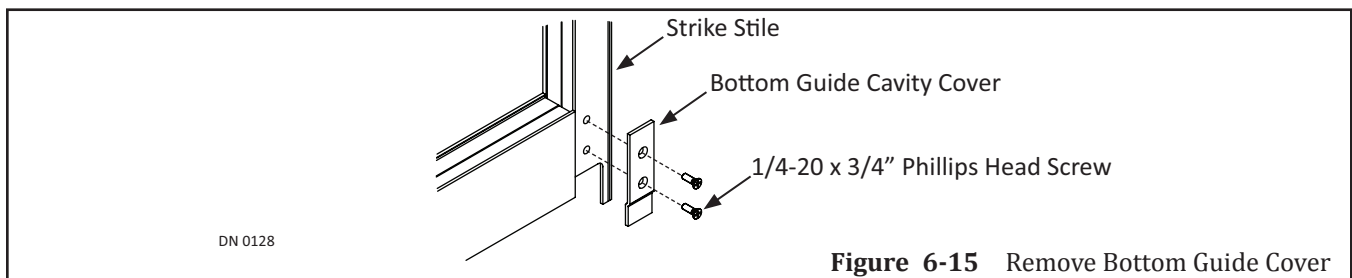
Figure 6-13 Install Lead Door onto Track

5. Adjust Lead door according to Chapter 7; then come back to complete installation.
6. Obtain the Bottom Guide Assembly provided by NABCO.
7. Go to Pivot Stile of Lead Door.

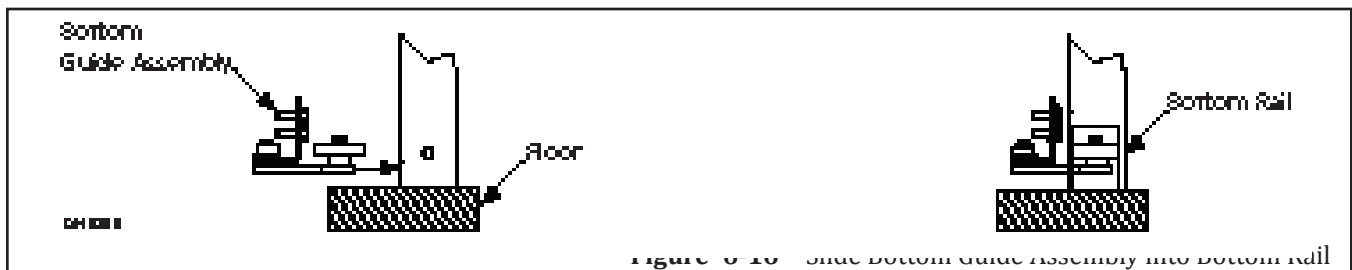
8. Line up (2) screw holes located on the Bottom Guide Assembly to (2) Rivnuts located on the Pivot Stile of the Lead door.
9. Secure the Bottom Guide Assembly to the Pivot Stile with (2) 1/4 inch Washers and (2) 1/4 - 20 x 1 inch Hex Head bolts.



10. Go to the bottom of the Strike Stile located on the Trail door. Please see Figure 6-15.
11. Remove the pre-installed End Cap Cover and (2) #1/4-20 x 3/4 inch Flat Head screws. Save Hardware for reinstallation.



12. Breakout the Lead door to Full Open position.
 - a. Slide door must never come into contact with the Trail Panel.
13. Angle the Lead Door until the Bottom Guide Assembly can slide into the opening located on the front face of the Strike Stile and then into the Bottom Rail. Please see Figure 6-16.



14. Reinstall the Bottom Guide Cover with (2) 1/4-20 x 3/4 inch Phillips Head screws that were saved for reinstallation. Please see Figure 6-15.
15. Close the Lead Door.

CHAPTER 7: INSTALL THE SELF CLOSING SLIDE DOOR

FOR UNITS WITHOUT "SELF CLOSING FEATURE" SKIP TO CHAPTER 7

Section 7a: Parts of the Header

Note: Header Layout is reverse for Slide doors that open to the left.

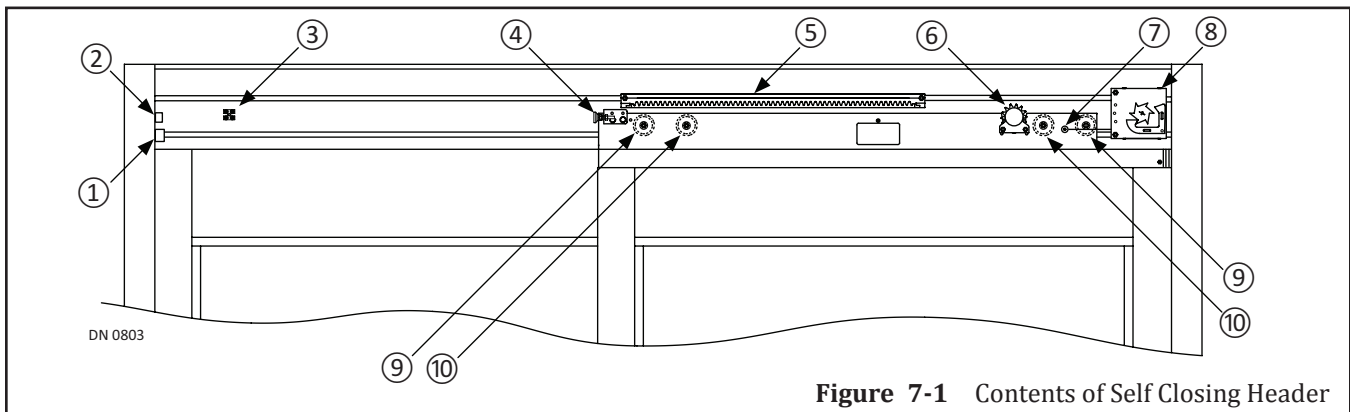


Figure 7-1 Contents of Self Closing Header

- | | |
|---------------------------------------|----------------------|
| 1. Door Stop | 6. Rotary Damper |
| 2. Electromagnet* | 7. Shoulder Bolt |
| 3. Terminal Strip for 24 VDC | 8. Pull Spring |
| 4. Hold Open Bracket w/Leveler Mount* | 9. Hanger Roller |
| 5. Control Rack | 10. Anti-Rise Roller |

*Used on Hold Open Units only

Section 7b: Wire the Components

FOR UNITS WITHOUT "HOLD OPEN FEATURE" SKIP TO SECTION 7C

Power Requirements for (Hold Open):

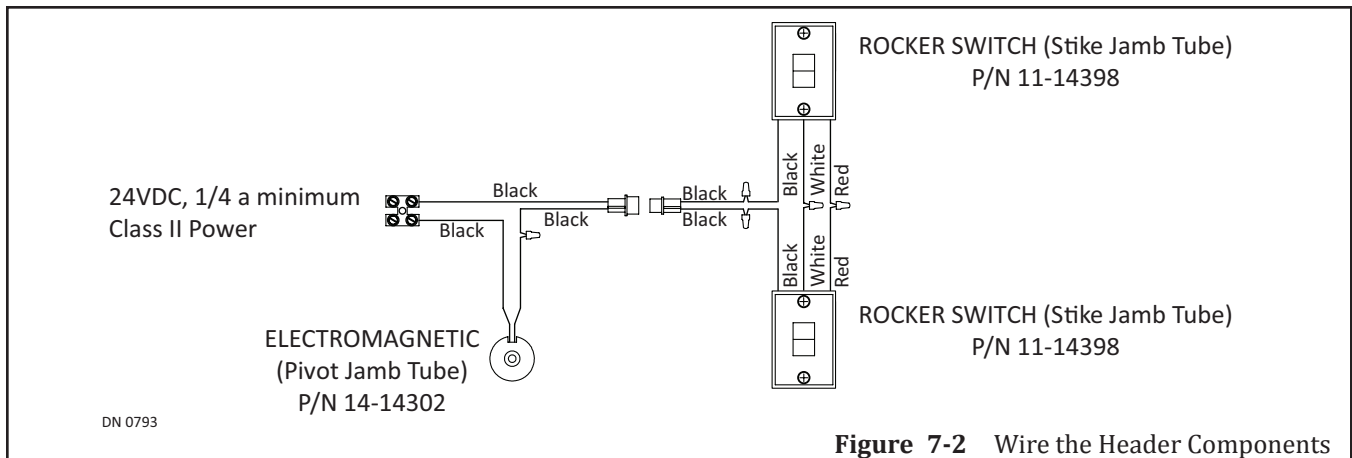
- ▶ 24VDC, 250mA minimum, UL Listed class 2 power supply.
- ▶ May use: Power Supply 24 VDC, 0.5A; NABCO P/N 14-14299.

DANGER

DO Not install the Power Supply inside the door.

DANGER

High voltage side of Power Supply must be connected in accordance with all applicable electrical codes.



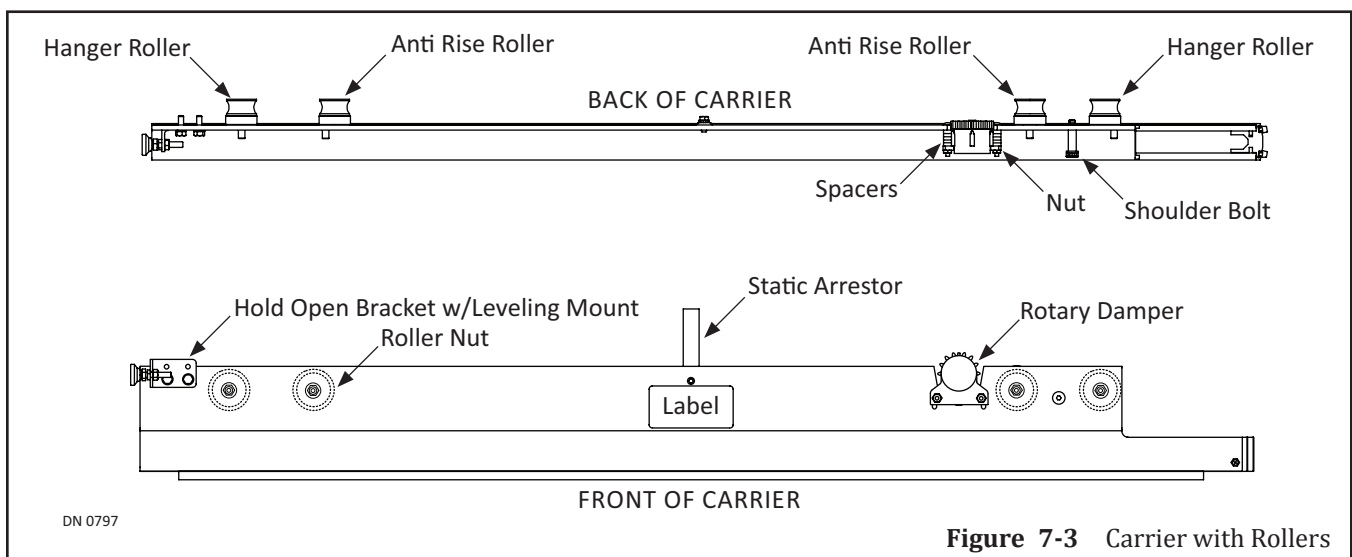
Section 7c: Lift Carrier onto Track

Note: The Carrier is pre-installed on the Top Rail and includes (4) Hanger Rollers, (1) Rotary Damper, (1) Static Arrestor, and (1) Hold Open Bracket w/Leveling Mount.

The Carrier is used to hang each Slide Door onto the Roller Track located inside the Header.

Note: For shipping purposes (4) Hanger Rollers are factory installed on the front side of the Carrier. The installer is responsible to reverse the Hanger Roller location before installing the Slide door.

1. Go to the front side of Carrier located on Top Rail of Slide door.
2. Remove each Hanger Roller by loosening the nut with a 1/2" open end Wrench. Please see Figure 7-3.
3. Go to the back side of Carrier. Reinstall each Hanger Roller by partially tightening each nut with a 1/2" open end Wrench.
 - a. Hanger Rollers must be loose for the Slide door to 'catch' onto the Track properly.
 - b. For detailed instruction, please refer to the Label located on the front side of Carrier.
4. Go to the Rotary Damper. Loosen each nut until the Rotary Damper slides down the slots.



5. Slightly tilt the Slide door to make it easier for the (4) Rollers to 'catch' onto the track. Please see Figure 7-4.
6. With Slide door tilted install the Carrier onto the Track.

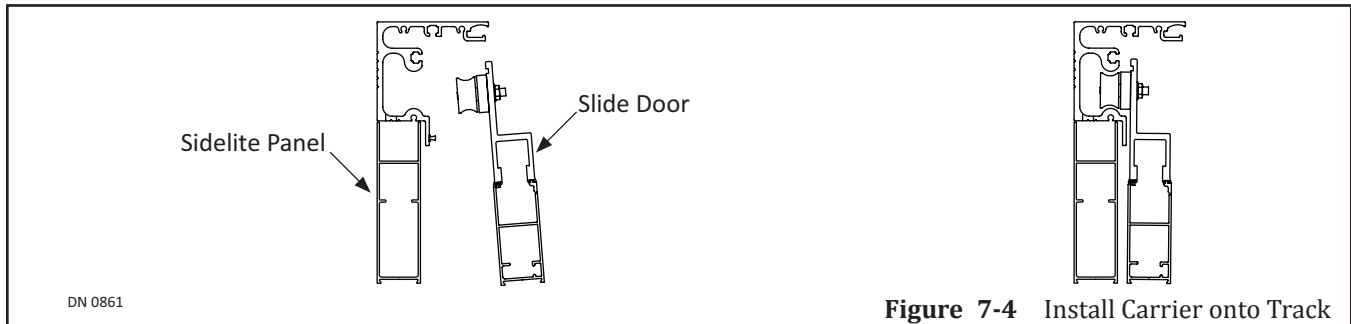


Figure 7-4 Install Carrier onto Track

Section 7d: Align the Rotary Damper to the Control Rack

1. Manually slide open the door until the Rotary Damper is directly underneath the Control Rack. Please see Figure 7-5.
2. Go to the Rotary Damper. Loosen (2) #10 hex nuts with a 3/8 inch wrench.
3. Slide the Rotary Damper up the slot until the teeth can fit inside the Control Rack teeth.
4. Tighten (2) #10 Hex nuts that were just loosened to secure the Rotary Damper in place. Do not overtighten.
5. To ensure proper engagement between Rotary Damper and Control Rack, slide the door back and forth to check for binding or chatter.

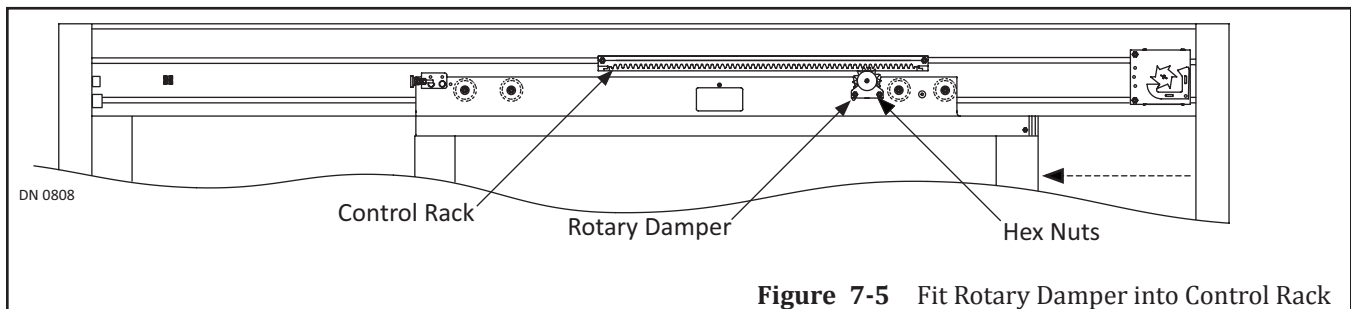


Figure 7-5 Fit Rotary Damper into Control Rack

Section 7e: Attach the Pull Spring to the Carrier

1. Close the door.
2. Go to the Shoulder Bolt located between (2) Hanger Rollers closest to the Strike Jamb. Please see Figure 7-6.
3. Remove the Shoulder Bolt with a 3/16 inch Allen Wrench.
4. Attach the Pull Spring to the Shoulder Bolt.
5. Reinstall the Shoulder Bolt with the Pull Spring attached.

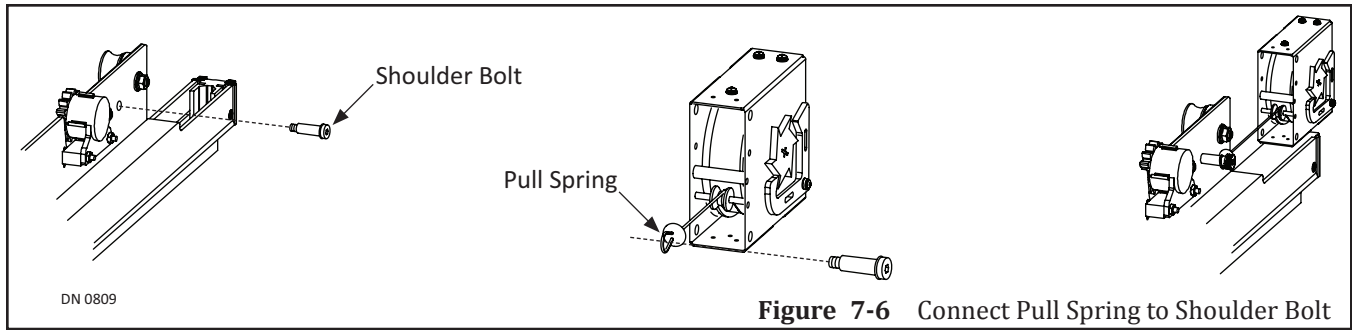


Figure 7-6 Connect Pull Spring to Shoulder Bolt

Section 7f: Align Slide Door with Electromagnet and Door Stop Bumper

FOR UNITS WITHOUT "HOLD OPEN FEATURE" SKIP THIS SECTION

1. Manually slide door to full open position. Please see Figure 7-7.
2. Check alignment between the:
 - ▶ Carrier and Door Stop Bumper.
 - ▶ Electromagnetic and Magnetic Latch.
 - a. Both pairs should come in contact at the same time.

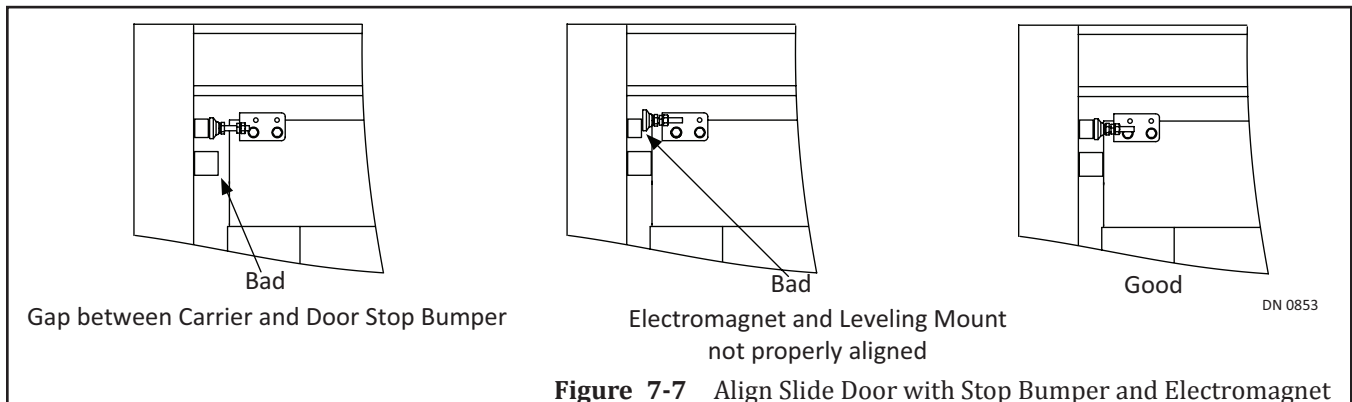


Figure 7-7 Align Slide Door with Stop Bumper and Electromagnet

3. Loosen (2) Hex nuts on the Magnetic Strike. Please see Figure 7-8.
4. Slide the Carrier until it is against the Slide door Bumper.
5. While holding the Carrier to the Slide door Bumper, adjust the Magnetic Strike to contact and align with the Magnet on the Jamb Tube. Tighten Hex nuts.

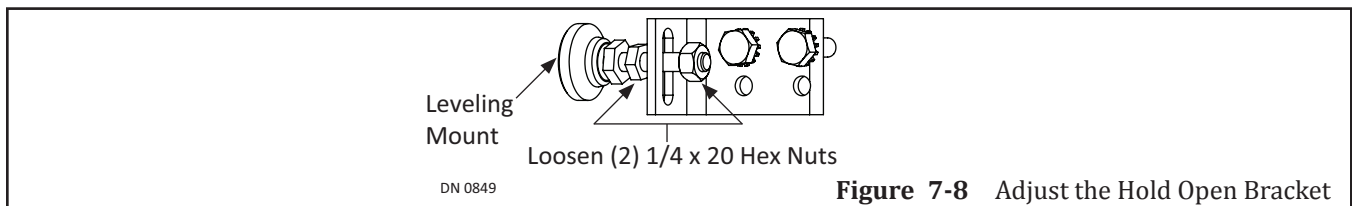


Figure 7-8 Adjust the Hold Open Bracket

Section 7g: Adjust the Closing Speed

CAUTION

Do Not let Slide door slam shut.

1. Open the Slide door.
2. Allow Slide door to fully close. It should close slowly.
 - a. If the Slide door does not close fully:
 1. Go to the Pull Spring.
 2. With a Flathead screwdriver turn the Tension plate counterclockwise to increase tension. Please see Figure 7-9.

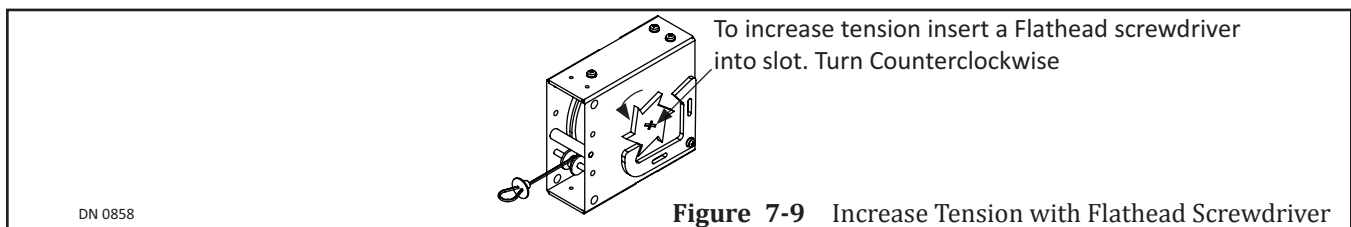


Figure 7-9 Increase Tension with Flathead Screwdriver

- b. If the Slide door closes too fast:
 1. Go to the Pull Spring.
 2. With both Index fingers carefully push the Tension Bracket forward so the Tension Plate clicks clockwise. Please see Figure 7-10.
 - a. This will decrease tension on the Pull Spring.
 3. With both thumbs push the Tension Bracket back to starting position.
 - a. Do not pinch fingers while setting the Tension.

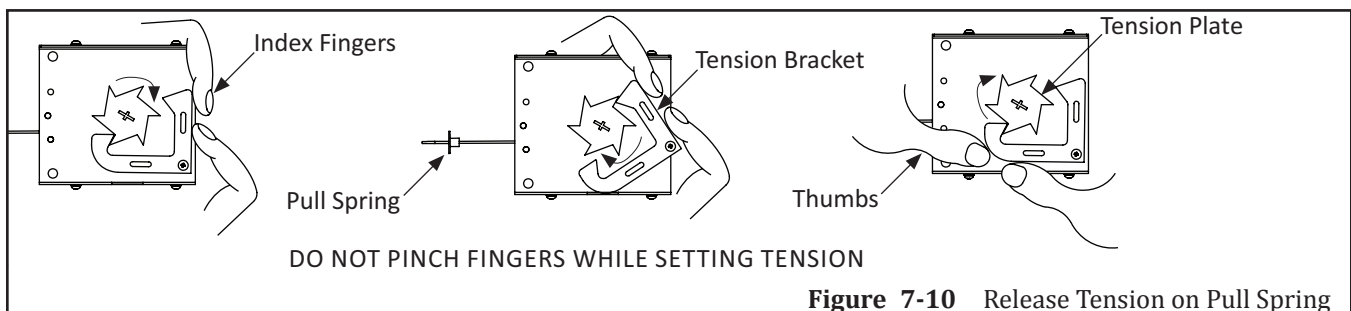


Figure 7-10 Release Tension on Pull Spring

- c. For more speed control, adjust the Rotary Damper.
 1. Turn the dial clockwise to increase damping.
 2. Turn the dial counterclockwise to decrease damping.

Section 7h: Fine Tune the Latching Speed

- ▶ To increase Latching speed:
 1. Move the Control Rack farther away from the Strike Jamb Tube.
 2. Adjust the Pull Spring and Rotary Damper after moving the control rack.
- ▶ To decrease Latching speed:
 1. Move the control rack closer to the Strike Jamb Tube.
 - a. Slide door will move faster before hitting the Control Rack.
 2. Adjust the Pull Spring and Rotary Damper after moving the Control Rack.

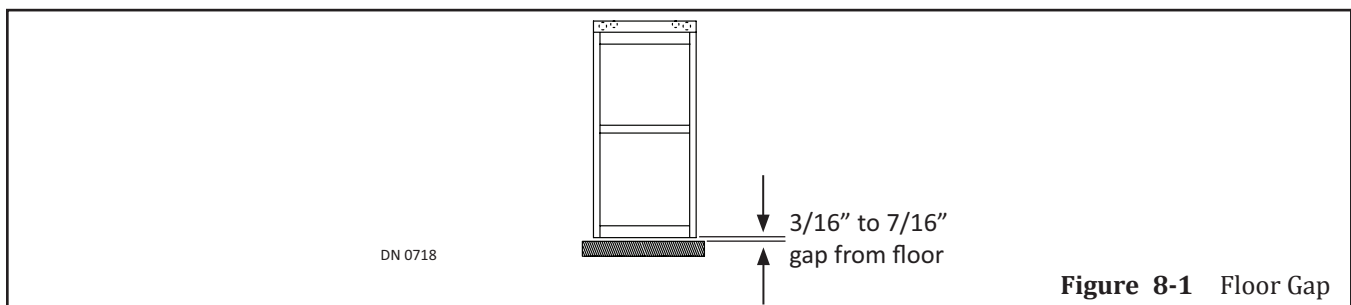
CHAPTER 8: ADJUSTMENTS

Section 8a: Adjust Height on Slide Door

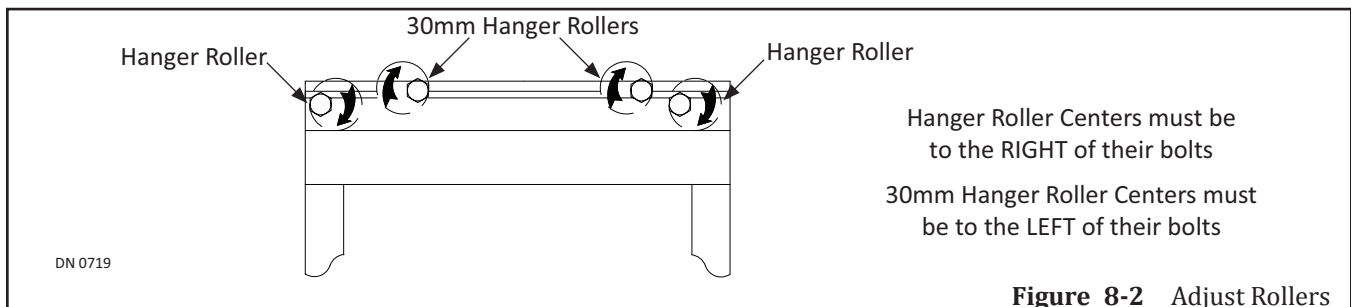
The appropriate gap between the Bottom Rail and the threshold can vary between 3/16 inch to 7/16 inch, with the nominal gap being 3/8 inch. Please see Figure 8-1.

Hanger Rollers are used to:

- ▶ Adjust the height of Slide door.
- ▶ Ensure Leading edge of Slide door and Sidelite Panel are parallel at the top or bottom.



1. Go to the Carrier. If Hanger Roller nut is tight, loosen it with a 1/2 inch Open End Wrench.
2. Keep Hanger Roller nut from turning with a 1/2 inch Open End wrench. At same time insert 5/32 inch Allen wrench into end of Hanger Roller. Please see Figure 8-2.



3. Turn Axle clockwise to raise or lower the Slide door.
4. Adjust the (2) Hanger Rollers located at each end of door first.

CAUTION

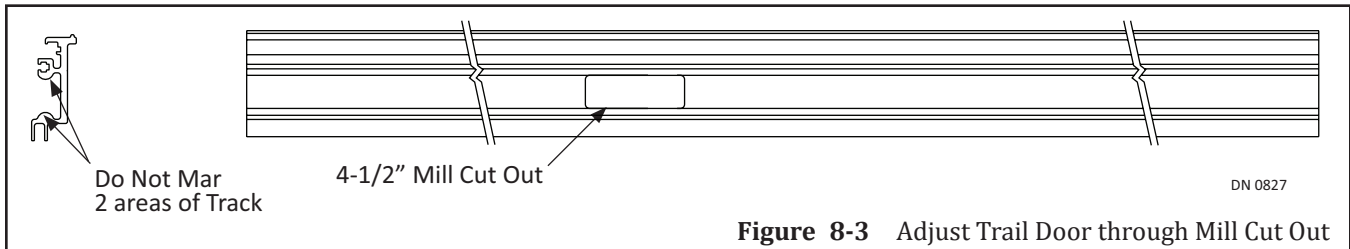
Do Not rotate the stud counter-clockwise. Doing so will unthread the Axle from the Hanger Roller assembly.

5. Check to ensure leading edge of door and (other door or Jamb tube) are parallel.
 - a. If gaps exist, make necessary adjustments to Hanger Rollers.
6. Insert 5/32 inch Allen wrench into end of Hanger Roller. Tighten nut with a 1/2 inch Open End wrench until the Hanger Roller is secured to the Carrier. Do not overtighten the nut.
7. Adjust Anti-Rise Rollers so they almost make contact with the top of Roller Track.
 - a. Gap should be about the same thickness of a credit card.

8. Tighten nut with a 1/2 inch Open End wrench until the Anti-Rise Roller is secured to the Carrier. Do not overtighten the nut.

8.a.a: Adjust Height on Trail Door through Mill Cut Out (Telescopic Units)

There is a 4-1/2 inch cutout located on the Roller Track directly behind the Hanger Rollers. Use 1/2 inch Wrench and a 5/32 inch Allen Wrench to make adjustments. Please see Figure 8-3.



Section 8b: For Units 54 Inches Wide (or greater) and/or over 200 Pounds

1. Locate the Nose Caster that was pre-installed within the Bottom Rail of each Door Panel at the NABCO Factory. Please see Figure 8-4.



2. With a 9/16 inch Open End Wrench loosen the 3/8-16 Hex Locknut used to secure the Nose Caster to the Bottom Rail of each Door Panel.
3. Turn the Nose Caster until it is lowered between 1/16 to 1/8 inch from the floor.
4. Position the Wheel so it is perpendicular to the Bottom Rail.
5. With a 9/16 inch Open End Wrench tighten the 3/8-16 Hex Locknut until the Nose Caster is secured to the Bottom Rail. Do not overtighten the nut.
6. Fully close each Door Panel.
7. Break open the Slide door to ensure the Door Panel does not hit or scrape the floor.
 - a. If a Door Panel hits or scrapes the floor lower the Nose Caster further.

Section 8c: Adjust Preload on Slide Door(s)

Note: Glass must be installed first before adjusting the Preload on Slide Door.

1. Support the weight of Slide Door. Then Breakout approximately 5 degrees.
 - a. Just enough to expose the Preload Adjustment Screw located on back edge of door.
 - b. Fixed sidelite must not come into contact with other doors.
2. Check for door sag. Please see Figure 8-5.

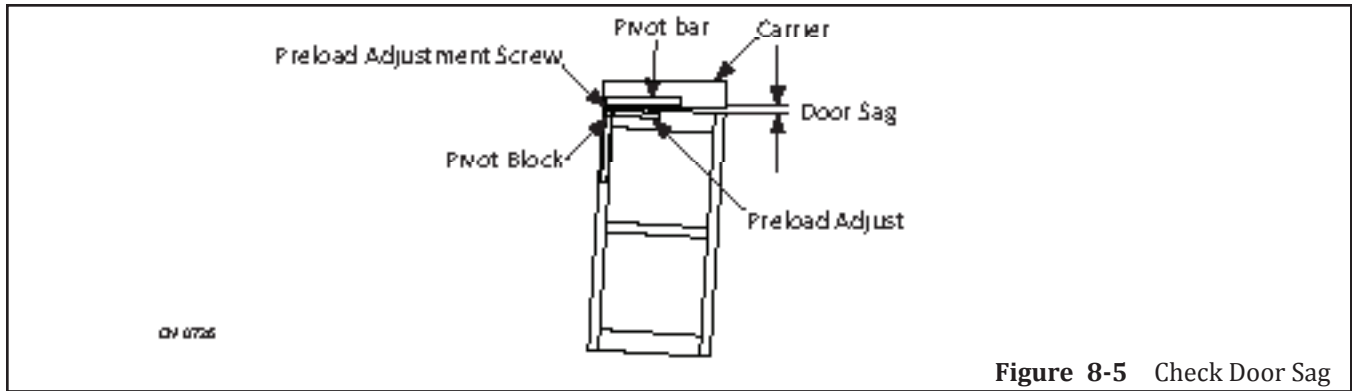


Figure 8-5 Check Door Sag

3. Go to the Preload Block located inside Top Rail. Please see Figure 8-6.
4. Loosen (2) Locking Bolts.
5. Go to the back edge of Pivot Stile. Reduce Door sag by tightening the 5/16 inch Adjustment Set Screw with an 5/32 inch Allen Wrench.
 - a. The Door should latch without having to be manually lifted.
 - b. Do Not allow the Adjusting Set Screw to protrude more than 5/32 inch past the end of stile.
 - c. If deemed necessary: an optional 1/2 inch Set Screw has been provided by NABCO.

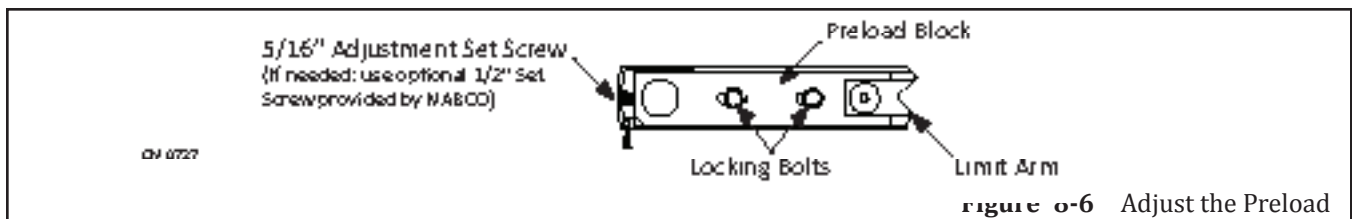


Figure 8-6 Adjust the Preload

8.c.a: Correct Preload Misalignment

If Preload results in a misalignment of the Strike end of the door and hanger; continue with the following instructions.

1. Loosen the Allen head fasteners in the pivot bar and slide the pivot bar in the hanger until the door and hanger are properly aligned. Please see Figure 8-7.
2. Verify that the panic catch in the top rail of the door and the hanger are still aligned.
3. If necessary loosen the set screws for the panic catch in the hanger and reposition to align with the panic catch in the top rail.

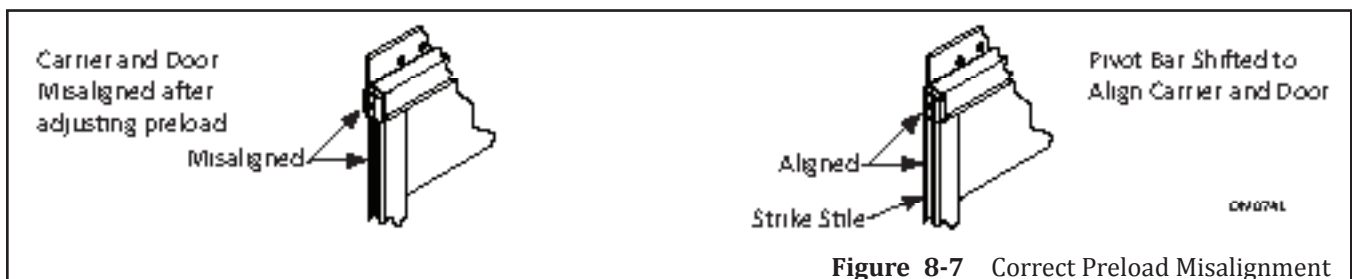


Figure 8-7 Correct Preload Misalignment

Section 8d: Adjust the Trail Door Bumper (3 Panel Unit)

(3) Slide door Bumpers installed at the NABCO Factory are located on the:

- ▶ Bottom of Header
 - To create a 4 inch finger guard space between the Lead door and Pivot Jamb Tube.
 - Does not need to be adjusted.
- ▶ Pivot Jamb Tube
 - To create a 1 inch finger guard space between the Trail door and Pivot Jamb Tube.
 - Does not need to be adjusted.
- ▶ Bottom of Header
 - To keep the Trail door from sliding past the Lead door and hitting the Strike Jamb Tube.
 - May need to be adjusted.

1. Go to the Nut Chase located inside the Header. Locate the Trail Door Bumper. Please see Figure 8-8.
2. With a #2 Phillips Screwdriver loosen (2) nuts located on the Trail door Bumper.
3. Slide the Trail door Bumper to the left or to the right of Nut Chase until the Strike Stile (on Trail door) properly overlaps the Pivot Stile (on Lead door):
 - ▶ 4.25 inches for Medium Stiles.
 - ▶ 2.25 inches for Narrow Stiles.

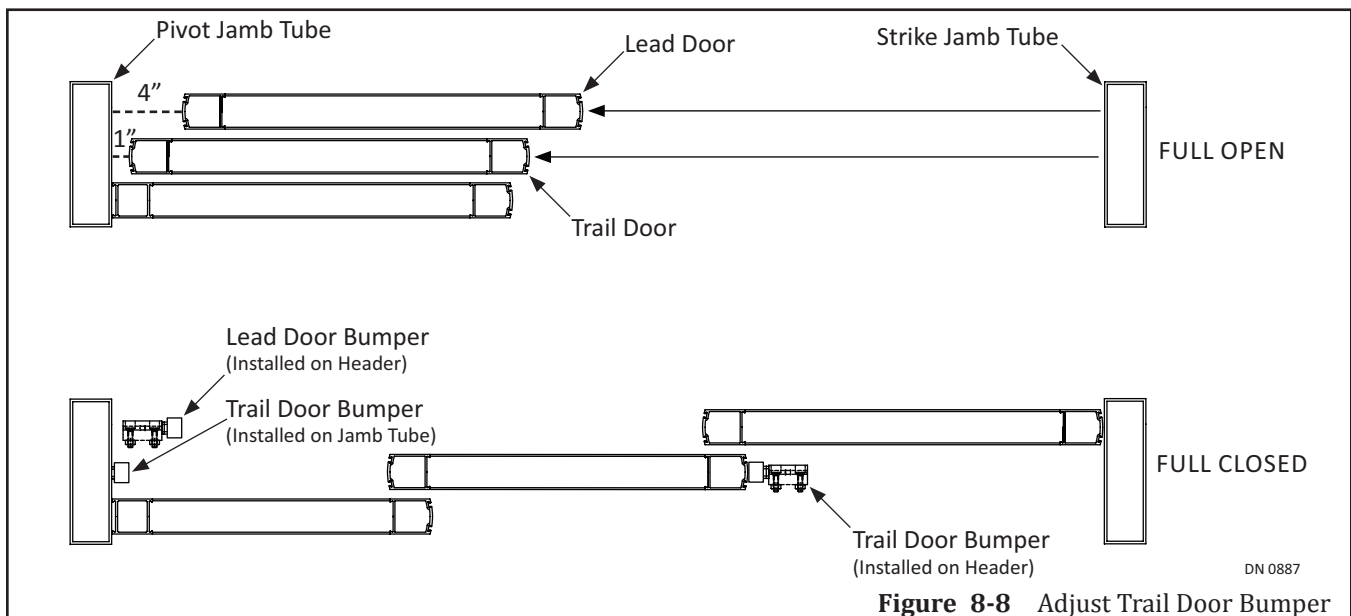
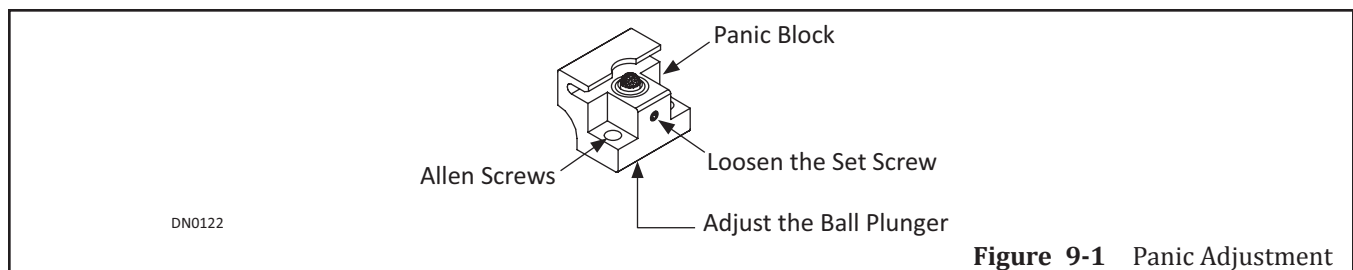


Figure 8-8 Adjust Trail Door Bumper

CHAPTER 9: PANIC ADJUSTMENT

Section 9a: Adjust the Ball Plunger

1. Breakout the Slide door.
 - a. Slide Door may have to be lifted.
 - b. Top rail may have to be hit with a rubber mallet. In that event, protect the surface first.
2. Remove (2) 1/4-20 x 1-1/4 inch Socket screws that are used to secure the Allen Block to the Top Rail. Please see Figure 9-1.



3. Loosen the Set screw that is located in front of the Panic Block.
 - a. Adjust the Ball plunger down, so Panic Catch does not engage if Panic Hardware is used.
4. Raise or lower the Ball plunger located underneath the Panic Block.
 - a. The Ball plunger must be adjusted for proper breakout resistance to meet ANSI A156.10 code or local code.
5. Tighten the Set screw.
6. Reinstall the Panic Block and tighten the two Allen screws that were saved for reinstallation.
 - a. Save Allen screws.
7. Repeat steps 1-6 until the Ball Plunger is properly adjusted.
8. Perform steps 1-7 for the Trail Door and Sidelite Panel.

CHAPTER 10: INSTALL WEATHERING (SMOKE SEAL UNITS)

FOR UNITS WITHOUT "SMOKE SEAL" SKIP TO CHAPTER 11

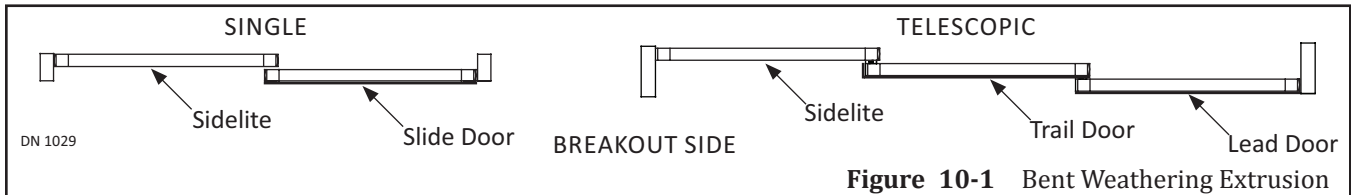


Figure 10-1 Bent Weathering Extrusion

Section 10a: Slide Door or Lead Door

Note: Ensure the Brush Holder is level and square before securing to doors.

1. Obtain (1) Brush Holder and (1) Vinyl provided by NABCO.
2. Install the Vinyl by sliding it into the Brush Holder.
3. Secure the Brush Holder against the Bottom Rail of Slide door or Lead door with (3) #6 x 1/2 inch self tapping screws. Please see Figure 10-2.

Section 10b: Trail Door

Note: Ensure the Brush Holder is level and square before securing to doors.

1. Break out the Lead door.
2. Secure the (1) Bent Brush Holder against the Bottom Rail of Trail door with (3) #6 x 1/2 inch self tapping screws. Please see Figure 10-2.

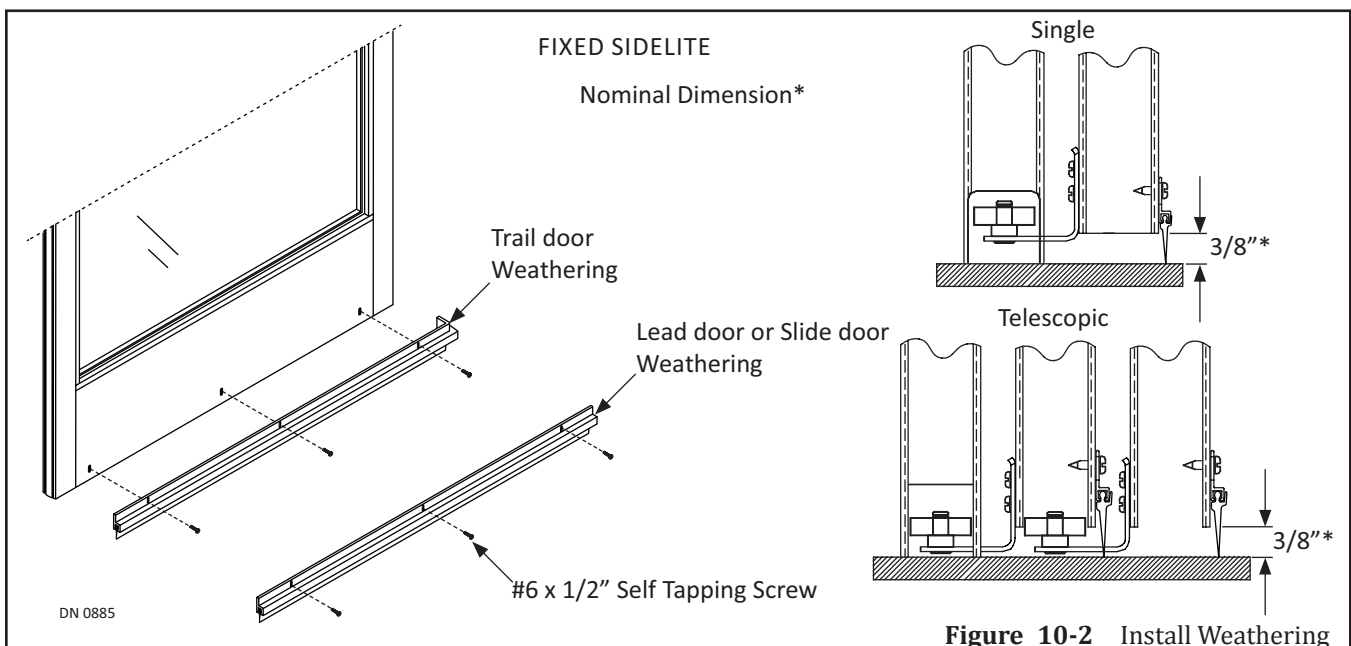
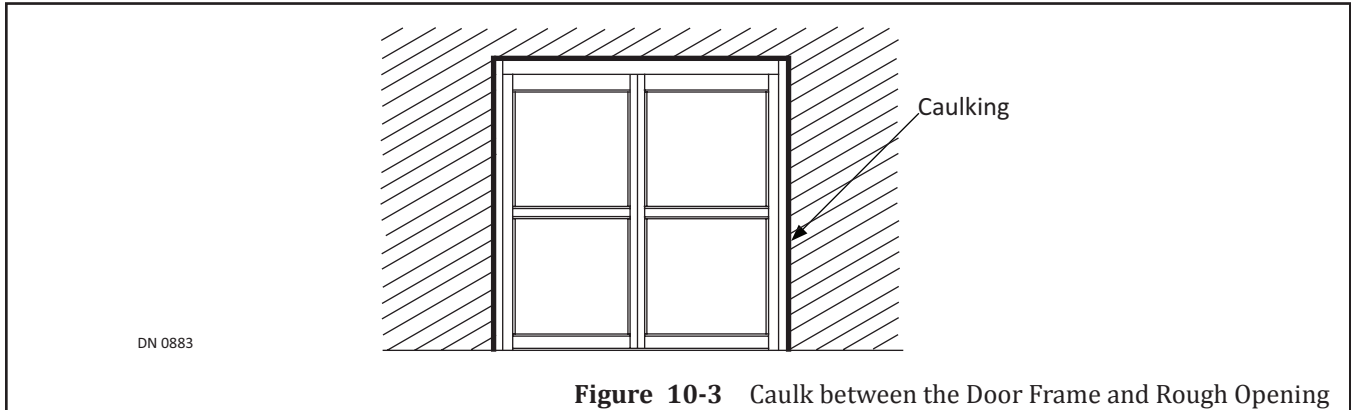


Figure 10-2 Install Weathering

Section 10c: Apply Caulking Bead

1. Ensure the entire Door Frame is properly secured to the Rough Opening.
2. Apply caulking bead between the Door Frame and Rough Opening (inside and outside). Please see Figure 10-3.



CHAPTER 11: INSTALL THE SLIDE DOOR HANDLE

1. Obtain the Slide door handle Kit which consists of (1) Handle, (1) Recessed Door Pull, (1) Handle Bracket, (2) 1/4-20 x 1/2 inch Hex Socket Cap screws, and (2) #8-32 x 1 inch Phillips Flat Head screws. Please see Figure 11-1.
2. Open the Slide door. Go to the Non-Breakout side of opening.
3. Insert the Handle Bracket inside the Strike Stile cut out. Hold in place.
4. Go to the Breakout side of the opening. Butt the Handle against the Handle Bracket.
5. Line up the screw holes. Hold in place.
6. Secure the Handle to the Handle Bracket with (2) 1/4-20 x 1/2 inch Hex Socket Cap screws on the Non-Breakout side of the opening.
7. Stay on the Non-Breakout side of the opening and close the Slide door.
8. Secure the Recessed Door Pull to the Handle Bracket with (2) #8-32 x 1 inch Phillips Flat Head screws.

