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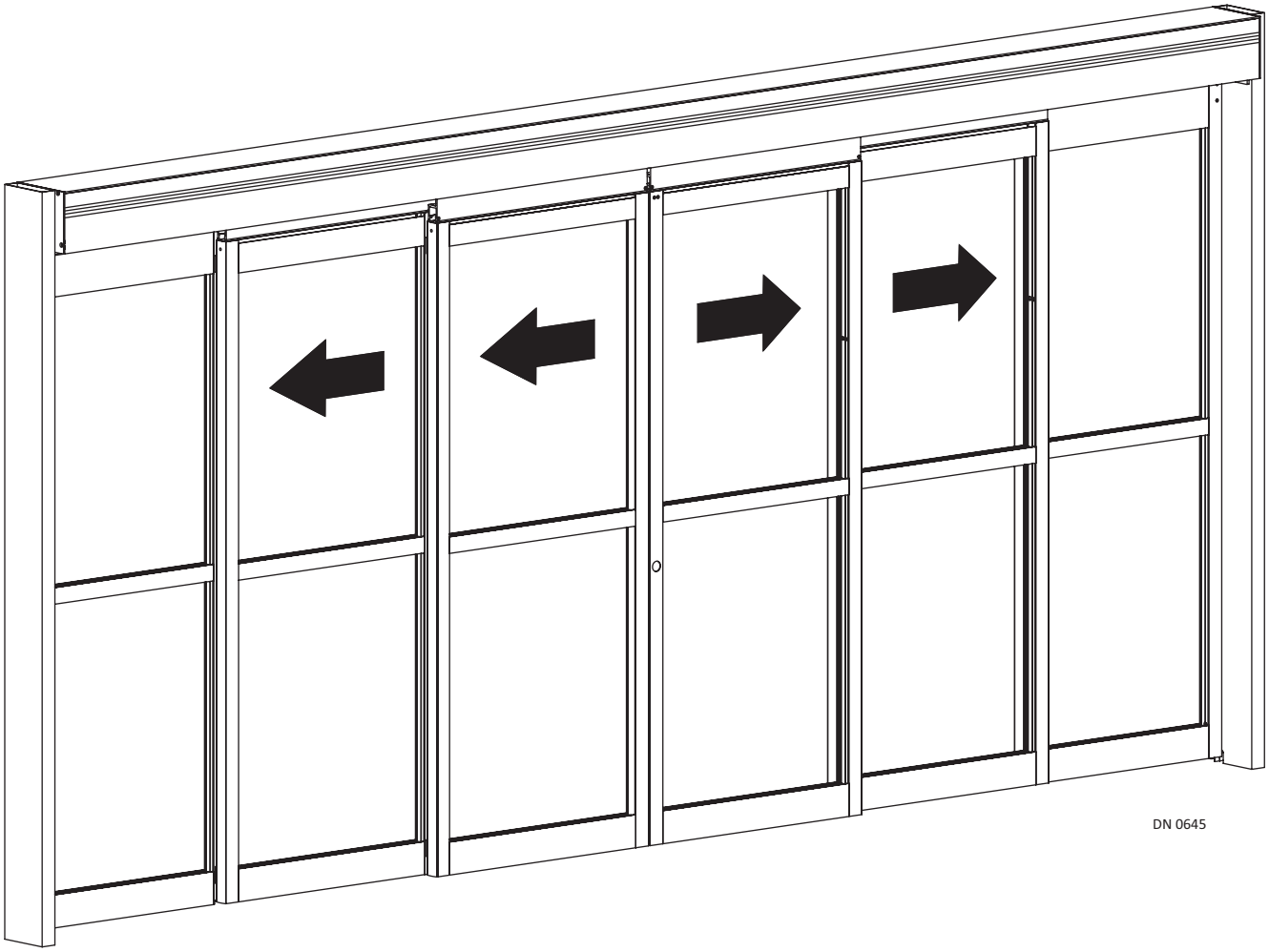
GT-1175 Telescopic Slide Door System
Installation Manual



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 #15-10237
Rev. 1/19/15

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Table of Contents

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 this "General Safety Recommendations" section before installing, operating or servicing the automatic door. Failure to follow these practices may result in serious consequences.**

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.**

WARNING **Do not install, operate or service this product unless you have read and understand the General Safety Recommendations, Warning Labels, Installation and Operating Instructions contained in this manual. Failure to do so may result in bodily injury, or property damage.**

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

- 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.
- Disconnect power at the fused disconnect during all electrical or mechanical service. When uncertain whether power supply is disconnected, always verify using a voltmeter.
- All electrical troublshooting or service must be performed by qualified electrical technicians and must comply with all applicable governing agency codes.
- It is the responsibility of the installing door technician to install all warning and instructional labels in accordance with ANSI 156.10.
- 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 distrubutor is unknown, contact NABCO Entrances, Inc. at 1-877-622-2694 for assistance.

DANGER **Do not place finger or uninsulated tools inside the electrical controller. Touching wires or other parts inside the enclosure may cause electrical shock, serious injury or death.**

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 complies with any applicable standards. In the United States, ANSI Standard 156.10 is used to cover the GT-1175 Telescopic Slide door system. Other local standards or codes may apply. Use them in addition to the ANSI standards. The GT-1175 Telescopic Slide door system is listed with the Underwriters Laboratory and is identified accordingly on the label.

Instruct the building owners and operator on the essentials of the operation of the GT-1175 Telescopic Slide door system. 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.

Section 1b: Objective

The GT-1175 Telescopic Slide door system is designed to be installed within the frame of the door opening. The door function is controlled by the U30 Microprocessor Controller.

This manual offers step by step instructions.

CHAPTER 2: GETTING STARTED

The GT-1175 Telescopic Slide Door system is the perfect solution for limited spaces. This system combines space-saving versatility with the elegant look of a large clear door opening. With a 54% door opening to frame width, it provides an unprecedented 25% more door opening than a standard bi-part slider. Because it has a faster opening and closing cycle, it can reduce heat loss by up to 50% when used to upgrade a swing door.

The 1175 Telescopic Slide Door System, is available in three-panel single slide or six panel bi-parting configurations with the following standard options:

- Full breakout
- Fixed Sidelite

Section 2a: Parts of the Header

No matter the configuration, contents of the Header always stay the same. However, recent changes that were made to improve operation are not. The U-30 Microprocessor system has been updated to be compatible with a new Idler. Methodology for tightening and adjusting the new belt system has also changed.

Updates to the 1175 Telescopic Slide Door System will be addressed in detail within this manual and/or within manuals listed in "Section 2e: References". Please see Figure 2-1 and Table 2-1.

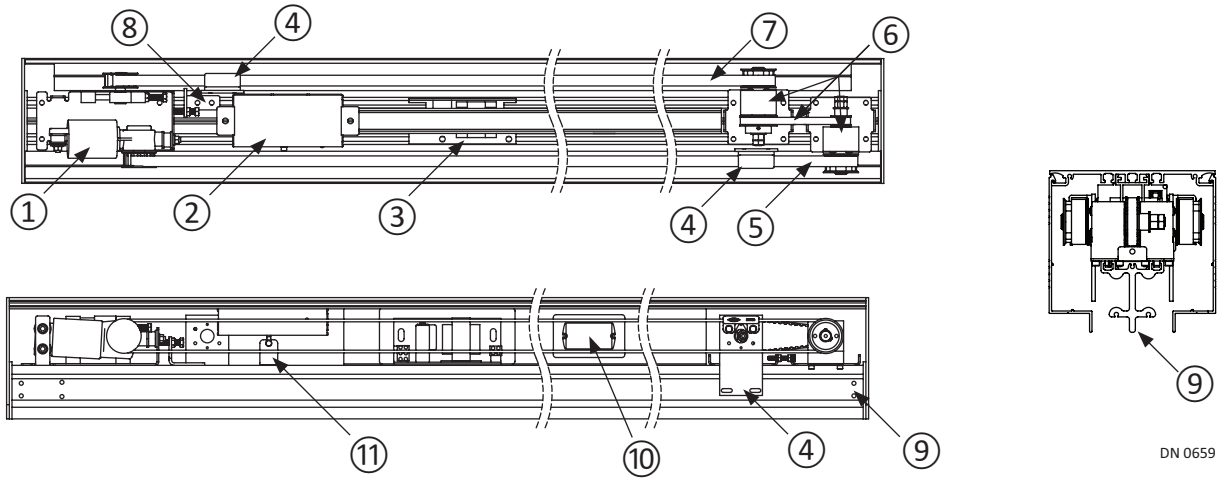


Figure 2-1 Contents of Header

Table 2-1 Header Configuration

1. Motor Operator Assembly
2. U30 Microprocessor Controller
3. Power Supply
4. Belt Clip Assembly (Front/Top views)
5. Lead Door Drive Belt
6. 2:1 Speed Reducer Assembly
7. Trail Door Drive Belt
8. Belt Tension Bracket Assembly
9. Anti Rise Roller Track
10. Optex Control Box
11. Handy Terminal Connector

Section 2b: Specifications

Note: Electrical conduit and switch or sensor wires should be pulled through the frame before mounting the GT1175 System.

Note: To prevent electrical interference for the 120 Vac Line, always route 120 Vac Power in from the end of the header that is opposite to the controller and motor/operator. Refer to electrical manual P/N 15-10596-30 for more information.

2.a.a: Electrical Specifications

Power Input	120 (±10%) AC 50-60Hz, 10 Amps
Available current for accessories	U Series Control 0.35 Amps 12 Volts DC
Available wire size for incoming power	14 AWG

2.a.b: Required Tools

► Box or Open End Wrench	► Phillips Screwdrivers
• 1/2" (2) Required	• #2 and #3
• 7/16" and 9/16"	► Slotted Screwdrivers
• 15/16" (Open End)	• Small and Medium and Large
► Drive Socket Wrench	► Hand Drill
• 3/8"	• Electric and Cordless
► Socket	► Drill Bits
• 7/16" and 3/8" and 9/16"	• 1/8" and 7/32"
► Socket Extension	• 1/4" Masonry
• 6"	• 3/8 x 82 Degree Countersink
► Allen Wrenches	► Broom
• 1/8" and 3/32" and 3/16" and 5/32"	► Tape Measure
► Bob for plumbing	► Level (laser type preferred)

Section 2c: Wiring

Please refer to the "Electrical Installation Manual *Sliders*", Part Number 15-10596-30; for detailed wiring diagrams.

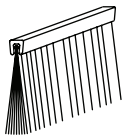
Section 2d: Microprocessor Control

The Microprocessor Control has been designed to control the numerous operating characteristics of the slide door system including speed, recycling sensitivity and reduced door opening width. It will need to be programmed after installation is complete. For detailed information, please refer to the "U30 Controller Setup and Programming Manual" Part Number 15-9000-30.

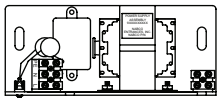
Section 2e: References

- Model GT-1175 Electrical Installation Manual w/U30 Microprocessor Controller, P/N 15-10596-30.
- U30 Controller Setup and Programming Manual; P/N 15-9000-30.

Section 2f: Common Replacement Parts

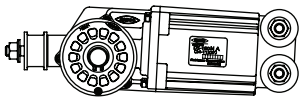


Weathering Brush
1" 14-8999-1
1-1/2" 14-8999-90

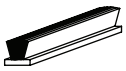


Power Supply
14-11741

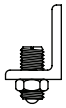
Microprocessor Control Box
24-8901-30



DS-10 Motor/Operator Assy
24-11327

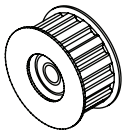


Weathering Pile
1/2" 14-8999-60

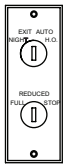


Ball Detent Assembly
12-9082

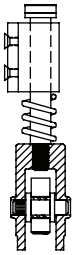
Magnet Sensor
(Not Shown)
22-9222



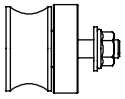
Idler Pulley Assembly
11-11701



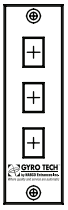
Dual Key Switch - U30
14-11876



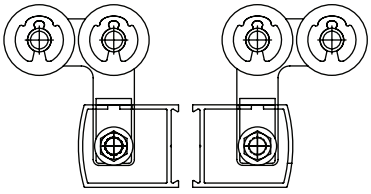
Full Open Bottom Guide
21-9013



Hanger Roller
12-10027



Rocker Switch Assembly - U30
14-1187



Left Hand
Fixed Sidelite
Bottom Guide
21-9046-20

Right Hand
Fixed Sidelite
Bottom Guide
21-9046-10

DN 0713

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 on each side

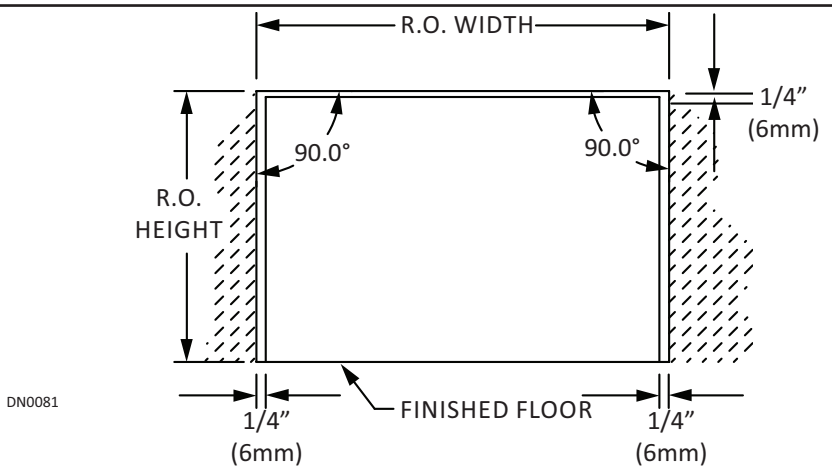


Figure 3-1 Masonry Opening

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

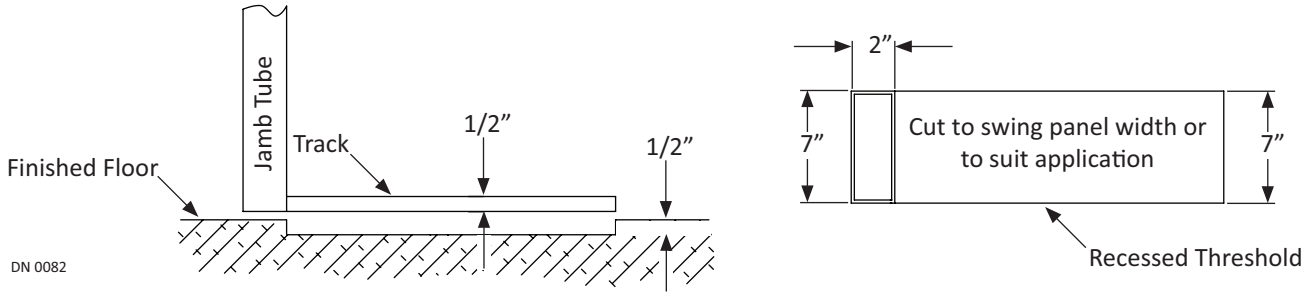


Figure 3-2 Ensure Channel is Level for Recessed Floor Track

CHAPTER 4: INSTALL FRAME (WITHOUT TRANSOM)

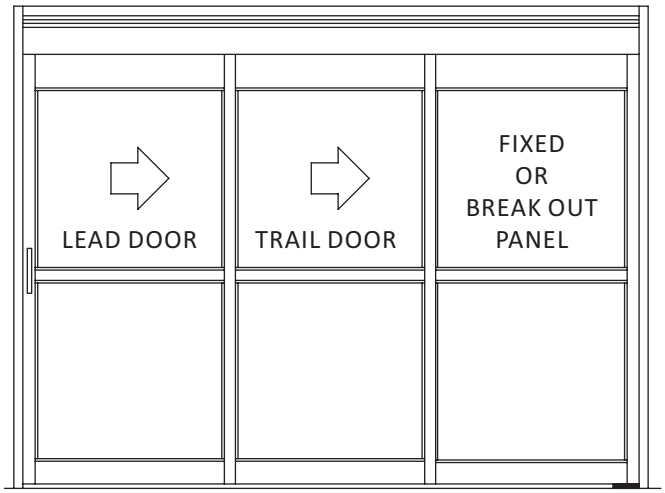


Figure 4-1 1175 Telescopic Slide Door System without Transom

Section 4a: Assemble Header to Jamb Tubes

1. The Telescopic Slide door system has (2) removable covers, one on each side of the Header. Look underneath both covers to locate a pre-drilled hole for the Breakout Switch and a notch at the far end. Please see Figure 4-2.

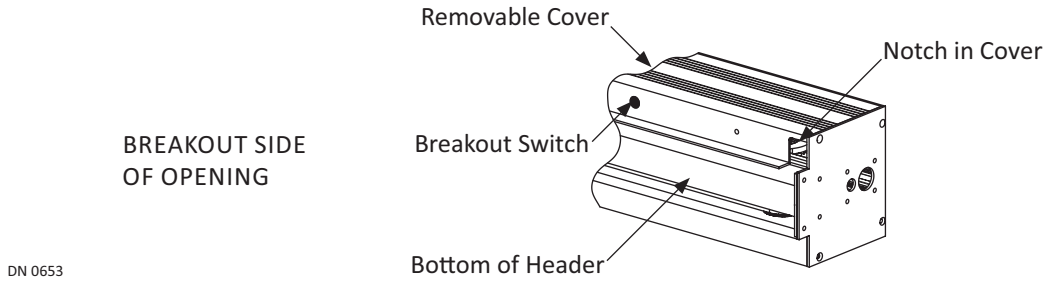


Figure 4-2 Removable Cover with Breakout Switch and Cover (Full Open Header Shown)

2. Place the Header on a flat surface with the notched cover on the top.
   a. Protect Header from scratches.
3. Ensure the bottom of Header is facing towards the wall opening.
4. Remove screws that are used to secure the Cover to the Header located underneath.
   a. Save screws for reinstallation.
5. Remove the Cover by lifting it up from Header, and then pulling it out. Please see Figure 4-3.

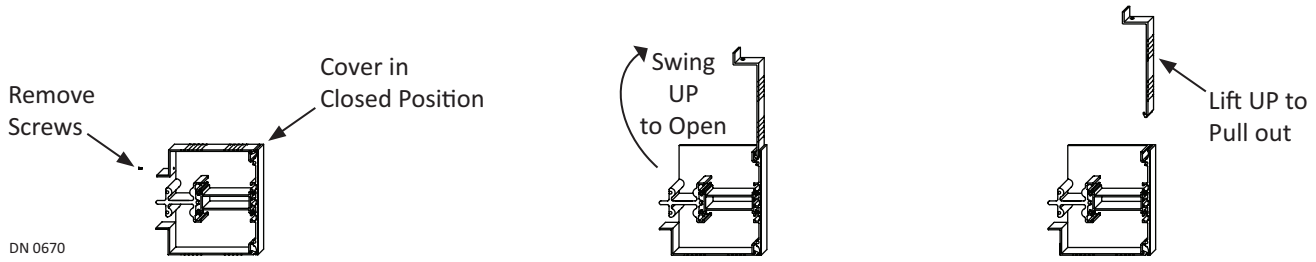


Figure 4-3 Remove Header Cover

6. Remove Parts box and/or Parts bags from inside Header. Set aside.

7. Remove (1/4-20 x 3/4 inch) 4 bolts and star washers that were screwed inside the rivnuts from each Jamb, plus (2) 4 bolts and star washers that were screwed inside the rivnuts from each side of the Roller Track located within the Header.
   a. Save hardware for reinstallation.

8. Each Jamb tube has a notch located at the bottom for bottom pivots. Lay both Jamb tubes on the floor so the notch is at the top and on the inside of the Frame. Please see Figure 4-4.

9. Both the Cover with the Notch and Jamb Tube with the Notch must both be on the top.
   a. If assembled correctly, the Jamb tubes will approximately be 1-5/8 inch from the floor.

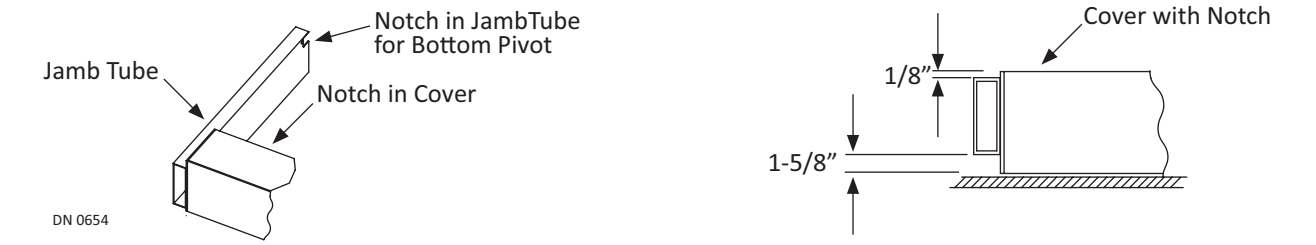


Figure 4-4 Ensure Notch on each Jamb Tube is at the top

10. Orientate the Frame in relation to the building. Please see Figure 4-5.
    - ▶ Fixed Sidelite
      - Frame must be positioned to the **Exterior**.
    - ▶ Full Open
      - Frame must be positioned to the **Interior**.

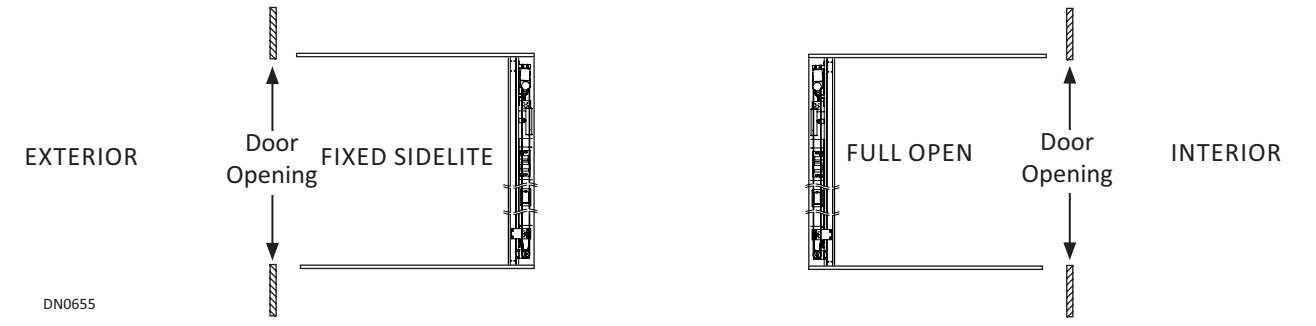


Figure 4-5 Layout Header and Jamb Tubes

11. Secure Header to each Jamb tube with (1/4-20 x 1 inch) bolts and star washers that were saved by inserting them through access holes in Jamb tubes then into pre-installed rivnuts. Please see Figure 4-6.

12. Secure Header to each Jamb tube with (1/4-20 x 1 inch) bolts and star washers by inserting them through the end cap and into pre-installed rivnuts.

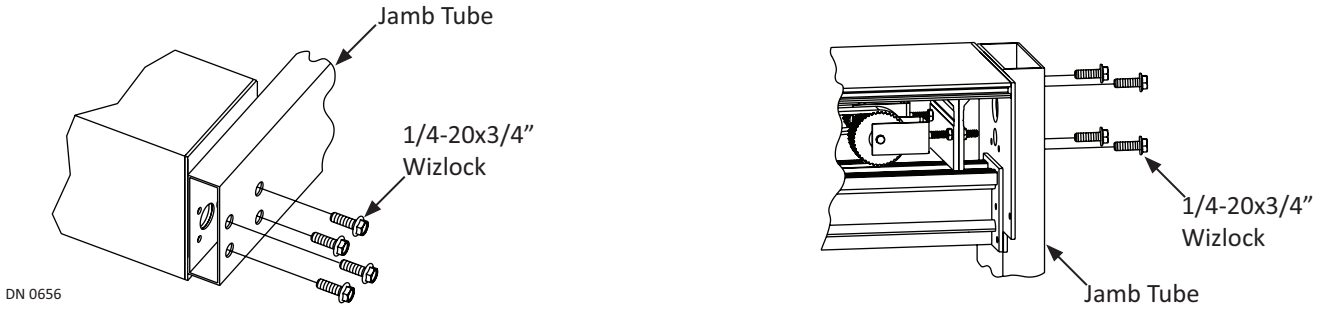


Figure 4-6 Secure Header to Jamb Tubes

Section 4b: Secure Frame to Building

1. Lift to position assembled Frame into the rough opening.

2. Plumb Jamb tubes in both planes to ensure the rough opening allows a 1/4 inch clearance. Please see Figure 4-7.
   a. Shim back of Jamb as required.

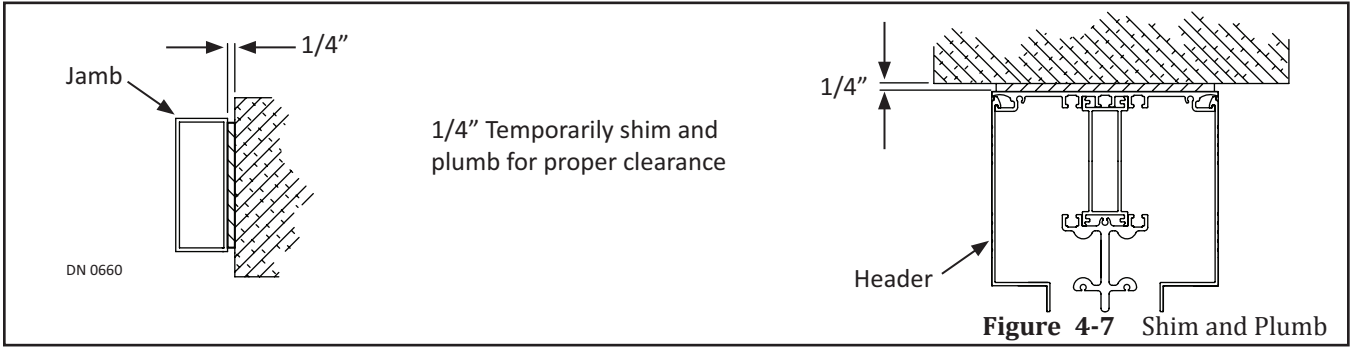


Figure 4-7 Shim and Plumb

3. Plumb Header at the top to ensure the rough opening allows a 1/4 inch clearance.
   a. Shim top of Header as required.

Note: It is recommended to countersink holes as required to flush the surface.

Note: It is recommended to drill tap threads for 1/4 inch 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, the Header must be secured 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.b.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 must be appropriate for the type of structure being fastened into. Anchors are not provided by NABCO. Please see Figure 4-8 and Figure 4-9.

4.b.b: Anchor Placement for Jamb Tube

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 must be appropriate for the type of structure being fastened into. Anchors are not provided by NABCO. Please see Figure 4-8 and Figure 4-9.

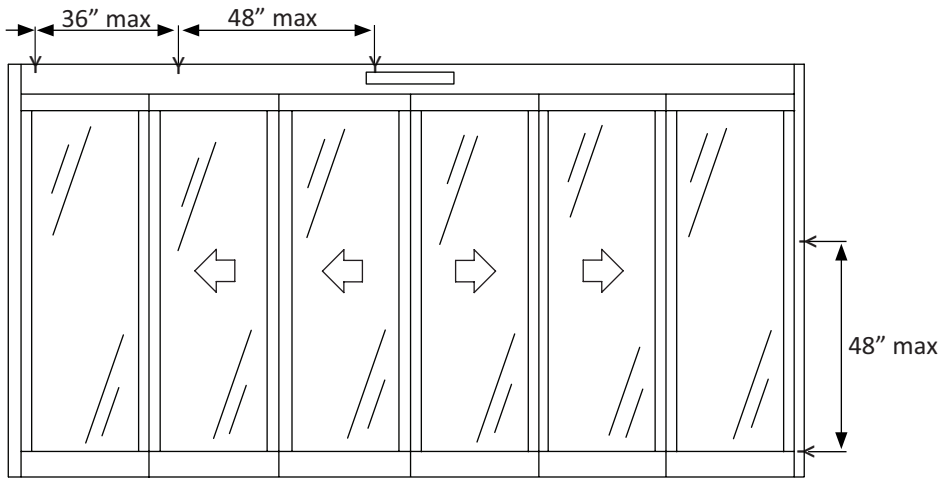


Figure 4-8 Anchor Placement

4. Secure Frame to rough opening with anchors. Please see Figure 4-9.
   a. Ensure each visible anchor is flush to the Jamb tube.
   b. Do not overtighten anchors to prevent deforming Jamb tubes.
   c. Ensure anchor heads do not come in contact with edges of glass to prevent breakage.

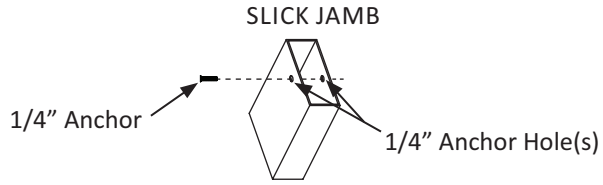


Figure 4-9 Secure Jamb Tubes to Rough Opening with Anchors

5. Secure Header cover with the (2) screws that were saved for reinstallation.

CHAPTER 5: INSTALL FRAME (WITH TRANSOM)

Note: Please call Customer Service at 1-888-679-3319 to special order a reinforced Transom with Tie Rods, for a Frame/Transom assembly that is over 11 feet (132 inches) tall.

The Transom is an area above the Header which can be comprised of glass, aluminum panels, etc. It is installed on top of the Header when glass windows (or panels) are placed above the doors. Please see Figure 5-1.

The Transom consists of five major parts:

- Transom Horizontal
  - Secured between Jamb tubes, then to building structure at top of rough opening.
- Transom Vertical (also known as a Mullion)
  - Used to divide portions of the Transom where glass is inserted into, and to also secure the Transom Horizontal to Header.
- Transom Clip
  - Installed on the Header and Horizontal Transom to secure the Transom Verticals.
- The Glass Stop Assembly
  - A retaining strip mounted vertically or horizontally on a door or transom to hold glass or panels in place.
- Glass

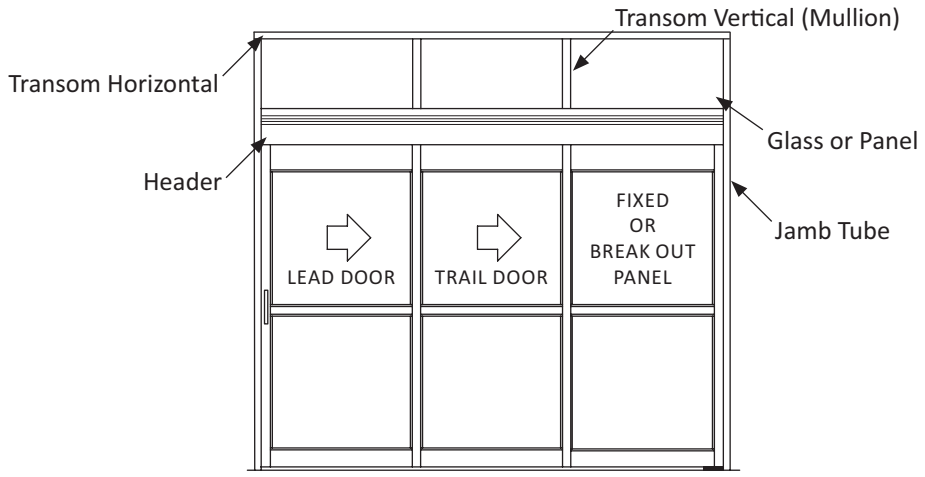


Figure 5-1 1175 Telescopic Slide Door System with Transom

Section 5a: Assemble the Transom to the Header

1. The Telescopic Slide door system has (2) removable covers, one on each side of the Header. Look underneath both covers to locate a pre-drilled hole for the Breakout Switch and a notch at the far end. Please see Figure 5-2.

2. Place the Header on a flat surface with the notched cover on the top.
   a. Protect Header from scratches.

3. Ensure the bottom of Header is facing towards the wall opening.

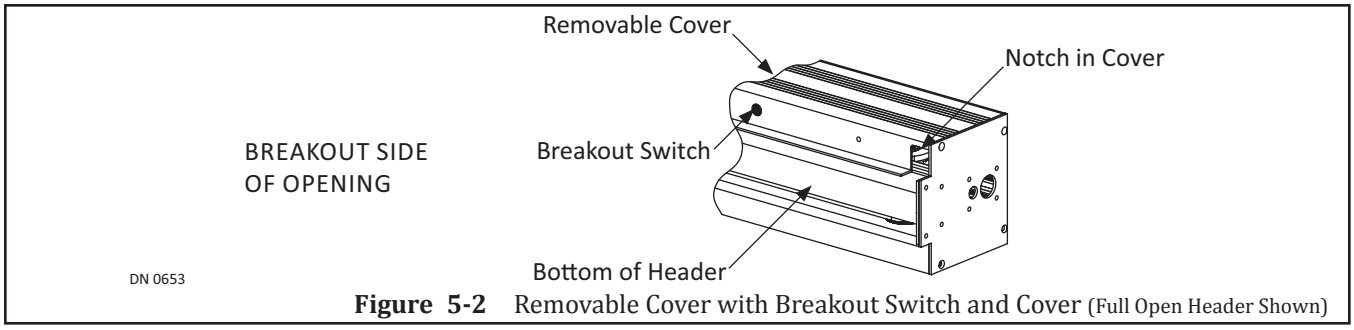


Figure 5-2 Removable Cover with Breakout Switch and Cover (Full Open Header Shown)

4. Remove screws that are used to secure the Cover to the Header located underneath.
   a. Save screws for reinstallation.

5. Remove the Cover by lifting it up from Header, and then pulling it out. Please see Figure 5-3.

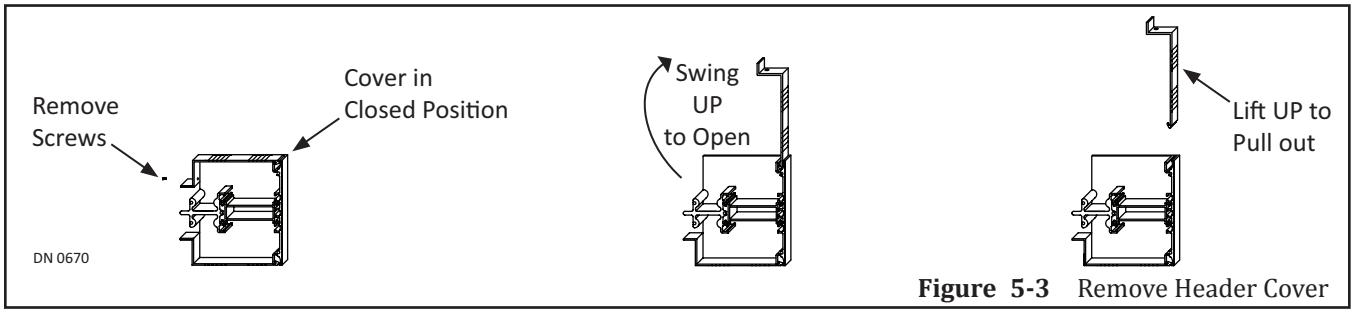


Figure 5-3 Remove Header Cover

6. Remove Parts box and/or Parts bags from inside Header. Set aside.

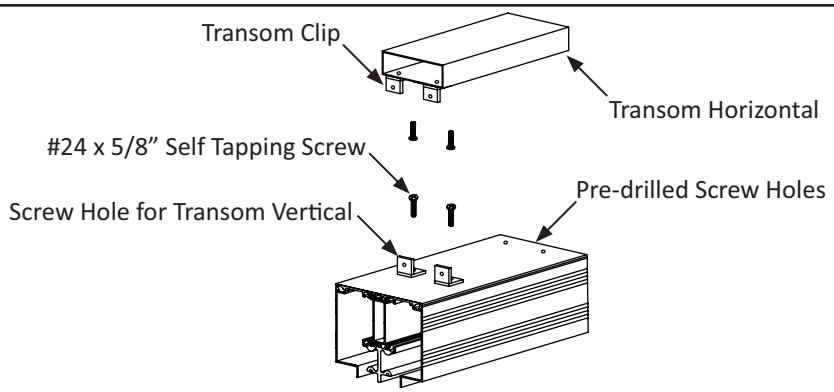
7. Obtain all sets of Vertical Transom clips and #8 x 5/8 inch Self Tapping screws that were provided by NABCO.

8. Locate pre-drilled holes on both the top of Header and bottom of the Transom Horizontal. Please see Figure 5-4.

9. Line up each Transom Clip so the screw hole that is used to secure the Transom Vertical butts up against the inside Transom Vertical wall that has the pre-drilled screw hole.
   a. Transom Clips are inserted inside the Transom Verticals.

10. Secure Transom Clips to the Header and Transom Horizontals with #8 x 5/8 inch Self Tapping screws that were provided by NABCO.
    a. Only (1) #8 x 5/8 inch Self Tapping screw is provided per Transom Clip.
    b. Reserve the (2) sets of Transom Clips located at each end of the Transom Horizontal for the Jamb Tubes.

NOTICE: Location of Transom Clips are designated per the pre-drilled screw holes.



DN 0671

Figure 5-4 Secure Transom Clips to Header and Transom Horizontal

11. Slide (1) Transom Vertical onto (1) Transom clip located on the Header. Please see Figure 5-5.

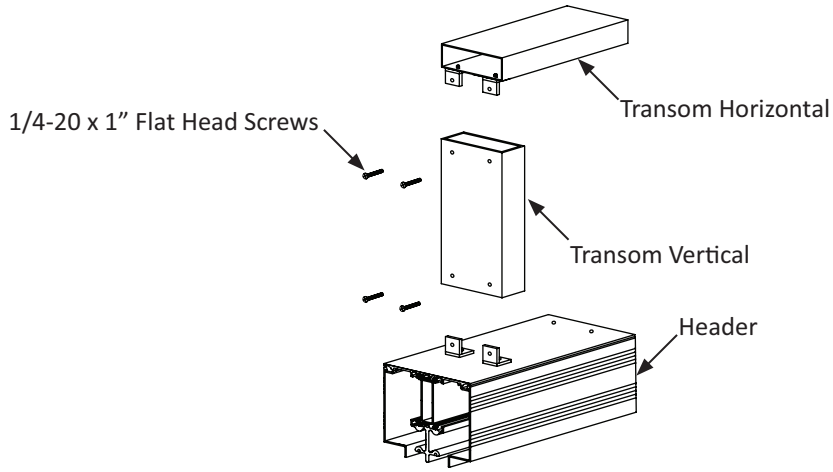
12. Secure each Transom Vertical to the Header with 1/4-20 x 1" Flat Head screws (Colored) that were provided by NABCO.

13. Align the Transom Clips on the Transom Horizontal with the Transom Verticals.

14. Lower the Transom Horizontal until the Transom Clips are inside the Transom Verticals.

15. Secure each Transom Vertical to the Transom Horizontal with 1/4-20 x 1" Flat Head screws (Colored) that were provided by NABCO.

NOTICE: Location of Transom Clips are designated per the pre-drilled screw holes.



DN 0672

Figure 5-5 Secure Transom Vertical to Transom Clip

Section 5b: Install Jamb Tubes to Horizontal Transom and Header

1. Remove (1/4-20 x 3/4 inch) 4 bolts and star washers that were screwed inside the rivnuts from each Jamb.
   a. Save hardware for reinstallation.

2. Remove (1/4-20 x 3/4 inch) 4 bolts and star washers that were screwed inside the rivnuts from each side of the Anti-Rise Track located within the Header.
   a. Save hardware for reinstallation.

3. Each Jamb tube has a Bottom Pivot notch located at the bottom. Lay both Jamb tubes on the floor so the notch is at the top. Please see Figure 5-6.
   a. Both the Notched Cover and Notched Jamb Tube must be on the top.

4. Ensure that the Jamb Tubes are assembled correctly. Measure the distance between the floor and Jamb Tube. The distance should approximately be 1-5/8 inch. Please see Figure 5-6.

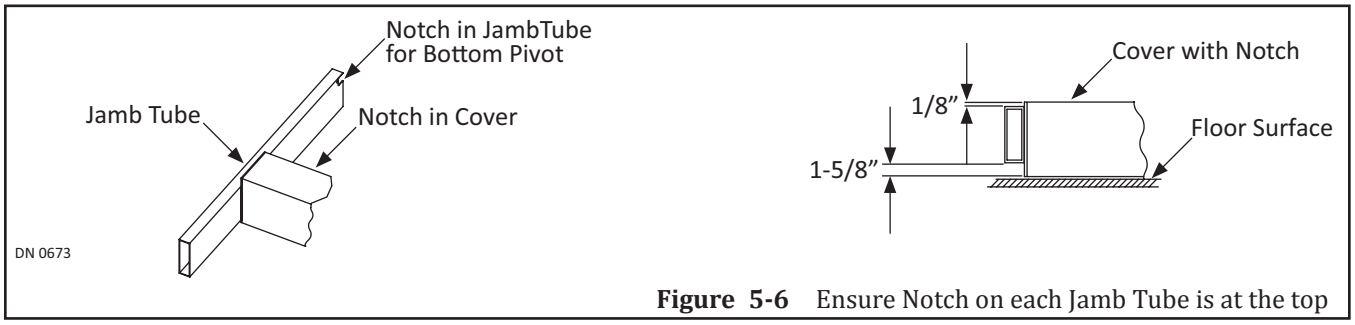


Figure 5-6 Ensure Notch on each Jamb Tube is at the top

5. Orientate the Frame in relation to the building. Please see Figure 5-7:
   - ▶ Fixed Sidelite
     - Frame must be positioned to face the **Exterior**.
   - ▶ Full Open
     - Frame must be positioned to face the **Interior**.

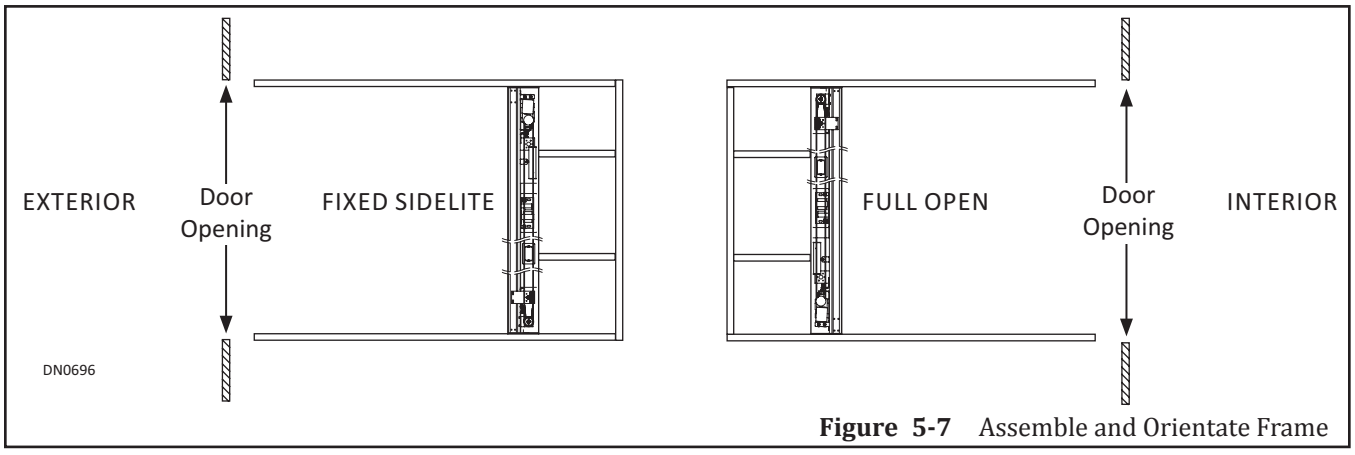


Figure 5-7 Assemble and Orientate Frame

6. Slide the Transom Clips secured to Jamb Tube into the Transom Horizontal. Please see Figure 5-8.

7. Secure each Jamb Tube to either side of the Horizontal Transom with #8 x 1 inch Pan Head screws that were provided by NABCO.

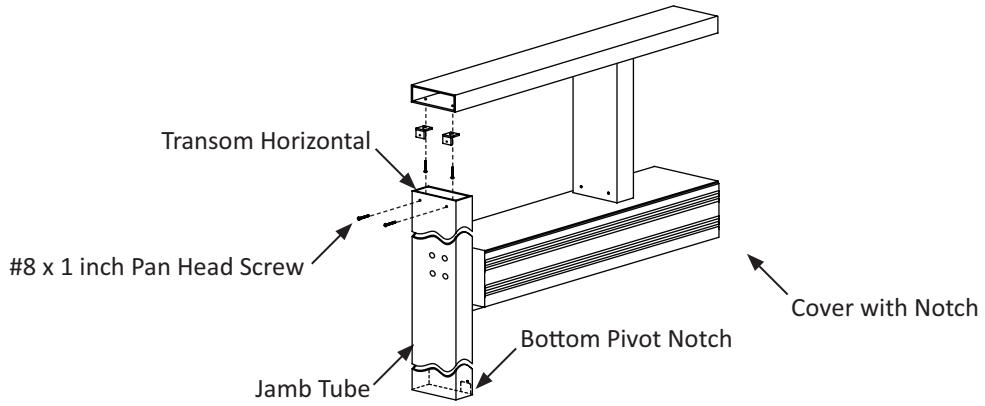


Figure 5-8 Secure Jamb Tubes to Horizontal Transom

8. Secure the Header to each Jamb tube with (1/4-20 x 1 inch) bolts and star washers by inserting them through the access holes and then into pre-installed rivnuts. Please see Figure 5-9.

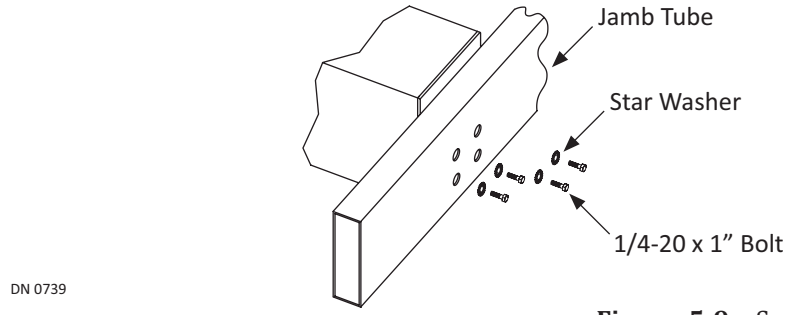


Figure 5-9 Secure Header to Jamb Tubes

Section 5c: Secure Frame/Transom Assembly to Building

1. Lift to position assembled Frame into the rough opening.

2. Plumb Jamb tubes in both planes to ensure the rough opening allows a 1/4 inch clearance. Please see Figure 5-10.
   a. Shim back of Jamb as required.

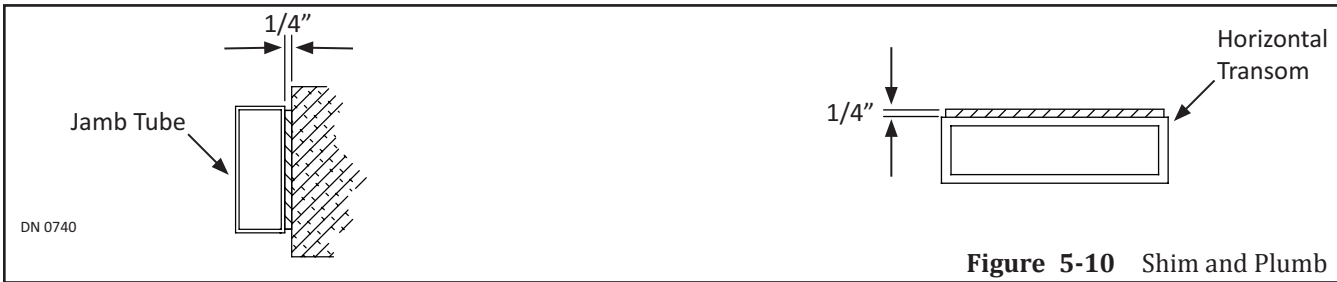


Figure 5-10 Shim and Plumb

3. Plumb Transom Horizontal at the top to ensure the rough opening allows a 1/4 inch clearance.
   a. Shim top of Transom Horizontal as required.

Note: It is recommended to countersink holes as required to flush the surface.

Note: It is recommended to drill tap threads for 1/4 inch 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, the Header must be secured 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.

5.c.a: Anchor Placement for the Horizontal Transom

Use 1/4 inch diameter anchors with a minimum of 3 per Transom tube, maximum is 48 inches on center. Anchoring is required within 8 inches of all vertical mullions. Drill 1/4 inch diameter holes in the face of Jamb and then countersink each hole. Anchors must be appropriate for the type of structure being fastened into. Anchors are not provided by NABCO. Please see Figure 5-11 and Figure 5-12.

5.c.b: Anchor Placement for Jamb Tube

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 must be appropriate for the type of structure being fastened into. Anchors are not provided by NABCO. Please see Figure 5-11 and Figure 5-12.

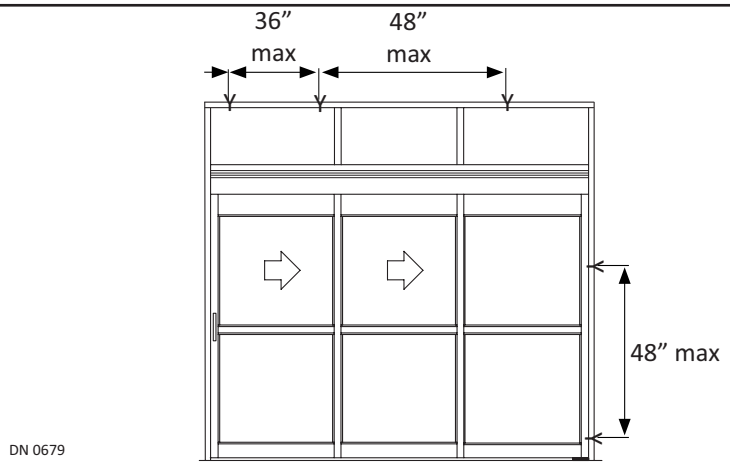


Figure 5-11 Anchor Placement

4. Secure Frame to rough opening with anchors. Please see Figure 5-12.
   a. Ensure each visible anchor is flush to the Jamb tube.
   b. Do not overtighten anchors to prevent deforming Jamb tubes.
   c. Ensure anchor heads do not come in contact with edges of glass to prevent breakage.

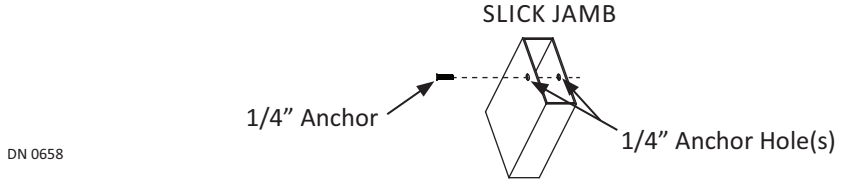


Figure 5-12 Secure Jamb Tubes to Rough Opening with Anchors

5. Secure Header cover with the (2) screws that were saved for reinstallation.

CHAPTER 6: INSTALL THE THRESHOLD

Note: Floor tracks are factory cut to be the same width as the door opening. However, extending the floor track across the entire door opening is optional. To order additional track, please contact customer service at (877) 622-2694.

Note: When ordering Floor Track, requesting Filler Inserts and Threshold Bumpers to be installed at the NABCO Factory is optional.

Floor Tracks for 1175 Telescopic Slide Door systems are 7 inches wide and installed two ways:

- ► Surface
  - Installed on the surface of the floor with ramps attached to both sides.
- ► Recessed
  - Installed inside a channel that is 1/2 inch deep x 7 inches wide across the full length of the track.

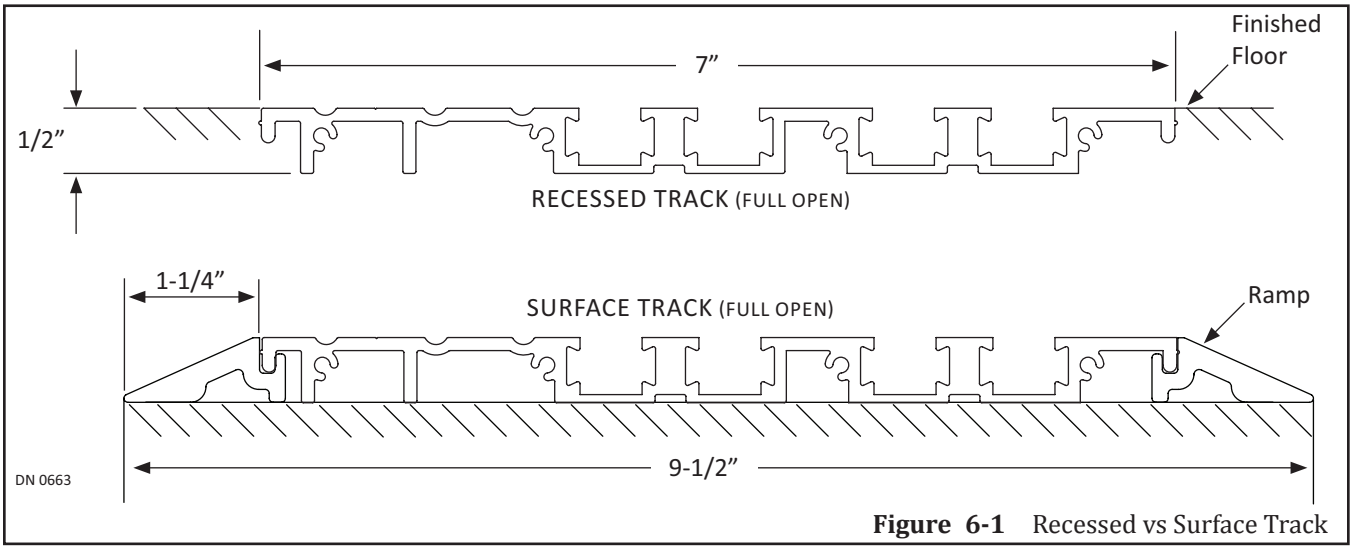


Figure 6-1 Recessed vs Surface Track

1. Obtain the Floor Track that was cut to specifications at the NABCO Factory.

2. If not installed, obtain the Filler Inserts and Threshold Bumpers that were provided by NABCO and cut to specifications. Please see Figure 6-2.

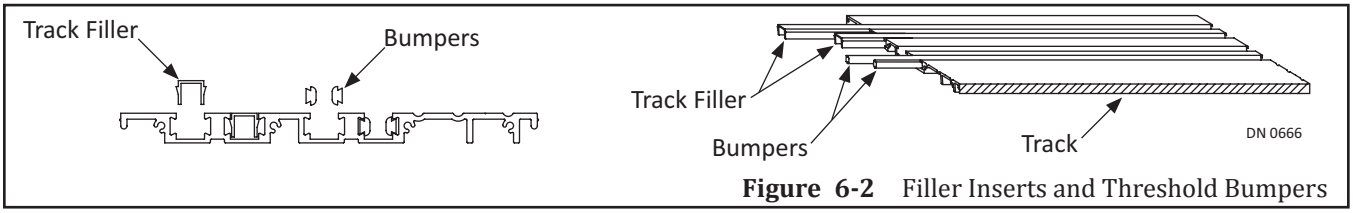


Figure 6-2 Filler Inserts and Threshold Bumpers

3. Install Filler Inserts within areas that has a door opening. Please see Figure 6-3.

4. Install Threshold Bumpers within areas that does not have a door opening.
   a. Threshold Bumpers are used to keep the Slide door Bottom Guide aligned and free from scraping the inside walls of Floor Track.

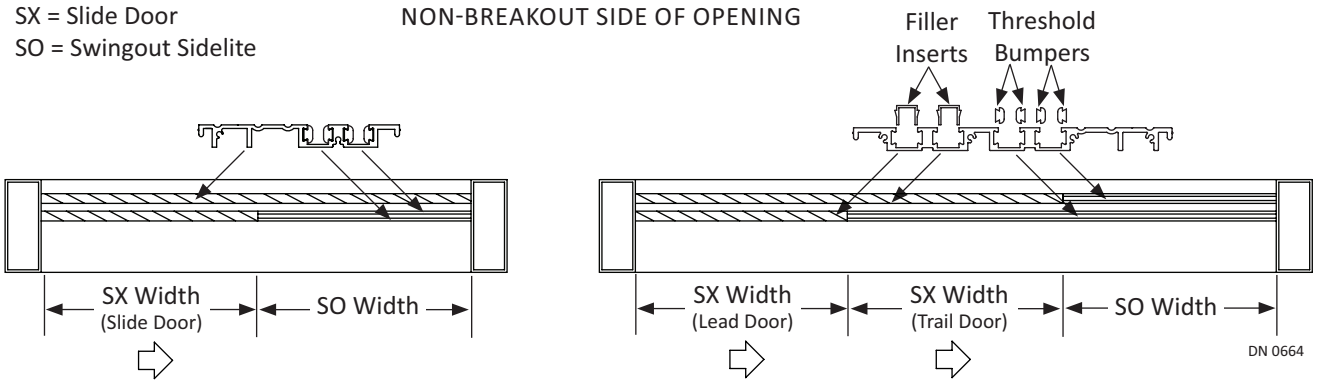


Figure 6-3 Slide Door Openings

5. On the **Interior** side of the building, snap a chalk line on the floor from Jamb to Jamb. Please see Figure 6-4.

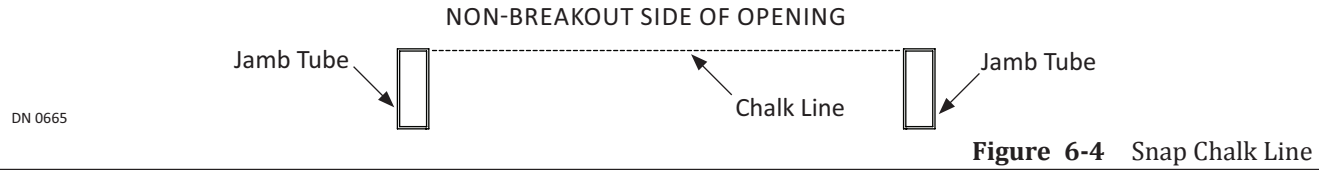


Figure 6-4 Snap Chalk Line

6. Position the Floor Track between Jamb tubes until the full length is flush with the chalk line.

7. Plumb the Floor Track by hanging a Plumb Bob from the Header. Please see Figure 6-5.

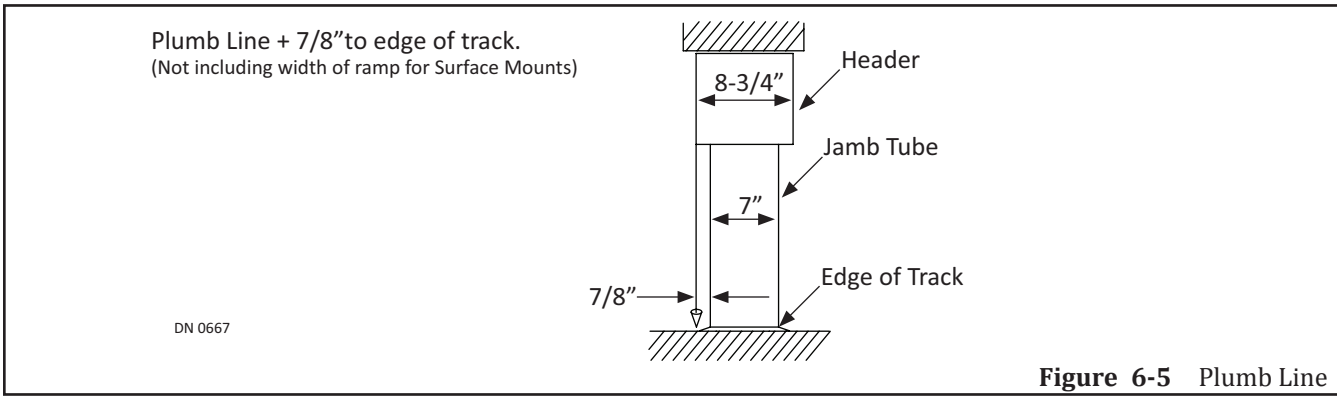


Figure 6-5 Plumb Line

Section 6a: Recessed Floor Track

1. Remove the Floor Track.

2. On the Exterior side of building, snap a chalk line on the floor from Jamb to Jamb.

3. Create a channel that is 1/2 inch deep x 7 inches wide x full length of the Floor Track. Please see Figure 6-6.
   a. Full Length of the Floor Track will vary according to specifications.

4. Replace the Floor Track.

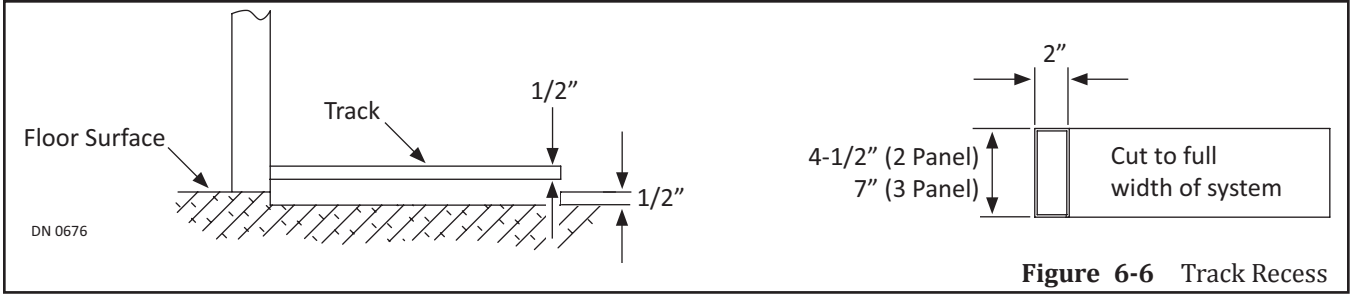


Figure 6-6 Track Recess

Section 6b: Both Floor Tracks

1. Obtain #10 x 1-1/2 inch sheet metal screws and plastic anchors that were provided by NABCO.
   a. The number of provided screws and anchors depends upon length of Floor Track.
2. Go to a metal strip that is used to divide the Filler Inserts. Please see Figure 6-7.
3. Go to the left end of Floor Track. Mark (1) drill hole approximately 4" from the edge.
4. Go to the right end of Floor Track. Mark (1) drill hole approximately 4" from the edge.

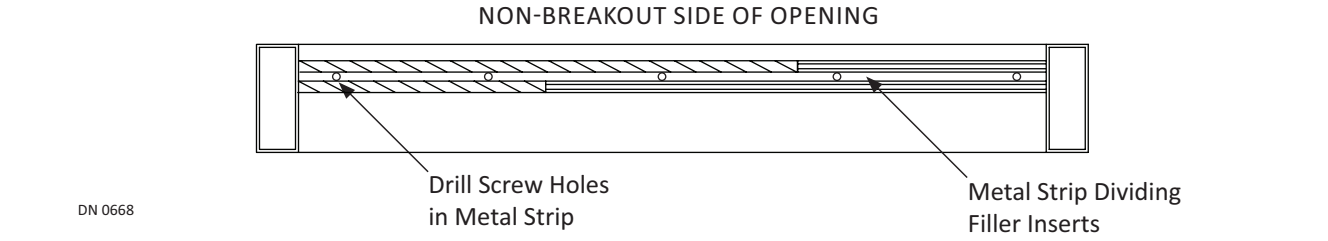


Figure 6-7 Mark and Drill Holes on Floor Track

5. Count how many screws are left. Mark remaining drill holes to be evenly spaced.
6. With a 1/4 inch masonry drill bit, drill through the Floor Track and into the floor no less than 1 inch deep.
7. Remove the Floor Track. Set aside.
8. Insert plastic anchors into the drilled holes. Please see Figure 6-8.

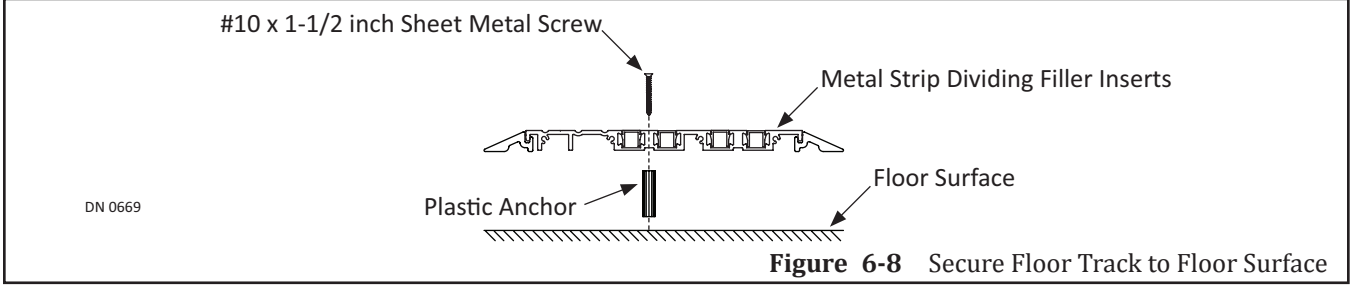


Figure 6-8 Secure Floor Track to Floor Surface

9. Replace the Floor Track by lining up the drilled holes in Floor Track with anchors.
10. Secure the Floor Track with #10 x 1-1/2 inch sheet metal screws.

CHAPTER 7: INSTALL THE SIDELITE PANEL

There are two types of Sidelite Panels:

- ► Swing
  - Installed on a Full Open Unit, so the Sidelite Panel can break out. Both the Lead door and the Trail door must breakout at the same time.
- ► Fixed
  - Sidelite Panel does not breakout. Only the Lead door has breakout capabilities.

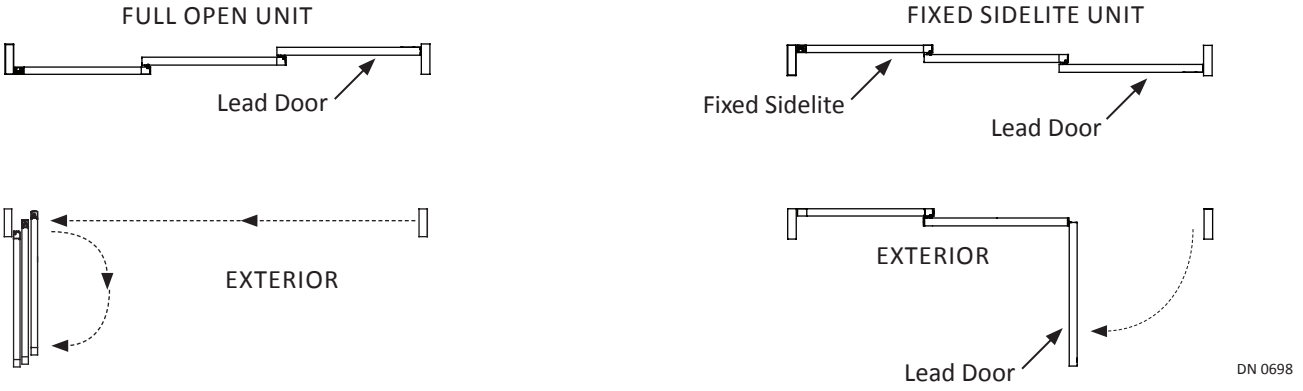


Figure 7-1 Breakout Sidelite versus Fixed Sidelite

FOR FIXED SIDELITE PANELS SKIP TO

SECTION 7B

Section 7a: Install the Swing Sidelite Panel

7.a.a: Install the Bottom Pivot

1. Obtain the Bottom Pivot, (1) 1/4-20 x 3/4 inch Flat Head screw, (1) #12 Green Anchor, (1) #10 x 1-1/2 inch Flat Head Screw, (1) 1/4-20 x 1 inch Self Tapping screw, and (1) Bushing provided by NABCO.
2. Insert the Bottom Pivot into Notch located at the bottom of Jamb tube. Please see Figure 7-2.
3. Temporarily secure Bottom Pivot to Jamb tube with (1) 1/4-20 x 3/4 inch Self Tapping screw.

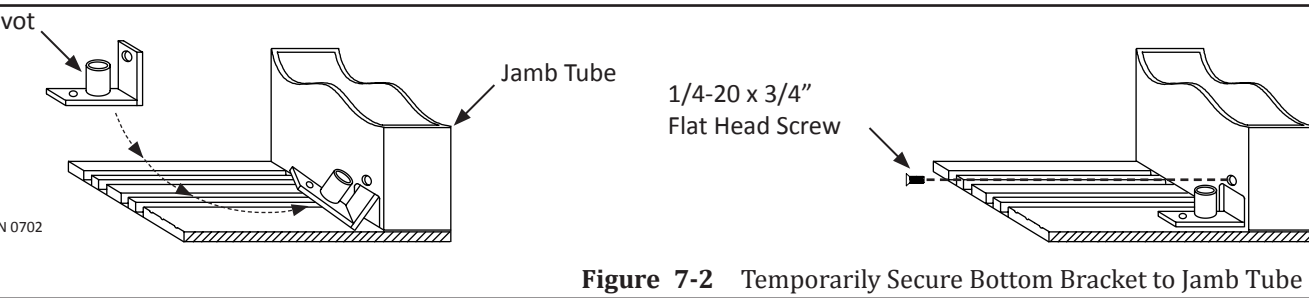


Figure 7-2 Temporarily Secure Bottom Bracket to Jamb Tube

4. Go to screw hole in front of the barrel of Pivot. Please see Figure 7-3.
5. With a 1/4 inch Masonry drill bit, drill down through the track at least 1-1/2 inches.
6. Remove the Bottom Pivot. Insert (1) #12 Green Anchor into the drilled hole.
7. Replace the Bottom Pivot.
8. Permanently secure Bottom Pivot to Jamb tube with (1) 1/4-20 x 3/4 inch Self Tapping screw.
9. Secure Bottom Pivot to the track by inserting (1) #10 x 1-1/2 inch Self Tapping Screw into the #12 Green Anchor.
10. With a 7/32 inch Masonry drill bit, drill down through the barrel of Pivot and into the track at least 1 inch.
11. Secure barrel of Pivot to the track with (1) 1/4-20 x 1 inch Self Tapping screw.
12. Cap the top of barrel with Bushing.

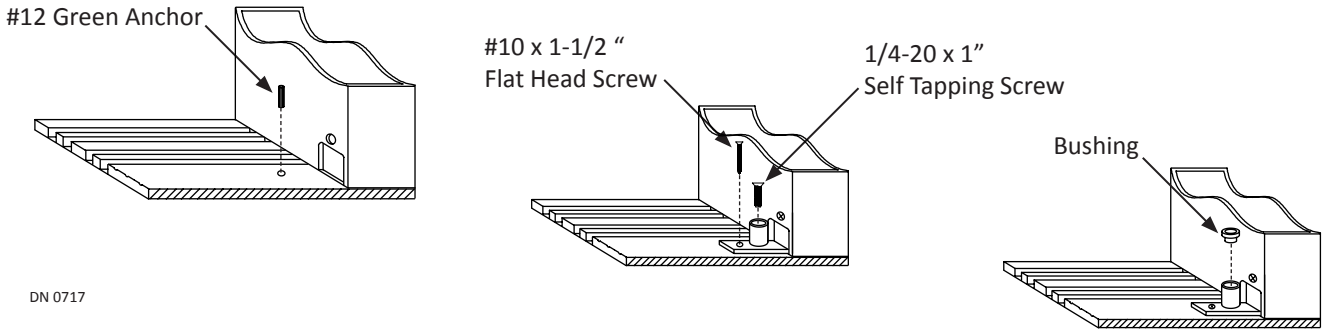


Figure 7-3 Permanently Secure Bottom Pivot to Track and Jamb Tube

7.a.b: Wire the Rocker Switch

1. Go to the Jamb Stile.
2. Remove the Rocker Switch and (2) screws.
   a. Save for reinstallation.

On National Account Installations:
The Rocker Switch is located on the Jamb Tube instead of the Jamb Stile as shown here.

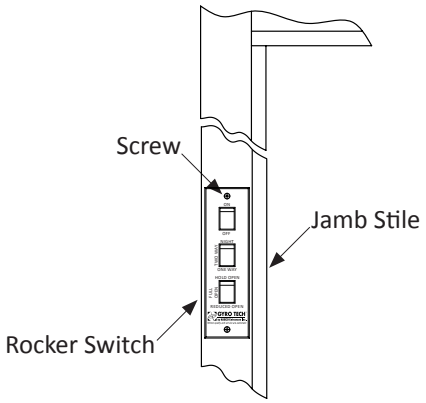


Figure 7-4 Remove Rocker Switch from Jamb Stile

3. There is approximately (2) feet of Cable Wiring that is connected to the Main Harness inside the Header. Withdraw the Cable Wiring through a hole at the bottom of the Header. Please see Figure 7-5.
4. Continue to route the Cable Wiring through the top of Jamb Stile then down to where the Rocker Switch was removed. Please see Figure 7-7.
5. Pull the Cable Wiring through the cut out.
6. Connect the Cable Wiring to the Rocker Switch Harness.
   a. Wait until Swing Panel is installed onto Pivots before reinstalling the Rocker Switch.

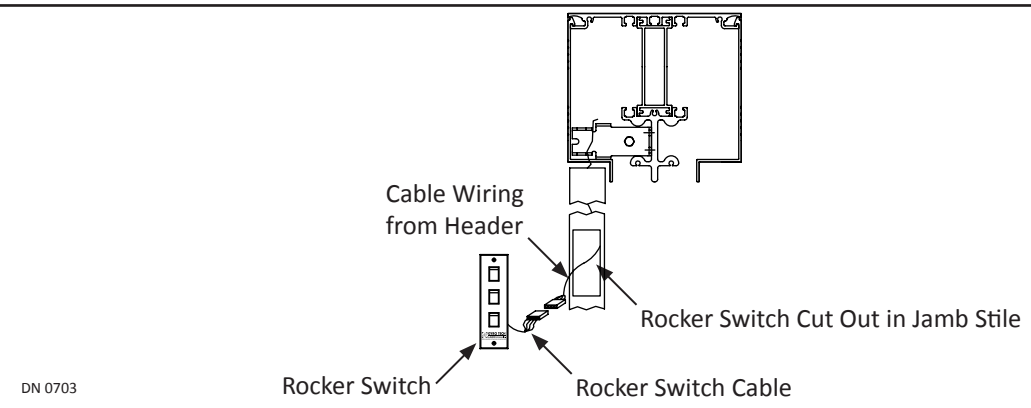


Figure 7-5 Connect Rocker Switch to the Cable Wiring

7.a.c: Install Swing Door to Top and Bottom Pivots

1. Carefully position the Swing Panel over the Bottom Pivot. Ensure the Breakout side of Swing Panel is on the exterior side of the building. Please see Figure 7-6.
   a. Do not pinch Cable Wiring connected to the Main Harness and Rocker Switch Harness.

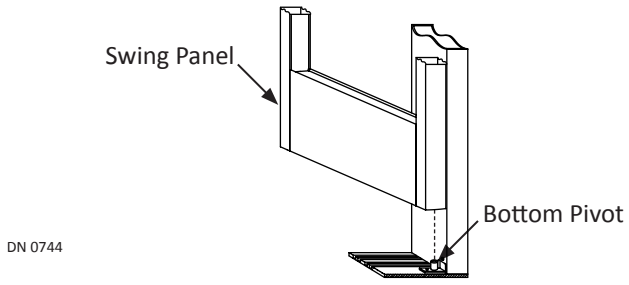


Figure 7-6 Position Swing Panel over Bottom Pivot

2. Go to the Retracting Pin located inside the Pivot Stile at the very top. Please see Figure 7-7.
3. Push the Retracting Pin down. At the same time, align the Pivot Pin with the Top Pivot Bracket hole located on bottom of Header. Allow the Pivot Pin to snap into the hole located on the Top Pivot Bracket.
   a. Ensure Pivot Pin fully engages the hole.
   b. If necessary, lift up on the retracting pin with a screwdriver.

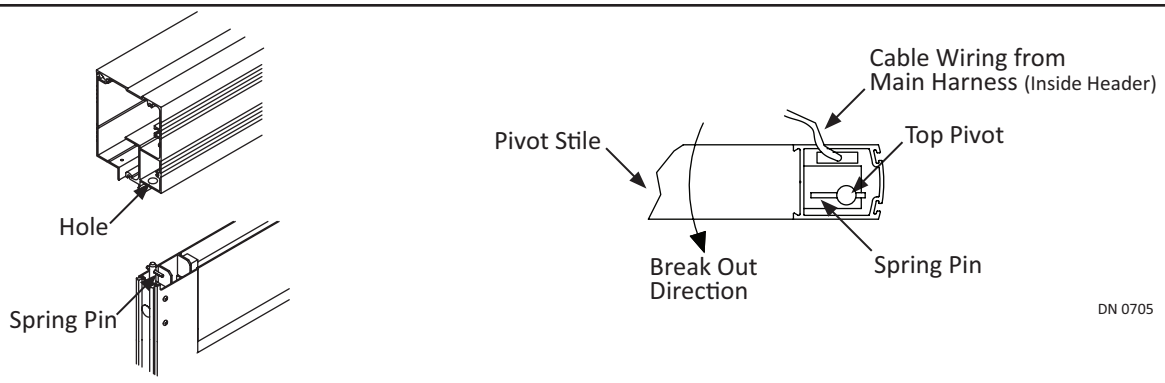


Figure 7-7 Position Swing Panel in Correct Direction

4. Pull up the excess Cable Wiring from the Pivot Stile into the Header.
5. Move the excess wiring so it does not obstruct operation or gets pinched.
   a. Excess wiring can also be stored inside the Pivot Stile.
6. Replace and secure the Rocker Switch with (2) screws that were saved for reinstallation.

7.a.d: Assemble the Limit Arm

1. Close and secure the Header Cover with (1) screw that was saved for reinstallation.
2. Swing the Panel out to 90 degrees.
3. Rest the Wheel of the Limit Arm inside the Top Rail.
4. Slide (1) Spacer onto the Red Coated Screw. Please see Figure 7-8.
5. Insert the Red Coated Screw through the Limit Arm screw hole.
6. Slide (1) small Washer and (1 - 2) large Washers (as required) onto the Red Coated Screw.
7. Secure the Limit Arm to the bottom lip of Header Cover by inserting the Screw assembly into the Factory Drilled Hole.
8. Tighten the Red Coated Screw.

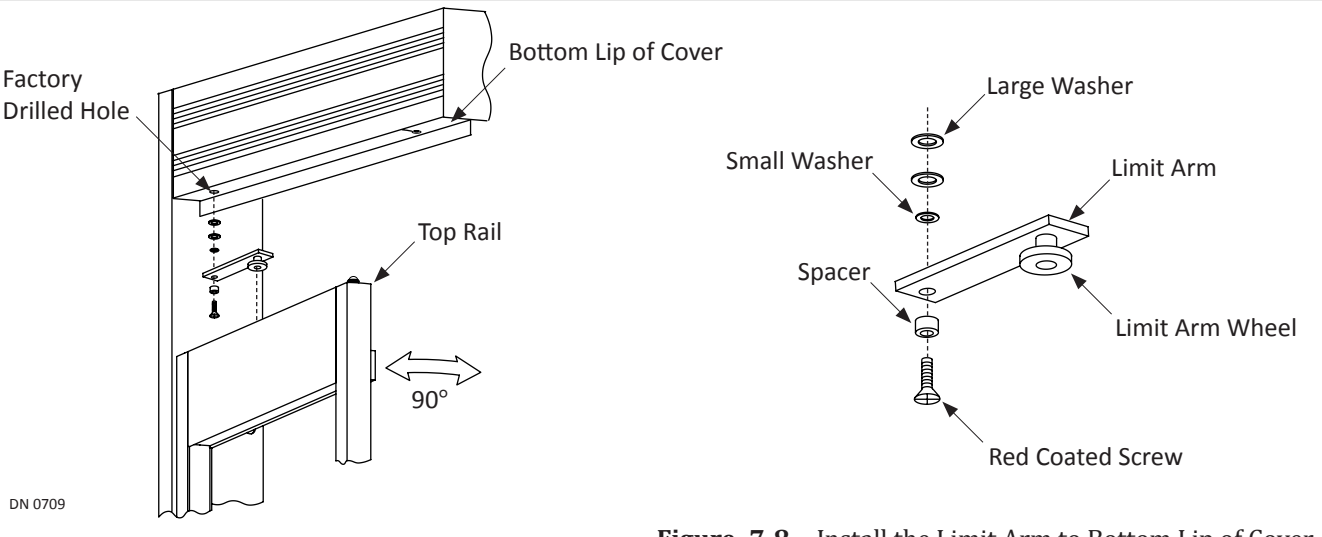


Figure 7-8 Install the Limit Arm to Bottom Lip of Cover

7.a.e: Adjust Ball Detents

Note: Break Out resistance for Ball Detents must meet ANSI Standard A156.10 or Local Codes.

1. With a 15/16" Open End wrench, loosen the Nut to raise or lower the Ball Detent at Top of Strike Stile so it has light contact with the Bottom Lip of Cover. Please see Figure 7-9.
2. Open and close the Swing Door several times to score the surface on the Bottom Lip of Cover.
3. Locate and mark where the Score intersects the center groove.
4. With a 1/4 inch diameter drill bit, drill a screw hole through the Bottom Lip of Cover.
   a. Countersink the screw hole to be 3/8 inch x 82°.

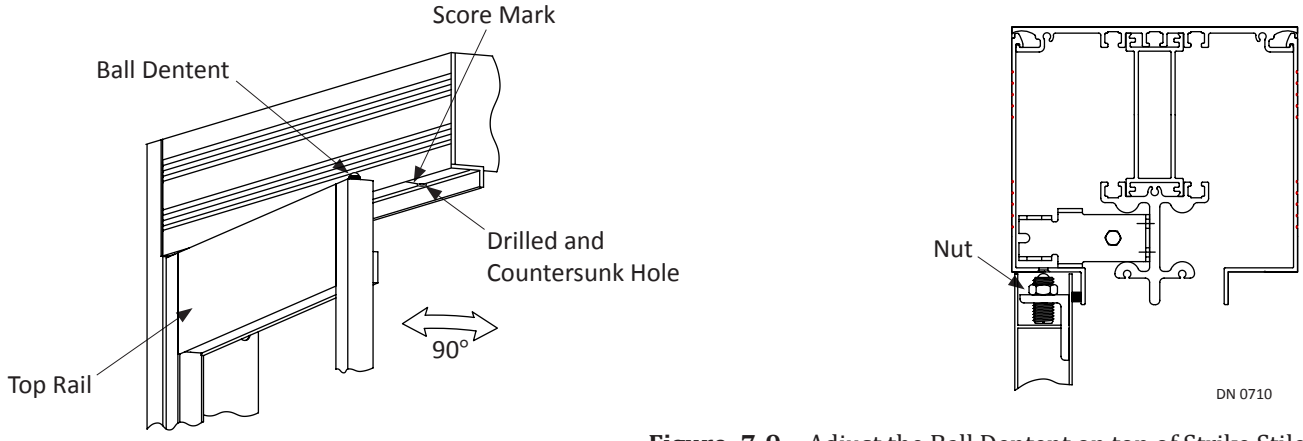


Figure 7-9 Adjust the Ball Dentent on top of Strike Stile

5. With a 15/16" Open End wrench, loosen the Nut to raise or lower the Ball Detent at Bottom of Strike Stile so it has light contact with the Floor Track. Please see Figure 7-10.
6. Open and close the Swing Door several times to score the surface on the Floor Track.
7. Locate and mark where the Score intersects the center groove.
8. With a 1/4 inch diameter drill bit, drill a hole through the Floor Track (Just deep enough for the Ball Dentent to fit within).
   a. Countersink the screw hole to be 1/4 inch x 82°.

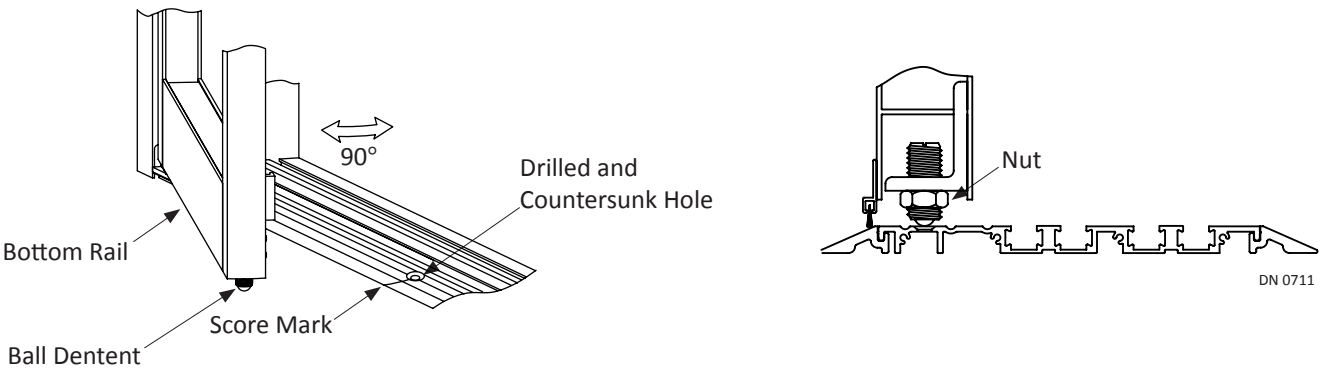


Figure 7-10 Adjust the Ball Dentent on bottom of Strike Stile

9. Close and then break open the Swing door to test fit both Ball Detents.
   a. Increase hole size and countersink size until a satisfactory fit is obtained.

Section 7b: Install the Fixed Sidelite Panel

7.b.a: Install the Fixed Sidelite Panel to Jamb Tube (Temporarily)

1. Obtain (2) 1/4-20 x 1/2 inch Socket Head Screws provided by NABCO.
2. Go to Jamb Tube that the Sidelite Panel is to be installed on. Locate (2) pre-installed Mounting Brackets. Please see Figure 7-11.
3. Slide the Sidelite Panel onto the Mounting Brackets.
   b. The Mounting Bracket must go through the cutout clearance and be flush against the inside wall of the Stile Vertical.
4. Temporarily secure the Fixed Sidelite Panel to the Mounting Brackets with 1/4-20 x 1/2 inch Socket Head Screws.

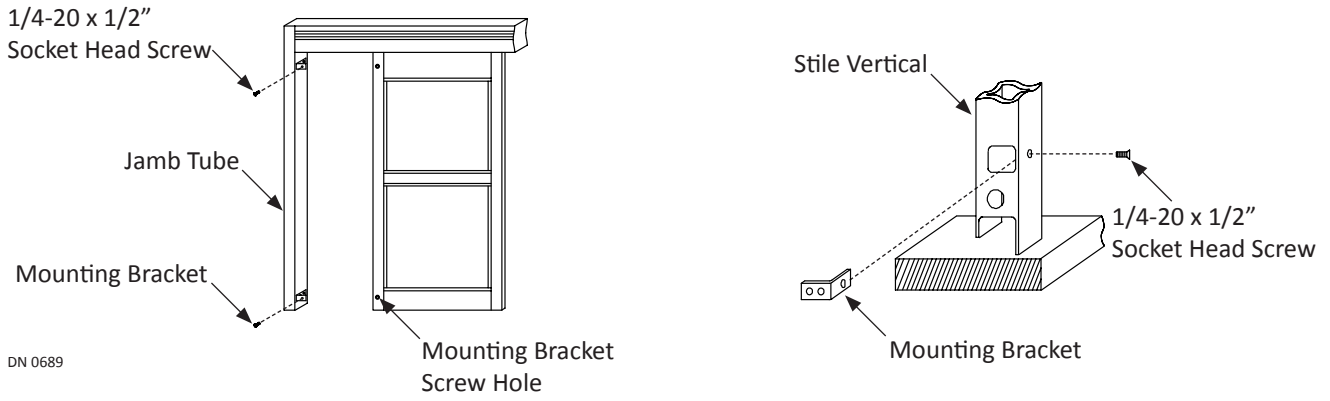


Figure 7-11 Slide Mounting Block into Top Rail

5. Snap a chalk line between Jamb tubes in front of Sidelite Panel. Please see Figure 7-12.
   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.

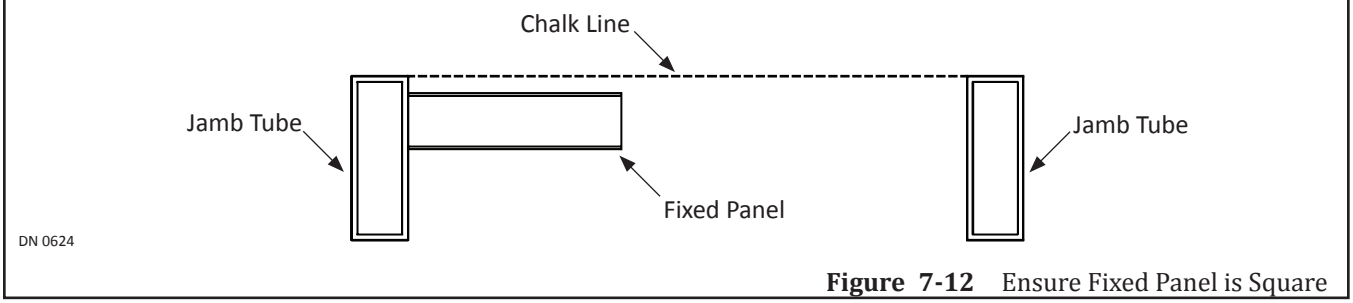


Figure 7-12 Ensure Fixed Panel is Square

7.b.b: 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) #16 Masonry Anchors.
2. Go to the Bottom Rail.
3. Slide the Floor Mounting Bracket underneath the Bottom Rail until the (2) screw holes on the bracket are aligned with the pre-drilled screw holes located on the outside wall of Bottom Rail. Please see Figure 7-13.

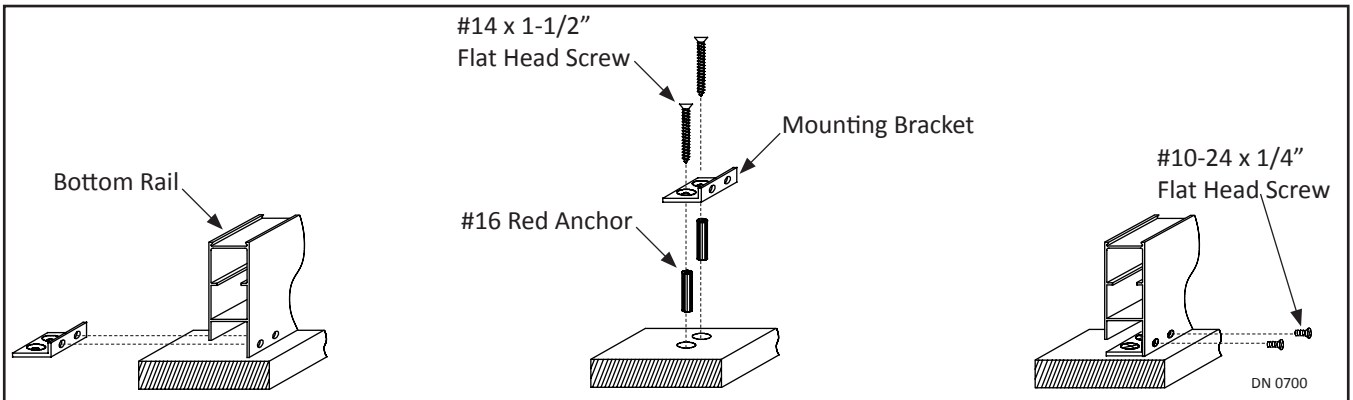


Figure 7-13 Secure Floor Mounting Bracket

4. Insert the Floor Mounting Bracket inside the Bottom Rail so the short end is butted up against the pre-drilled screw holes.
5. Temporarily secure the Floor Mounting Bracket to the Sidelite Panel with (2) #10-24 Flat Head screws.
   a. Do not overtighten screws.
6. Mark the floor at the edges of the Floor Mounting Bracket while holding the Fixed Panel parallel to the chalk line.

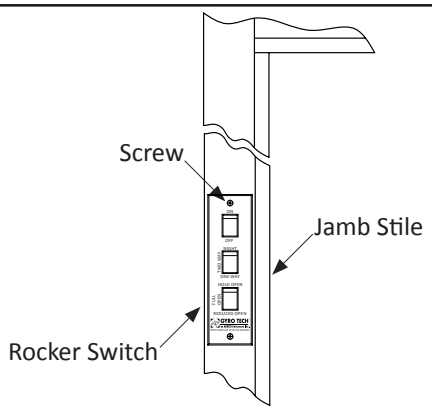
7.b.c: Remove the Sidelite Panel

1. Remove the Sidelite Panel from all Mounting Brackets.
   a. Save all Hardware for reinstallation.
2. Use the Floor Mounting Bracket as a template to mark and drill (2) screw holes onto the floor at least 1-1/2 inch deep.
3. Insert anchors into drilled holes.
4. Secure the Floor Mounting Bracket to the floor with #14 x 1-1/2 inch Flat Head screws.

7.b.d: Wire the Rocker Switch

1. Go to the Jamb Stile.
2. Remove the Rocker Switch and (2) screws. Please see Figure 7-14.
   a. Save Hardware for reinstallation.

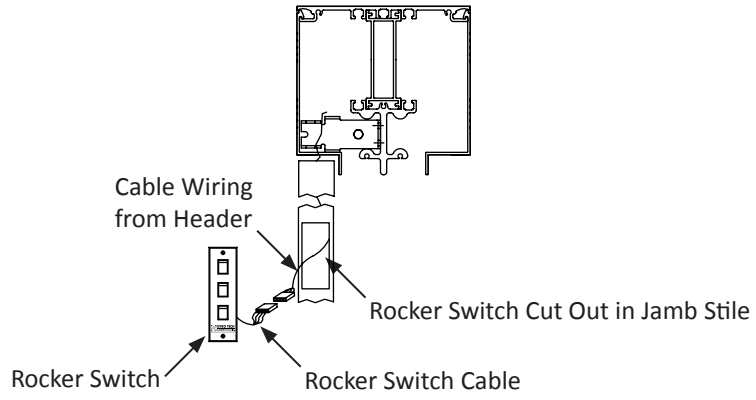
On National Account Installations:
The Rocker Switch is located on the Jamb Tube instead of the Jamb Stile as shown here.



DN 0704

Figure 7-14 Remove Rocker Switch from Jamb Stile

3. There is approximately (4) feet of Cable Wiring that is connected to the Main Harness inside the Header. Withdraw the Cable Wiring through a hole at the bottom of the Header. Please see Figure 7-15.
4. Continue to route the Cable Wiring through the top of Fixed Stile then down to the where the Rocker Switch was removed.
5. Pull the Cable Wiring through the cut out.
6. Connect the Cable Wiring to the Rocker Switch Harness.



DN 0703

Figure 7-15 Connect Rocker Switch to the Cable Wiring

7. Go back to the Header. Pull up the excess Cable Wiring from the Fixed Stile.
8. Move the excess wiring so it does not obstruct operation or gets pinched.
   a. Excess wiring can also be stored inside the Fixed Stile.
9. Replace and secure the Rocker Switch with (2) screws that were saved for reinstallation.

7.b.e: Install the Fixed Sidelite Panel (Permanently)

1. Install Fixed Sidelite Panel to all Mounting Brackets.
2. Once the Fixed Sidelite Panel is secured to the Jamb Tube and Floor, remove the Cover from Header. The Bottom Lip of Cover is cut out between the Strike Stile and Jamb Tube to enable the Cover to reopen. Please see Figure 7-16.

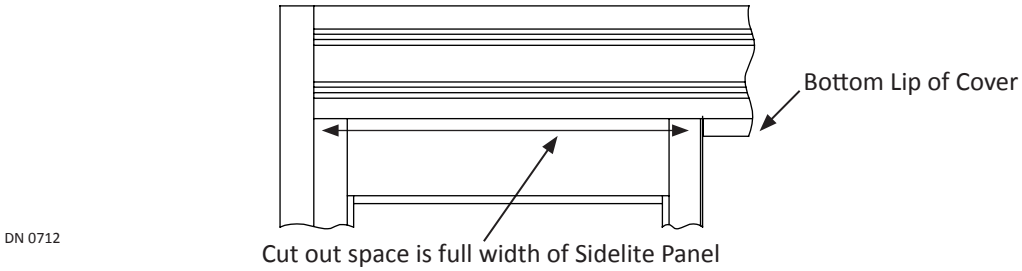


Figure 7-16 Bottom Lip of Cover - Cut Out

3. Go to the Strike Stile. Insert the Header Mounting Bracket.
4. Align the Mounting Bracket screw hole to the pre-drilled screw hole on the outside face of the Strike Stile. Please see Figure 7-17.
5. Secure Mounting Bracket onto the Strike Stile with (1) 1/4-20 x 1/2 inch Flat Head screw.
   a. There will be a gap between the top of Mounting Bracket and the Strike Stile.
   b. Do not overtighten screw.

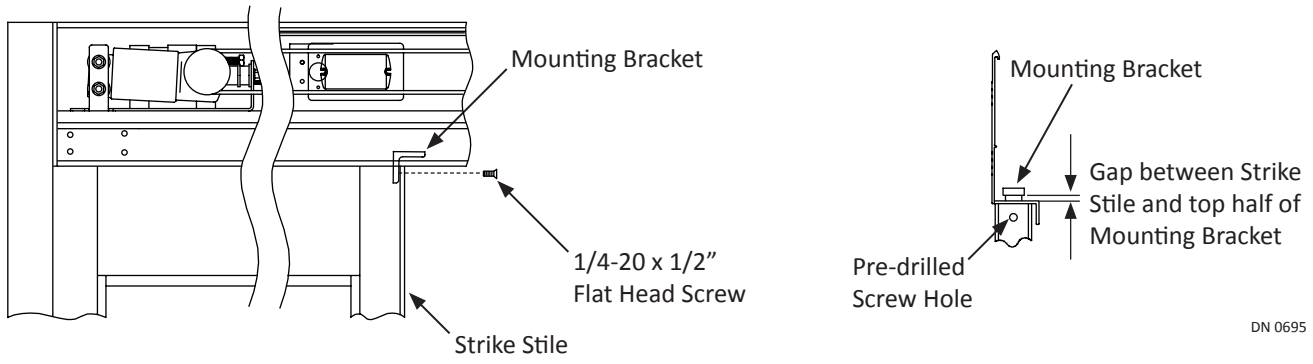


Figure 7-17 Install Bracket to Header Cover

6. Close and secure the Header Cover with (1) screw that was saved for reinstallation.
   a. The Cover will swing under the top half of Mounting Bracket while closing.
7. Go underneath the Bottom Lip of Cover to locate the pre-drilled hole in the Cover.
8. Drill through the pre-drilled hole to create a .150 screw hole into the Mounting Bracket. Please see Figure 7-18.

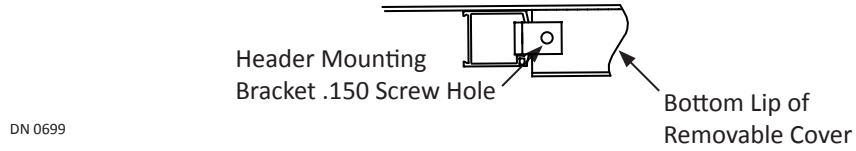


Figure 7-18 Align Screw Hole to Bottom Lip of Removable Cover

9. Secure the Header Mounting Bracket to the Cover with (1) #8-32 x 5/8 inch Flat Head screw. Please see Figure 7-19.
   a. Do not overtighten screw. The Header Cover will have to be removed to install the Trail Slide door.

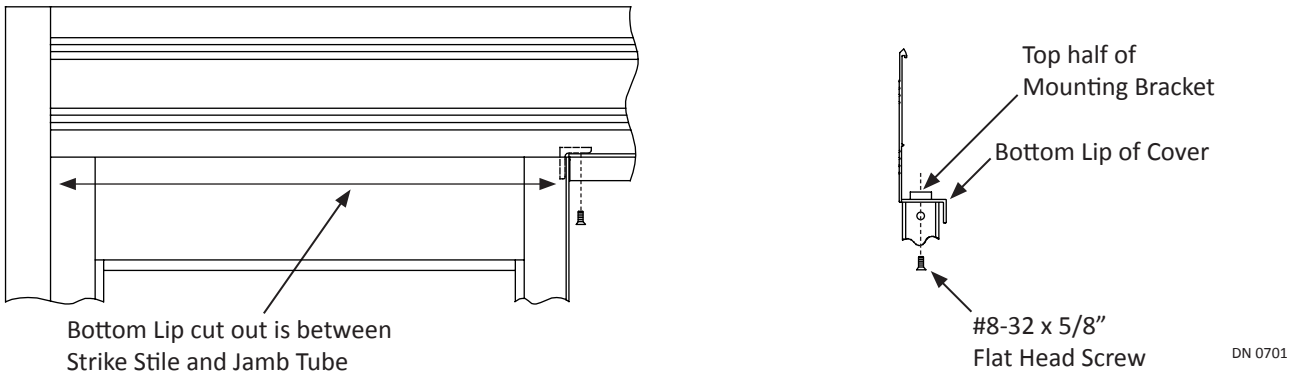


Figure 7-19 Secure Header Mounting Bracket to Cover

7.b.f: Install the Bottom Guide Assembly

1. Go to the bottom of the Strike Stile.
2. Remove the Roller Bracket, Strike Stile End Cap and (4) #10-24 x 3/4 inch Flat Head screws that were pre-installed at NABCO. Please see Figure 7-20.
   a. Save Hardware for reinstallation.

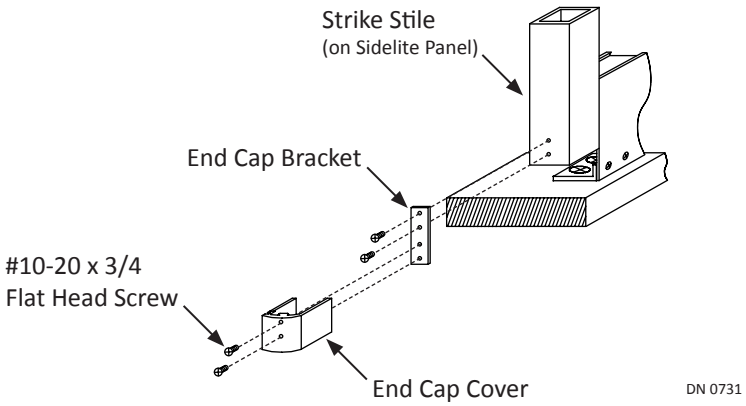
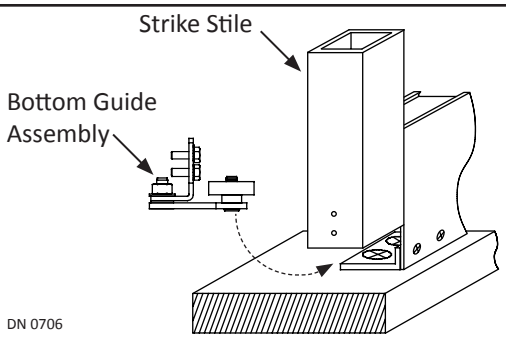


Figure 7-20 Remove End Cover from Strike Stile on Sidelite Panel

3. Obtain the Bottom Guide Assembly that was provided by NABCO.
   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 or the left side of door.
4. Insert the Bottom Guide Assembly underneath the end of Strike Stile and into the Bottom Rail. The Bottom Guide Assembly must stick out from underneath in direction of where the Slide door is to be installed. Please see Figure 7-21.



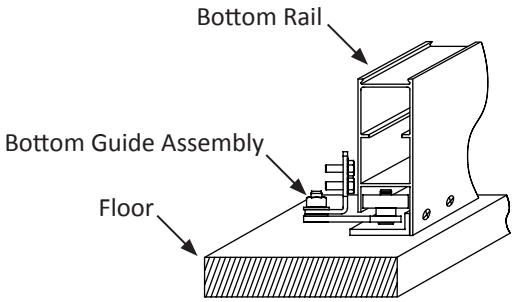
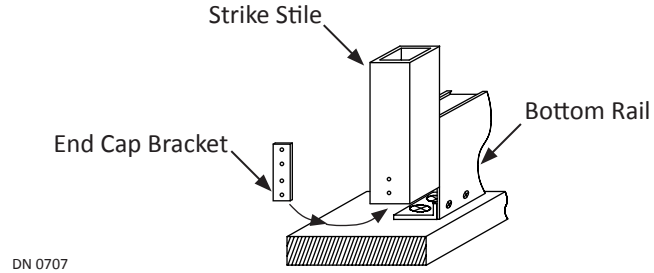


Figure 7-21 Slide Bottom Guide Assembly into Bottom Rail

7.c.a: Install the Strike Stile End Cap

1. Slide the Bottom Guide Assembly into middle of the Bottom Rail.
2. Obtain the Roller Bracket and (2) #10-24 x 3/4 inch Flat Head screws that were saved for reinstallation.
3. Insert the Roller Bracket up into the Pivot Stile of the Trail Door. Butt the Roller Bracket up against the outside wall and then align the (2) screw holes. Please see Figure 7-22.
4. Secure the Roller Bracket to the Strike Stile with (2) #10-24 x 3/4 inch Flat Head screws.



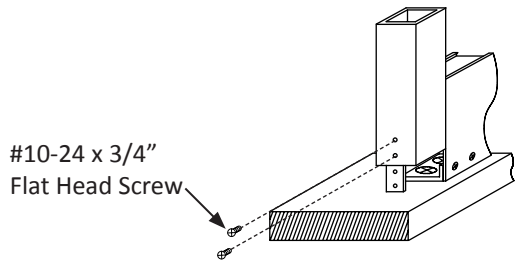
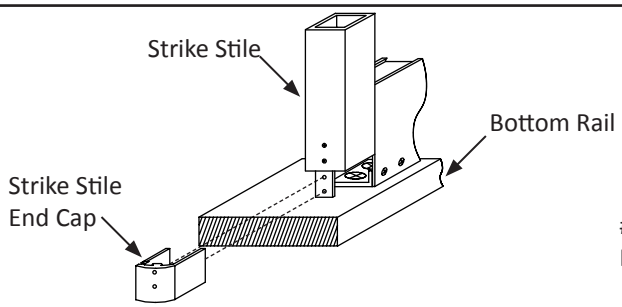


Figure 7-22 Secure Roller Bracket to Strike Stile

5. Obtain the Strike Stile End Cap and (2) #10-24 x 3/4 inch Flat Head screws that were saved for reinstallation.
6. Align the Strike Stile End Cap (2) screw holes to the bottom (2) screw holes on the Roller Bracket. Please see Figure 7-23.
7. Secure the Strike Stile End Cap to Roller Bracket with (2) #10-24 x 3/4 inch Flat Head screws.



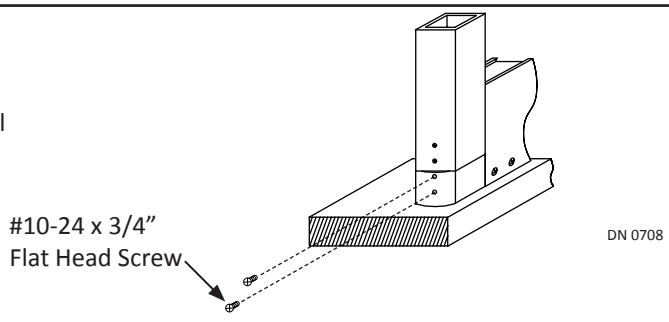


Figure 7-23 Secure Cover to the Roller Bracket

CHAPTER 8: INSTALL SLIDE PANELS (FULL OPEN UNITS)

For Full Open Units, there are two sides of the Header the Slide door can be installed:

- ► Trail Door
  - Exterior
- ► Lead Door
  - Interior

Section 8a: Install Trail Doors

*Note: The Trail Door must always be installed on **opposite** side of the DS-150 Drive Pulley.*

CAUTION **Do not test Breakout until all adjustments are made and doors are secured.**

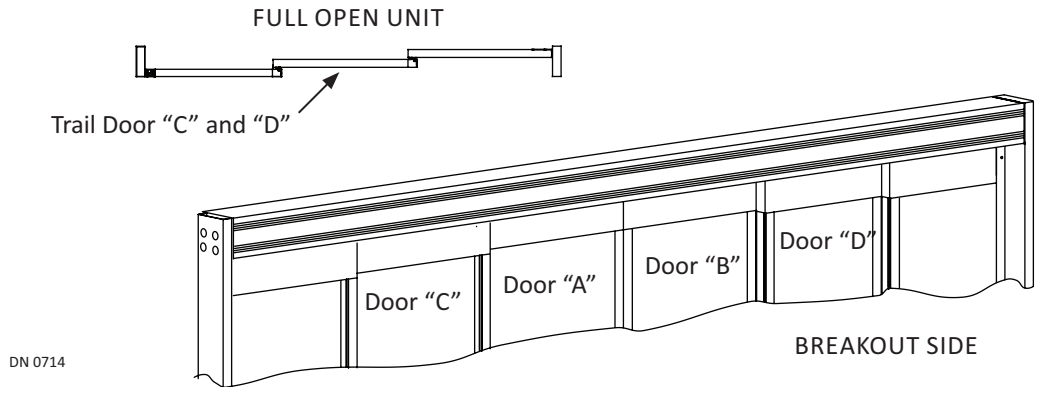


Figure 8-1 Trail Door Identification

8.a.a: Lift Carrier onto Track

The Carrier is pre-installed on the Top Rail and includes (4) Hanger Rollers. The Carrier is used to hang each Trail Door onto the Track located inside the Header.

1. Go to The Carrier located on Top Rail. Loosen nut on each Hanger Roller with a 1/2" open end Wrench. Please see Figure 8-2.

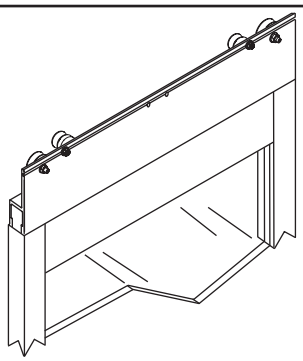


Figure 8-2 Carrier with Rollers

2. Swing open the Sidelite Panel 90°.

3. Open and then remove the Header Cover.
   a. When the Cover is opened, the Limit Arm will lift out of the Top Rail of the Sidelite Panel.
   b. Allow the Limit Arm to move with the Cover.

4. Close the Sidelite Panel.

5. Lift and then slightly tilt the Trail Door into the Header and then onto the Track. Please see Figure 8-3.
   a. The Trail Door is tilted to make it easier for rollers to 'catch' onto the track.

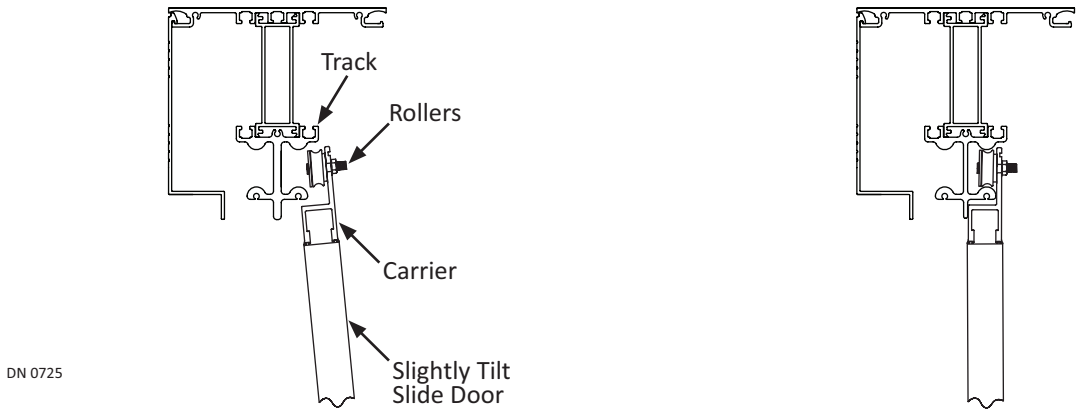


Figure 8-3 Install Carrier onto Track

6. Pry up on the pre-installed Full Open Bottom Guide so the prongs can enter the Floor Track in the appropriate slots. Please see Figure 8-4.

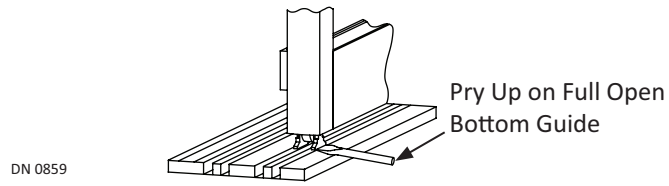


Figure 8-4 Insert Prongs on Full Open Bottom Guide into Floor Track

8.a.b: Secure Belt Clip to Carrier

Belt Clips are pre-installed within the Header at the NABCO Factory. However, Belt Clips still need to be secured to the Carrier so the Door Panel can operate.

1. Line up (2) Carrier screw holes to the Belt Clip that is pre-installed within Header.

2. Secure Belt Clip with (2) 1/4-20 x 3/4 inch machine screws provided by NABCO. Please see Figure 8-5.

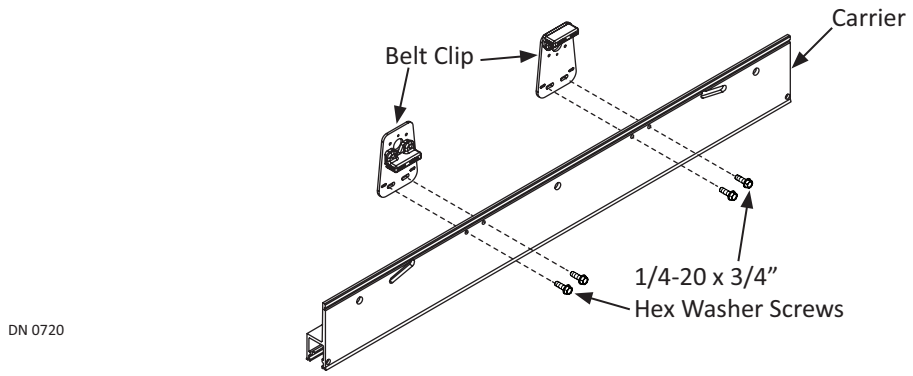


Figure 8-5 Secure Belt Clips to Carrier

8.a.c: Adjust Door Panel Height

The appropriate gap between the Bottom Rail and the floor can vary between 11/16 inch to 15/16 inch, with the nominal gap being 7/8 inch. Please see Figure 8-6.

Hanger Rollers are used to:

- ► Adjust the height of the Door Panel.
- ► Ensure leading edge of door and Sidelite Panel are parallel at the top or bottom.

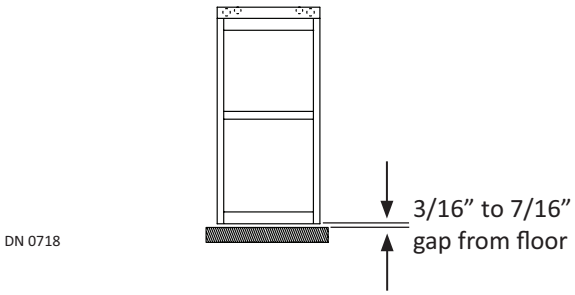


Figure 8-6 Floor Gap

1. Obtain one 1/2” Open End wrench, and one 5/32” Allen wrench.
2. Go to the Carrier. Ensure Hanger Roller nuts are loose.
   a. If Hanger Roller nuts are tight, loosen each nut with a 1/2” Open End Wrench.
3. Keep Hanger Roller nut from turning with a 1/2” Open End wrench. At same time insert 5/32” Allen wrench into the end.
4. Turn Axle clockwise to raise or lower the Door Panel.
5. Adjust (2) Hanger Rollers located at the far end of door first. Then adjust (2) Anti Rise Rollers in between. Please see Figure 8-7.
   a. This will evenly distribute door weight on (2) Hanger Rollers.

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

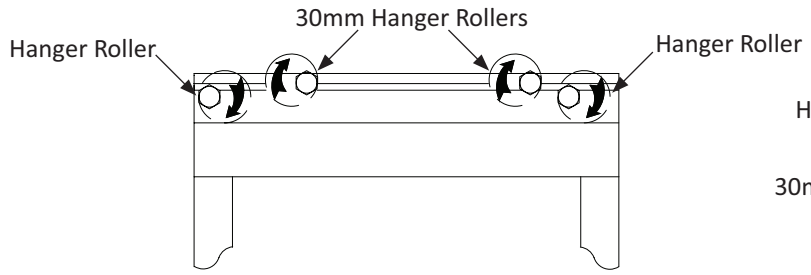


Figure 8-7 Door Adjustment

6. Check to ensure leading edge of door and Sidelite Panel are parallel.
   a. If gaps exist, make necessary adjustments to Hanger Rollers.
7. Insert 5/32" Allen wrench into end of Hanger Roller. Tighten nut with a 1/2" Open End wrench until the Hanger Roller is secured to the Carrier.
   a. Do not overtighten the nut.

8.a.d: Adjust Preload

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

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

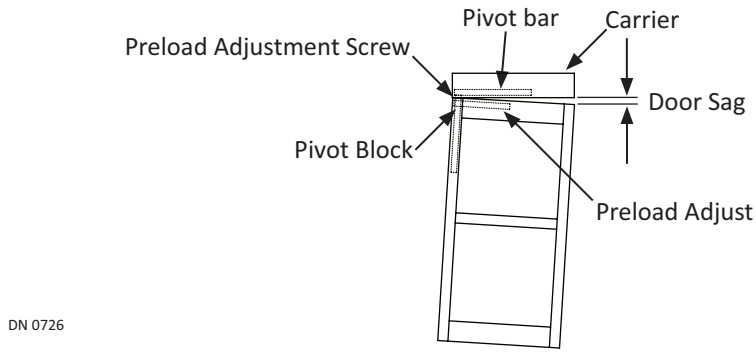


Figure 8-8 Check Door Sag

4. Go to the Preload Block located inside Top Rail. Please see Figure 8-9.
5. Loosen (2) Locking Bolts.
6. 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.

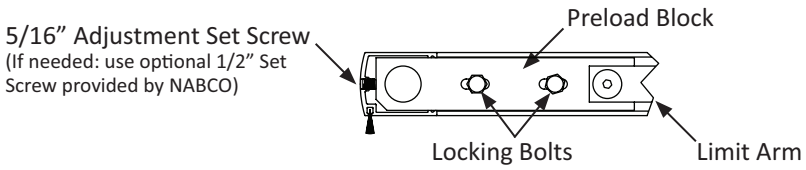


Figure 8-9 Adjust the Preload

8.a.e: 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 8-10.

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.

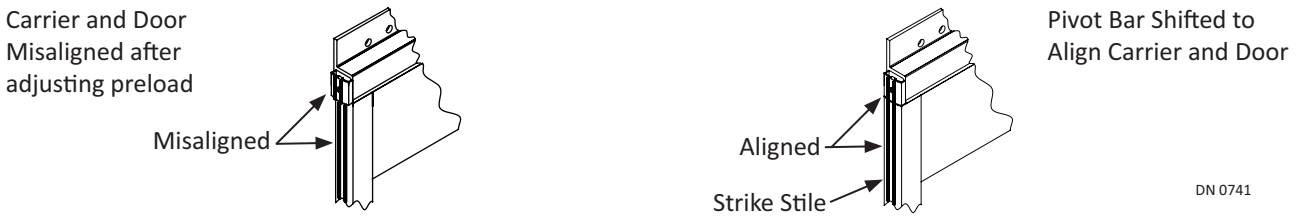


Figure 8-10 Correct Preload Misalignment

Section 8b: Install Lead Doors (Full Open Unit)

*Note: The Lead Door must always be installed on **same** side of the DS-150 Drive Pulley.*

1. For Full Open Units, go to the Interior side of Header. Please see Figure 8-11.

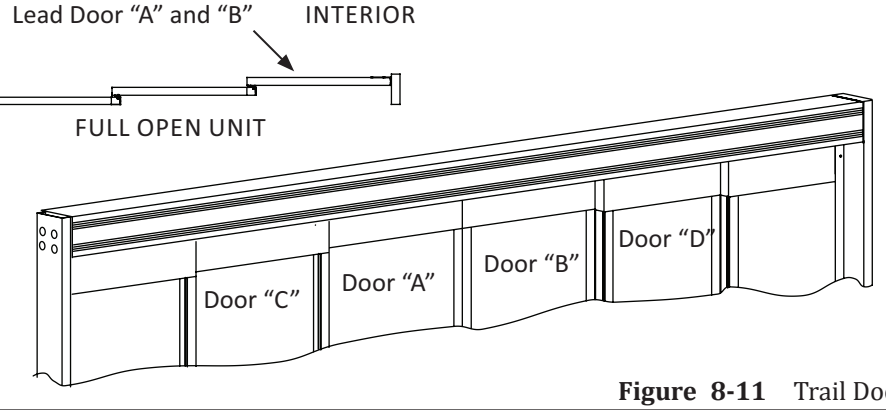


Figure 8-11 Trail Door Identification

CAUTION **Do not test Breakout until all adjustments are made and doors are secured.**

2. Follow instructions within “8.a.a: Lift Carrier onto Track” through “8.a.d: Adjust Preload”.

3. Adjust Door Stops for the Lead Door to the dimension shown in Figure 8-12.
   a. Adjust Belt Clip location on Trail Door as necessary to achieve dimension in Figure 8-12.

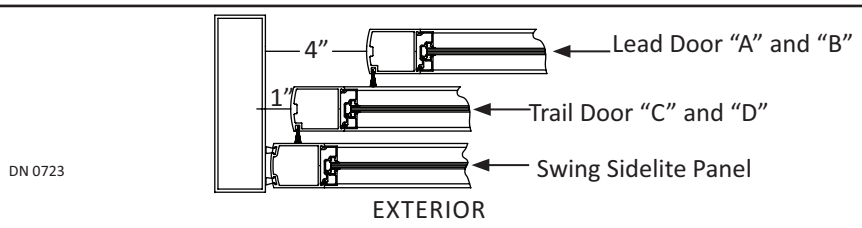


Figure 8-12 Adjust Door Stops Accordingly

4. Replace and secure Header Cover with (2) screws that were saved for reinstallation.

Section 8c: Adjust the Interlock (Full Open Only)

1. Obtain (1) package containing Shim and Roll Pins.
   a. Package was taped to door by NABCO.

2. Slide (1+) shim under the Interlock until proper engagement can be obtained. Please see Figure 8-13.

3. Go to the Interlock. Loosen the mounting screws.

Figure 8-13 Insert (1+) Shim under Interlock

4. Manually close each Slide Door.
   a. Loose Interlocks automatically adjust to proper position.
   b. It may be necessary to remove some brush from the back side of the Interlock with a pair of scissors.

5. Lock Shim in Place.

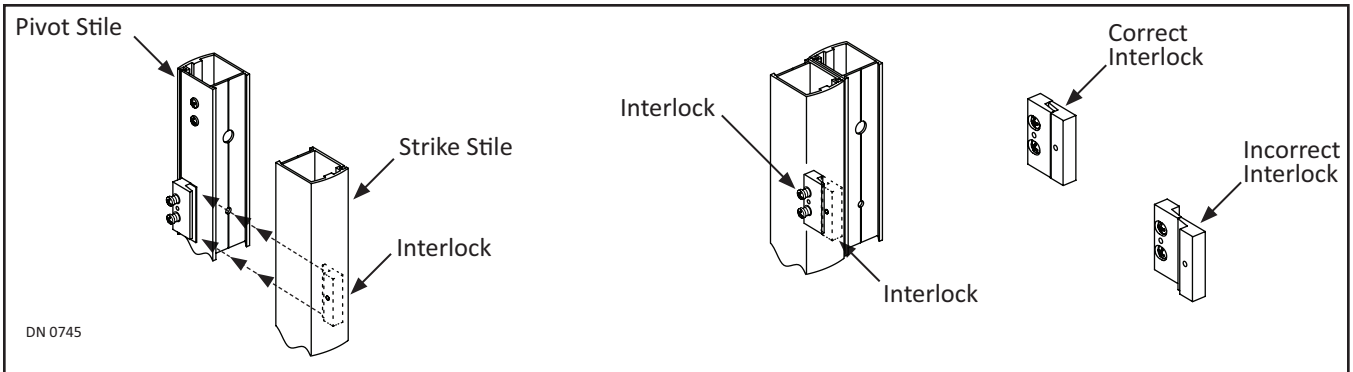


Figure 8-14 Close Door to Adjust Interlocks

6. With a 1/8 inch Drill Bit, drill a hole through the Interlock and Shim and Strike Stile.

7. Secure the Shim to the Interlock by inserting (1) Roll Pin into the 1/8 inch hole. Please see Figure 8-15.
   a. The Roll Pin may need to be pounded into the 1/8 inch hole.

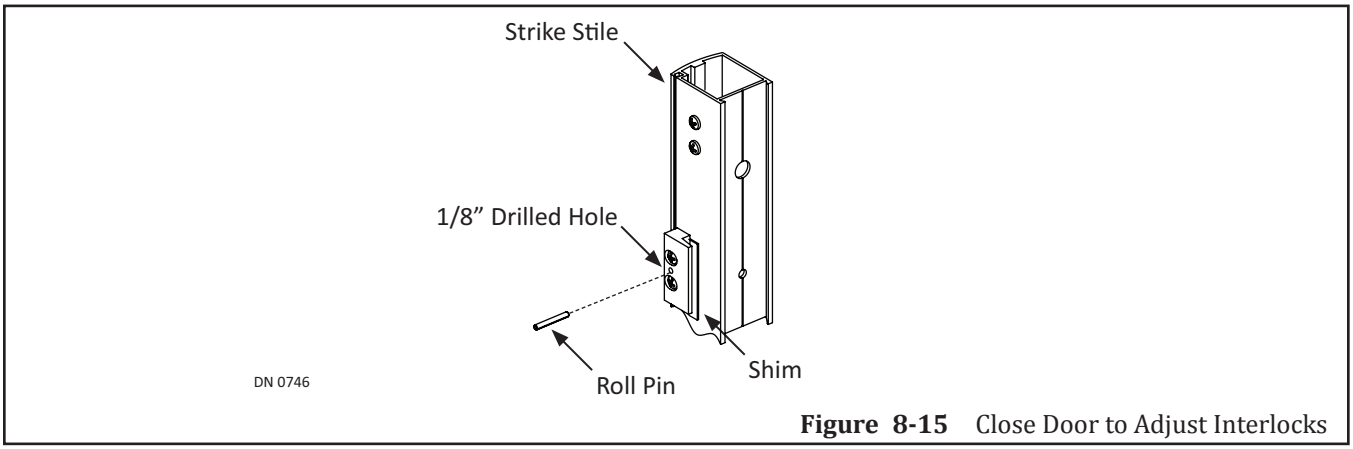


Figure 8-15 Close Door to Adjust Interlocks

Note: Interlocks should not come in contact with door rail surface upon opening/closing.

CHAPTER 9: INSTALL SLIDE PANELS (FIXED SIDELITE UNITS)

For Fixed Sidelite Units, there are two sides of the Header the Slide door can be installed:

- ► Trail Door
  - Interior
- ► Lead Door
  - Exterior

Section 9a: Install Trail Doors

Note: The Trail Door must always be installed on opposite side of the DS-150 Drive Pulley.

CAUTION **Do not test Breakout until all adjustments are made and doors are secured.**

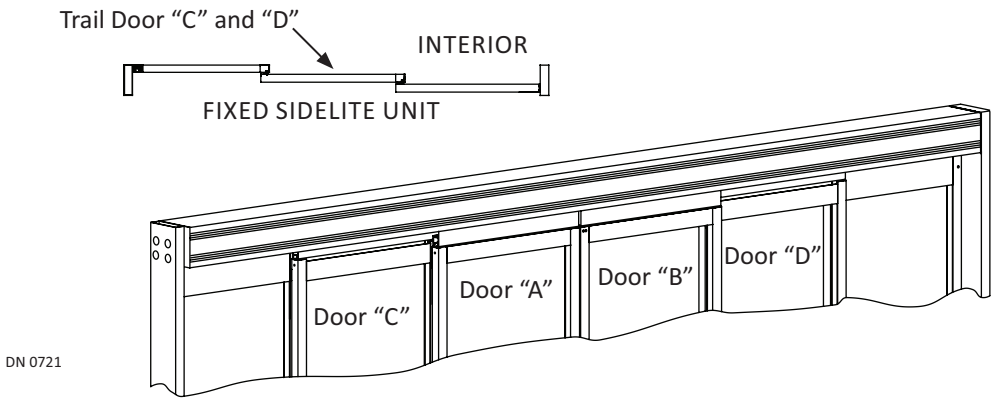


Figure 9-1 Trail Door Identification

9.a.a: Lift Carrier onto Track

The Carrier is pre-installed on the Top Rail and includes (4) Hanger Rollers. The Carrier is used to hang each Trail Door onto the Track located inside the Header.

1. Go to The Carrier located on Top Rail. Loosen nut on each Hanger Roller with a 1/2” open end Wrench. Please see Figure 9-2.

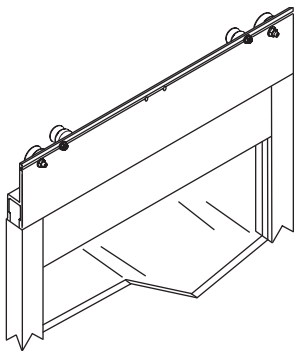


Figure 9-2 Carrier with Rollers

2. Go to the Bottom Lip of Cover. Remove (1) #8-32 x 5/8 inch Flat Head screw from the Header Mounting Bracket. Please see Figure 9-3.
   a. Save screw for reinstallation.
3. Open and then remove the Header Cover.
   a. Save screws for reinstallation.

Figure 9-3 Secure Header Mounting Bracket to Cover

4. Lift and then slightly tilt the Trail Door into the Header and then onto the Track. Please see Figure 9-4.
   a. The Trail Door is tilted to make it easier for rollers to 'catch' onto the track.

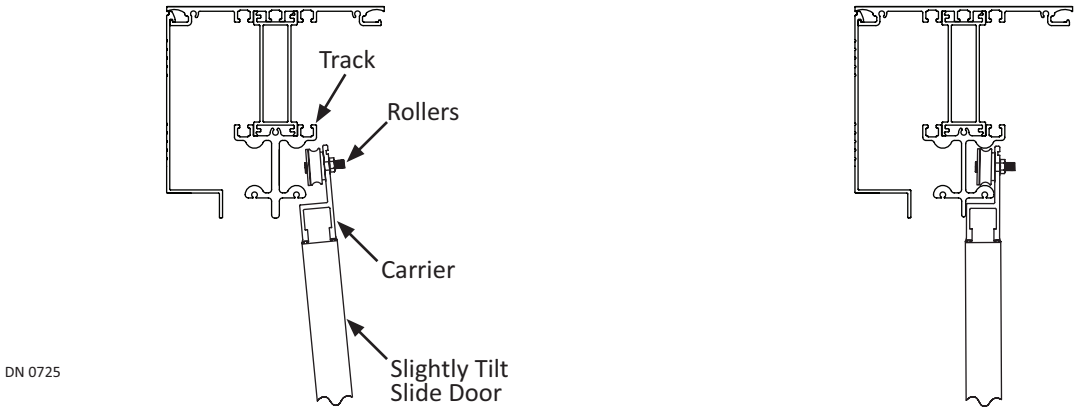


Figure 9-4 Install Carrier onto Track

9.a.b: Secure Belt Clip to Carrier

Belt Clips are pre-installed within the Header at the NABCO Factory. However, Belt Clips still need to be secured to the Carrier so the Door Panel can operate.

1. Fully close the door (lock if available).
2. Line up (2) Carrier screw holes to the Belt Clip that is pre-installed within Header.
3. Secure Belt Clip with (2) 1/4-20 x 3/4 inch Machine screws provided by NABCO. Please see Figure 9-5.

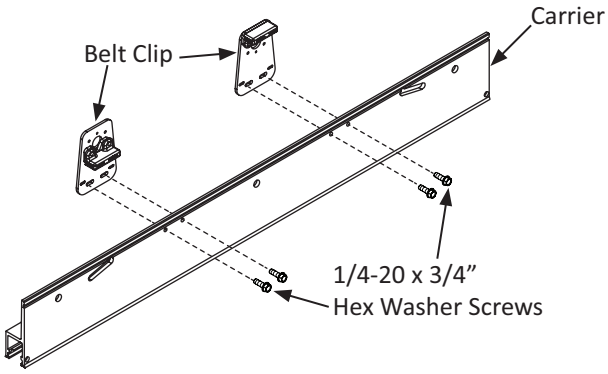


Figure 9-5 Secure Belt Clips to Carrier

9.a.c: Adjust Door Panel Height

The appropriate gap between the Bottom Rail and the floor can vary between 11/16 inch to 15/16 inch, with the nominal gap being 7/8 inch. Please see Figure 9-6.

Hanger Rollers are used to:

- ► Adjust the height of the Door Panel.
- ► Ensure leading edge of door and Sidelite Panel are parallel at the top or bottom.

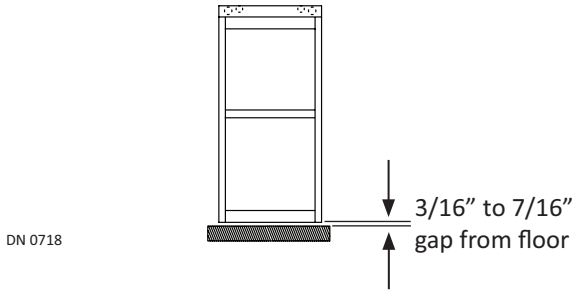


Figure 9-6 Floor Gap

1. Obtain one 1/2" Open End wrench, and one 5/32" Allen wrench.
2. Go to the Carrier. Ensure Hanger Roller nuts are loose.
   a. If Hanger Roller nuts are tight, loosen each nut with a 1/2" Open End Wrench.
3. Keep Hanger Roller nut from turning with a 1/2" Open End wrench. At same time insert 5/32" Allen wrench into the end.
4. Turn Axle clockwise to raise or lower the Door Panel.
5. Adjust (2) Hanger Rollers located at the far end of door first. Then adjust (2) Anti Rise Rollers in between. Please see Figure 9-7.
   a. This will evenly distribute door weight on all (2) Hanger Rollers.

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

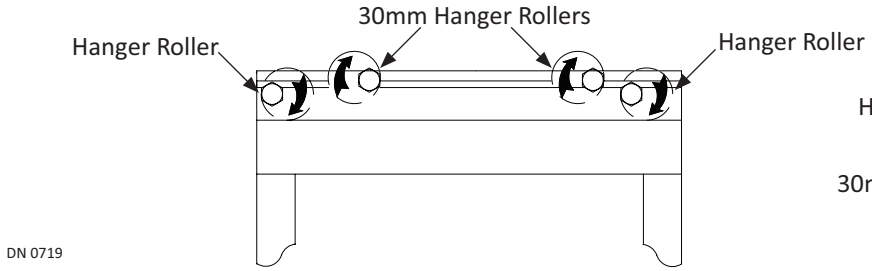


Figure 9-7 Door Adjustment

6. Check to ensure leading edge of door and Sidelite Panel are parallel.
   a. If gaps exist, make necessary adjustments to Hanger Rollers.
7. Insert 5/32" Allen wrench into end of Hanger Roller. Tighten nut with a 1/2" Open End wrench until the Hanger Roller is secured to the Carrier.
   a. Do not overtighten the nut.

9.a.d: Adjust Preload

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

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

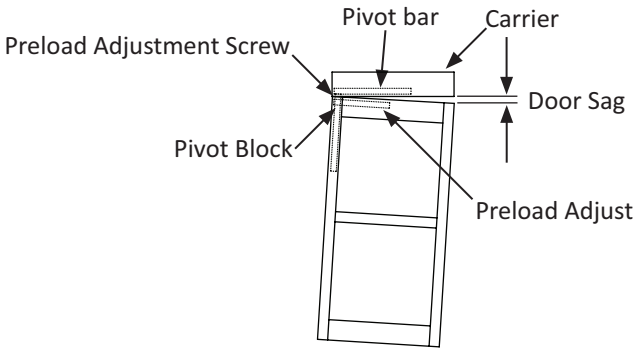


Figure 9-8 Check Door Sag

4. Go to the Preload Block located inside Top Rail. Please see Figure 9-3.
5. Loosen (2) Locking Bolts.
6. 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.

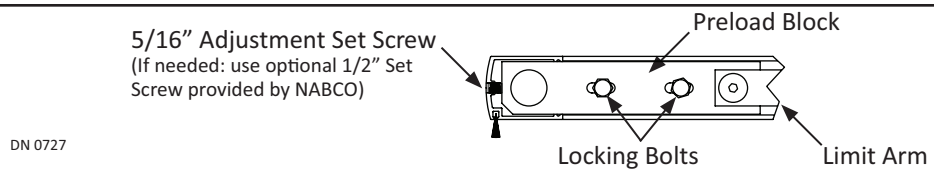


Figure 9-9 Adjust the Preload

9.a.e: 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 9-10.

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.

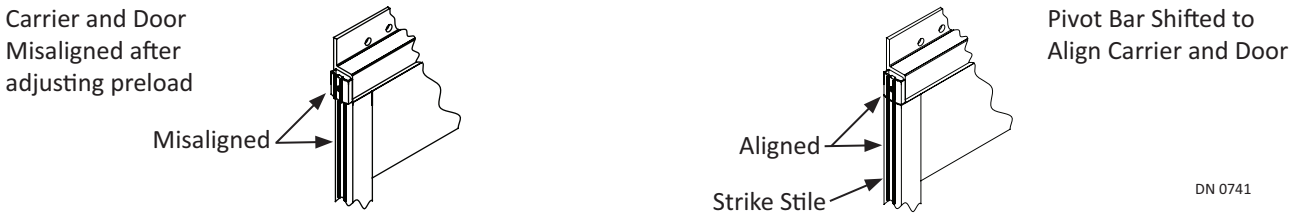


Figure 9-10 Correct Preload Misalignment

9.a.f: Install Bottom Guide Assembly

1. Obtain the Bottom Guide Assembly that was provided by NABCO.
   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 or the left side of door.

2. Go to Pivot Stile of Trail Door. Please see Figure 9-11.

3. Line up the Bracket part of Bottom Guide Assembly to (2) pre-drilled screw holes.

4. Secure Bottom Guide Assembly to the Pivot Stile with (2) Washers and (2) 1/4 - 20 x 1 inch Hex Head bolts.

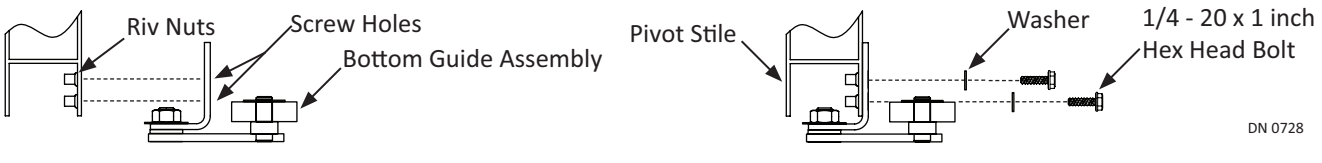


Figure 9-11 Install Bottom Guide Assembly to Slide Door

5. Go to the bottom of the Strike Stile located on Sidelite Panel.

6. Remove the pre-installed End Cap Bracket, End Cap Cover and (4) #10-24 x 3/4 inch Flat Head screws. Please see Figure 9-12.
   a. Save Hardware for reinstallation.

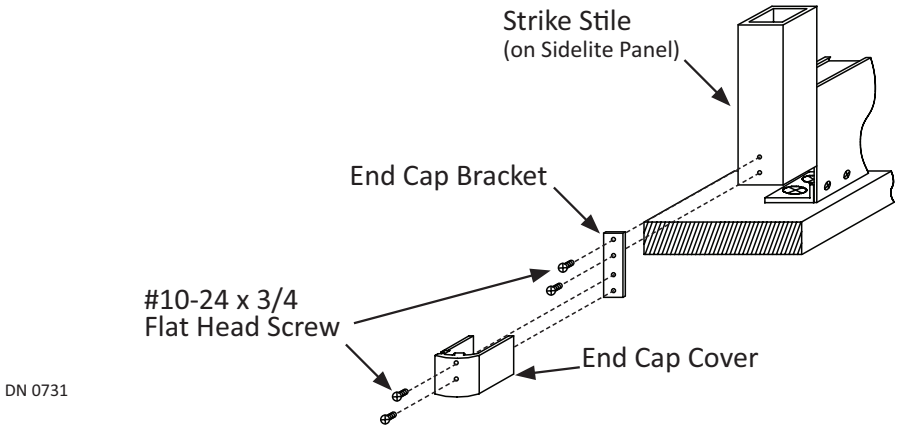


Figure 9-12 Remove End Cover from StrikeStile on Sidelite Panel

7. Slide the Trail Door until the Bottom Guide Assembly can slide underneath the Strike Stile and then into the Bottom Rail of Sidelite Panel. Please see Figure 9-13.

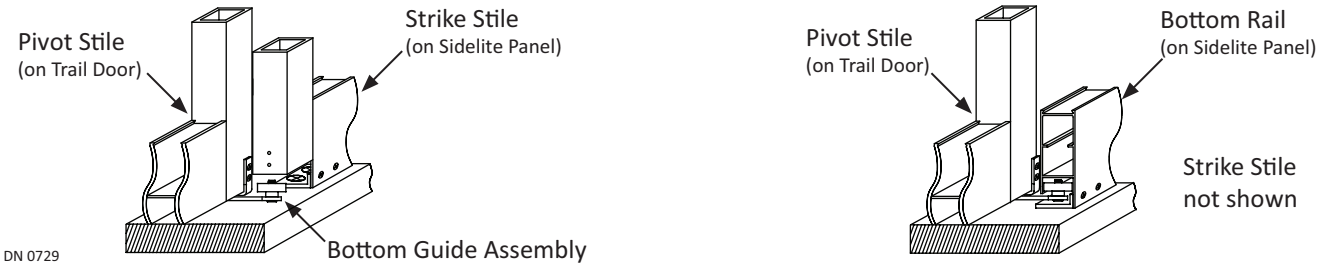


Figure 9-13 Slide Bottom Guide Assembly under Strike Stile and into Bottom Rail

9.a.g: Install End Cap Cover on Lead Stile

1. Obtain the End Cap Cover, Bracket and (4) screws that were saved for reinstallation.

2. Insert the End Cap Bracket up into the Strike Stile of the Fixed Sidelite. Please see Figure 9-14.

3. Align the End Cap Bracket to the (2) screw holes located on the (inside) face of Strike Stile.

4. Secure the End Cap Bracket to the Strike Stile with (2) #10-24 x 3/4 inch Flat Head screws.

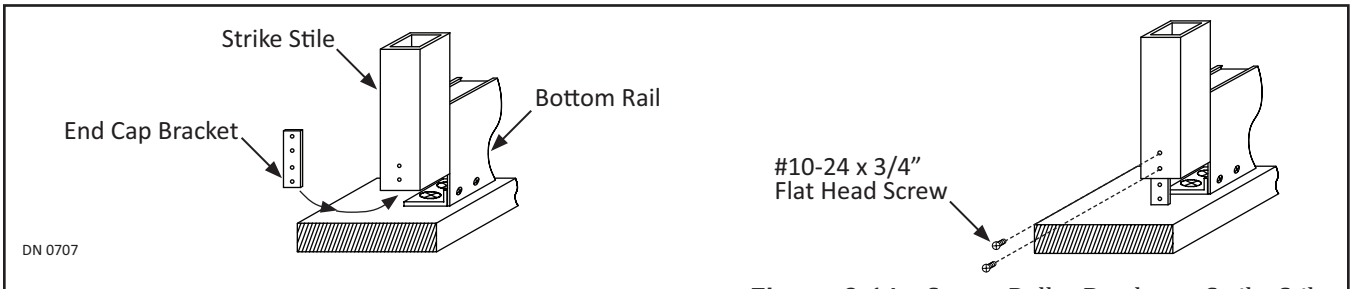


Figure 9-14 Secure Roller Bracket to Strike Stile

5. Align End Cap Cover to the bottom (2) screw holes on the End Cap Bracket. Please see Figure 9-15.
6. Secure the End Cap Cover to End Cap Bracket with (2) #10-24 x 3/4 inch Flat Head screws.

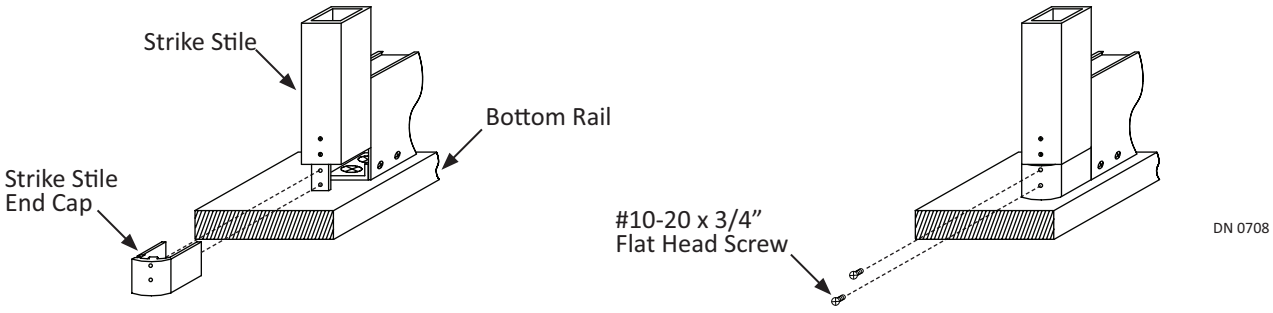


Figure 9-15 Secure Cover to the Roller Bracket

Section 9b: Install Lead Doors

*Note: The Lead Door must always be installed on **same** side as the DS-150 Drive Pulley.*

1. For Fixed Sidelite Units, go to the Exterior side of Header. Please see Figure 9-16.

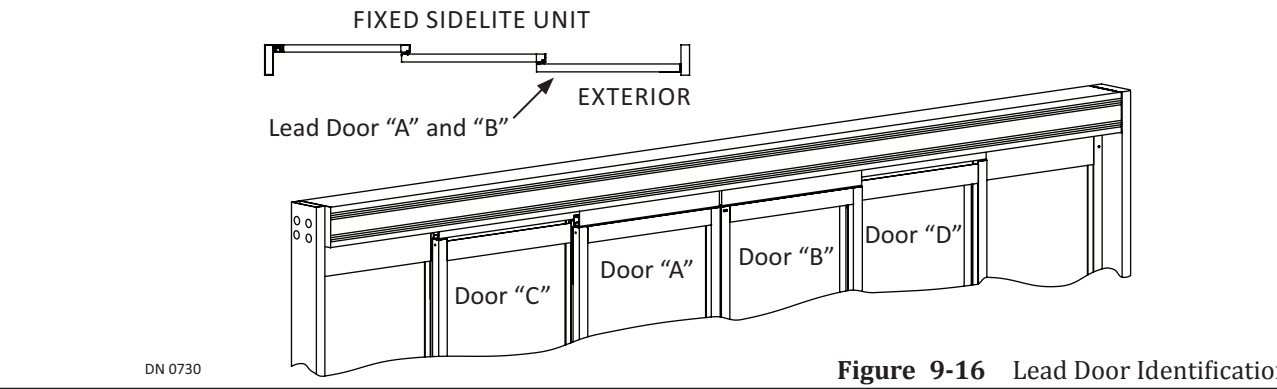


Figure 9-16 Lead Door Identification

CAUTION **Do not test Breakout until all adjustments are made and doors are secured.**

2. Follow instructions within "9.a.a: Lift Carrier onto Track" through "9.a.d: Adjust Preload".
3. Adjust Door Stops for the Lead Door to the dimension shown in in Figure 9-17.
   a. Adjust Belt Clip location on Trail Door as necessary to achieve dimension in Figure 9-17.

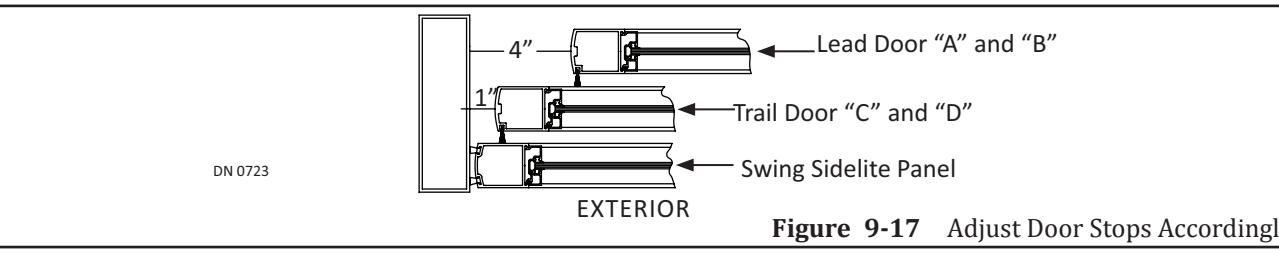


Figure 9-17 Adjust Door Stops Accordingly

4. Replace and secure Header Cover with (2) screws that were saved for reinstallation.

9.b.a: Install Bottom Guide Assembly (Fixed Sidelite Only)

1. Obtain the Bottom Guide Assembly that was provided by NABCO.
   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 or the left side of door.
2. Go to Pivot Stile of Lead Door. Please see Figure 9-18.
3. Line up the Bracket part of Bottom Guide Assembly to (2) pre-drilled screw holes on face of Pivot Stile.
4. Secure Bottom Guide Assembly to Pivot Stile with (2) Washers and (2) 1/4 - 20 x 1 inch Hex Head bolts.

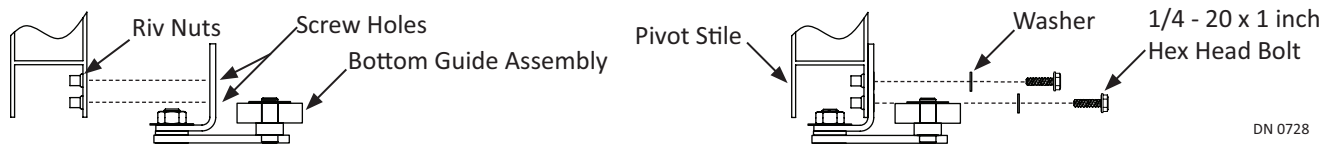


Figure 9-18 Install Bottom Guide Assembly to Slide Door

5. Go to bottom of Lead Stile located on Trail Door.
6. Remove the pre-installed Bottom Cavity Cover and (2) screws . Please see Figure 9-19.
   a. Save Hardware for reinstallation.

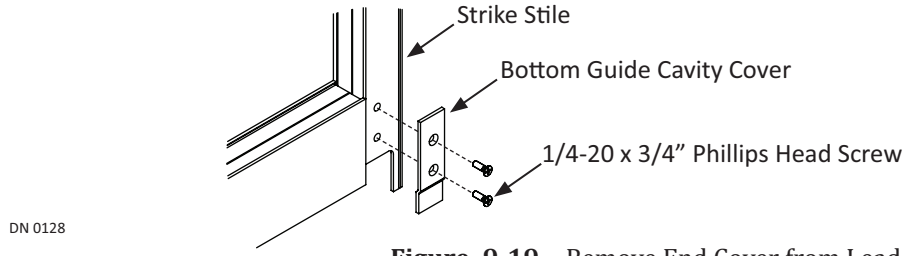


Figure 9-19 Remove End Cover from Lead Stile on Trail Door

7. Position the Lead Door so the Bottom Guide Assembly can be inserted into the opening of the Lead Stile. Please see Figure 9-20.
8. Slide the Lead Door so the Bottom Rail of Trail Door.

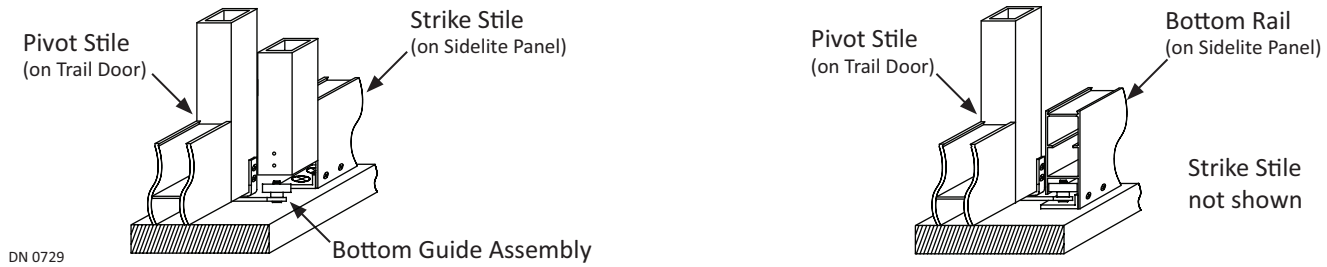


Figure 9-20 Slide Bottom Guide Assembly under Strike Stile and into Bottom Rail

9. Resecure the Bottom Guide Cavity Cover onto Lead Stile of Trail Door.

CHAPTER 10: PANIC ADJUSTMENT

Section 10a: 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 10-1.

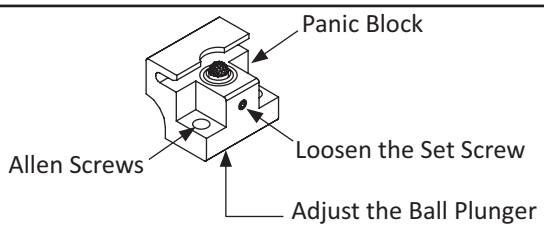


Figure 10-1 Panic Adjustment

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 11: INSTALL WEATHERING

Due to the location of the Bottom Guide Assembly the Weathering Extrusion is bent at the NABCO Factory and needs to be installed on the following Panels:

- ► Full Open Unit
  - Sidelite
  - Trail Door
- ► Fixed Sidelite Unit
  - Trail Door

Straight Weathering Extrusion is installed on the following Panels:

- ► Full Open Unit
  - Lead Door
- ► Fixed Sidelite Unit
  - Lead Door

Note: Weathering Extrusion is not installed on the Fixed Sidelite Panel.

1. Go to the weathering extrusion located at bottom of Slide Door. Please see Figure 11-1.

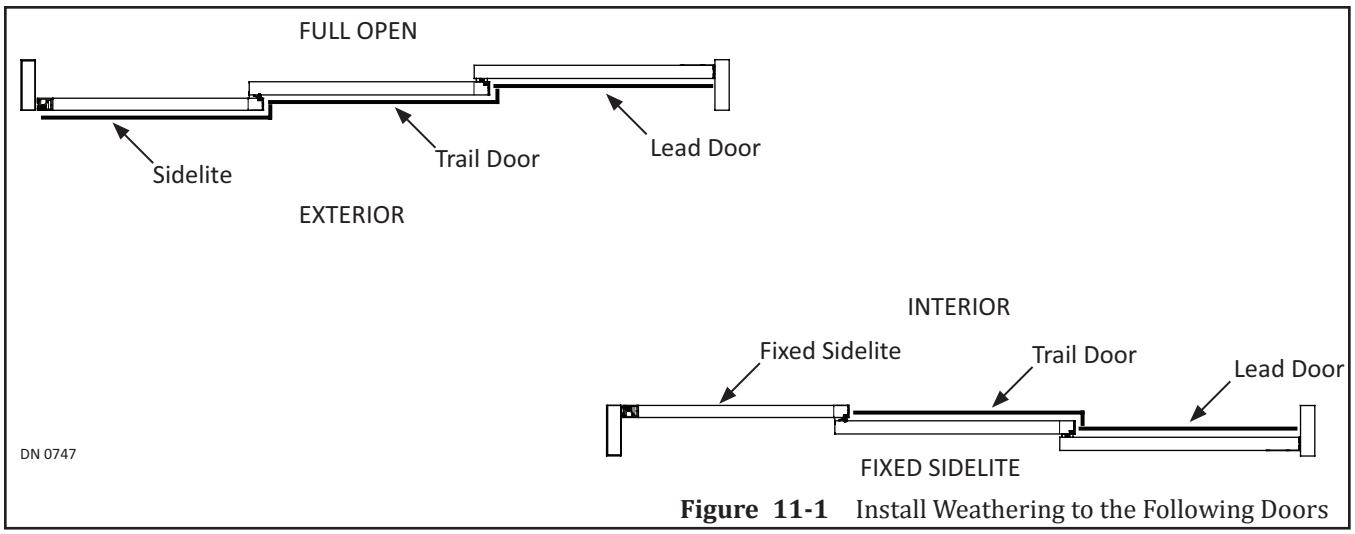


Figure 11-1 Install Weathering to the Following Doors

2. Slide the brush into Straight Weathering Extrusions.
   a. Cut off any excess brush after installation.
3. Mark locations of three slots and drill a 1/8 inch diameter hole at each mark.
4. Secure weathering extrusions on the face of Slide Door with #6 x 1/2 inch self tapping (color coordinated) screws provided by NABCO. Please see Figure 11-2 or Figure 11-3.

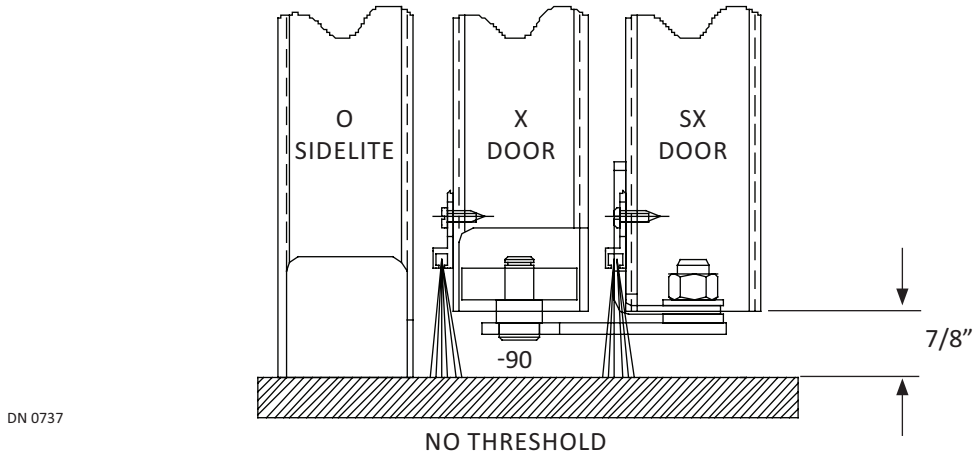


Figure 11-2 Fixed Sidelite

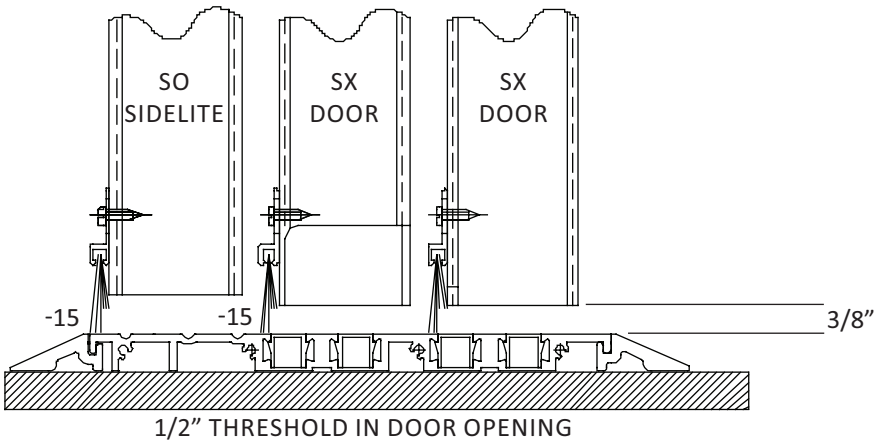


Figure 11-3 Full Open

CHAPTER 12: INSTALL THE ACUSENSORS

The GT-1175 Telescopic Slide Door System comes with identical Acusensors. The width of a clear door opening dictates and how many sensors will needed. For units that have a clear opening of:

- ► 72 inches or less:
  - (2) Acusensors are used
- ► 72 inches or more:
  - (4) Acusensors are used

Acusensors are installed on both sides of the Header and are wired differently to operate as an:

- ► Exterior Acusensor
  - With Safety only in One Way Traffic Mode Interior Acusensor
- ► Interior Acusensor
  - Activation and Safety

*Note: For wiring details please refer to "Model GT-1175 Electrical Installation Manual **with U30 Microprocessor Controller** P/N 15-10596-30; for wiring details.*

Note: The Safety Circuit remains active and can not be turned off.

The Exterior Acusensor is located on the same side the Door Panel can breakout. One way mode can be reversed in the field by swapping connectors where each Acusensor plugs into the main harness.

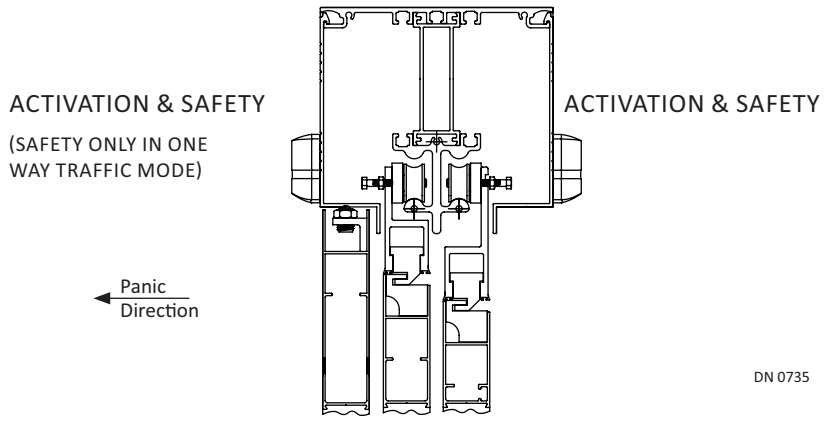


Figure 12-1 Acusensor (Full Open Shown)

1. Obtain (2) Sensors and (1) drilling template provided by NABCO.
   a. If the Header is 'factory prepped', the drilling template can be discarded.
2. If not already, remove the Access cover from the Header.
   a. Save screws for reinstallation.

3. Carefully pry off cover from the Exterior Acusensor.
4. Route the Acusensor Extension Harness connected to the Main Harness from the U30 Microprocessor Control, through the access hole located on the Exterior side of Header.
5. Plug the Acusensor Extension harness to the Acusensor Harness.
6. Remove screws from the pre-drilled screw holes of the Acusensor.
   a. Save screws for reinstallation.
7. Align the Acusensor screw holes to the pre-drilled screw holes on the Header.
8. Secure the Acuensor to Header with screws that were saved for reinstallation.
9. Reinstall the Sensor Cover.
10. Repeat instructions for the Interior Acusensor.

Section 12a: Holding Beams

Holding Beams are pre-installed at the NABCO Factory and consist of (1) emitter and (1) detector. Holding Beams are flush mounted to Jamb tubes, facing each other with a pulsed, infrared light beam that continuously transmits across the door opening. Holding Beams causes the Door Panel to open and stay open when an object is detected. During Breakout Holding Beams shut down. Please refer to “Model GT-1175 Electrical Installation Manual **with U30 Microprocessor Controller** P/N 15-10596-30; for wiring details.

12.a.a: Breakout Beams (Fixed Sidelite Only)

Breakout Beams are required for Fixed Sidelite Units to take place of a Reed Switch (used on Full Open Units) and to detect Breakout. Please refer to “Model GT-1175 Electrical Installation Manual **with U30 Microprocessor Controller** P/N 15-10596-30; for wiring details.

Note: A second Optex i-one is required for additional Optex Beams.

CHAPTER 13: TROUBLESHOOTING

Trouble	Action
Acusensor does not reach out far enough.	▶ Increase the area lever on the side of the Acusensor to a higher number. ▶ Increase the opening speed on the door with the Handy Terminal.
Acusensor is not seeing people accessing the door from the side.	▶ Turn on more of the area switches on the front of the Acusensor.
When the doors are panicked open, the system does not shut down.	▶ Check the wiring of the power down switch in the fixed panel or bottom of header.
Doors do not move when power is applied or handy terminal connected.	▶ Confirm the swing panel is closed completely. ▶ Check the power down magnet in the top rail of the swing panel is installed and aligned with the magnetic power down switch in the bottom of the header. ▶ To locate the problem circuit, disconnect the plugs at the Acusensor. The Microprocessor will ignore any switch or sensor when it is unplugged from the circuit.
The cover on the Acusensor will not snap on.	▶ Install a couple of thin washers to space the Acusensor off from the header and provide clearance for the cover.
Doors move very slowly when the Handy Terminal is connected.	▶ This is normal. It is “learning” the door stroke. ▶ After learning the stroke, the handy terminal will prompt you with options.
Doors do not open completely.	▶ Look for obstructions in the track as well as inside the header. Check to make sure that the belt clips are not hitting something. ▶ Check that the mode switch on the panel is not in “Reduced Opening” mode. ▶ Use the handy terminal and reinitialize the system.
Need to eliminate all outside switches and sensors and make the system operate in automatic mode.	▶ Disconnect the 12-pin connector from inside the microprocessor and install the special connector jumper tool P/N 115941 into its place. ▶ The system will consist of only the motor, operator and control box (Microprocessor). The handy terminal will be the only means of operating the door.
Door does not run in “ON”, but may run in “OFF”.	▶ The holding beam connector (it has a red and a white wire in it) in the main harness may be inadvertently plugged into one of the “Power Down” (blue wires) plugs. Unless you are running holding beams, this plug should be vacant. Any vacant “Power Down” plugs should have a jumper installed.

Trouble	Action
Need to reset the system back to the factory settings.	▶ Plug in handy terminal and wait for the door to close. ▶ At “Swing/Slide Stroke?” enter YES. ▶ At “Swing Door Y or N?” enter YES (even though you have a slide door). ▶ Door will try to initialize as a swing door and reset the settings. ▶ It will prompt you with “Swing/Slide Stroke” enter YES. ▶ At “Swing Door Y or N?” enter NO. ▶ The system will now initialize as a slider door at the factory settings. ▶ You must set the door stroke from the handy terminal from the prompts at this point.