GT2100 Full Open, no Track Self Close Slide Door Installation Manual

P/N C-00094 Rev 5-19-22

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Associated Manuals Part Numbers: *Manual Slide Door Owner's Manual (P/N C-00189) for Decal Installation*
NABCO Price Book" for Sensors, Switches, and Accessories (P/N 16-9244-30)

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CHAPTER 1: 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.**

Attention: A situation where material could be damaged or the function impaired.

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.

CHAPTER 2: GENERAL SAFETY RECOMMENDATIONS

DANGER **Disconnect all power to the junction box prior to making any electrical connections. Failure to do so may result in seriouc personal or fatal injury. When uncertain whether power supply is disconnected, always verify using a voltmeter.**

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

WARNING **Read, study and understand the installation and operating instructions contained in, or referenced in this manual before operating. If you do not understand the instruction, ask a qualified technician. Failure to do so may result in bodily injury, or property damage and will nullify all warranties.**

CAUTION **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.**

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

CHAPTER 3: SCOPE

SECTION 3.1: 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. In the United States ANSI Standard Z97.1 covers Glass Installation. It is the installer's responsibility to inspect the operation of the entrance system to be sure it complies with any applicable standards.

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-2100 Manual Slide door can be certified to have an Air Infiltration NFPA-105 rating for sprinklered buildings (in the United States only).

SECTION 3.2: Objective

The GT-2100 is designed to be installed within a rough opening of a building. The Door functions to manually open, and then automatically close. Both the Sidelite and Slide door have a full breakout feature. This manual offers step by step instructions.

CAUTION **A pedestrian Door that does not have Its glass sections installed at the Factory shall specify that the glazing material employed is to comply with the requirement in UL 325 par.30.5.1:**

"The glazing material in both fixed and sliding panels of all sliding doors and in all unframed swinging doors shall comply with the requirements in the Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings, ANSI Z97.1. Glazing material for other pedestrian doors shall also comply with ANSI Z97.1, except that single strength or heavier glass may be used for those portions of doors involving a glazed area of less than 1ft^2 (0.9 m^2) and having no dimension greater than 18 in (457 mm)".

CHAPTER 4: GETTING STARTED

SECTION 4.1: Associated Manuals

For User convenience there are now (2) ways to obtain associated Manuals:

- ▶ All Associated Manuals are packed within Decal Packets that are placed inside Header.
- ▶ For Electronic copies please log onto: www.nabcoentrances.com → myNABCO portal.

SECTION 4.2: Request a User Name/Password to gain access into the "myNABCO" portal

To gain access into the "myNABCO" portal, the User must first have an assigned User Name and Password. To request a User Name and Password, the following must be done:

1. Open the NABCO Website: www.nabcoentrances.com
2. Enter the "myNABCO" portal → Request Access → Fill out the Request Access Form → Click onto Register
   a. A User Name and Password will be emailed back to the requestor.

SECTION 4.3: Type of Unit

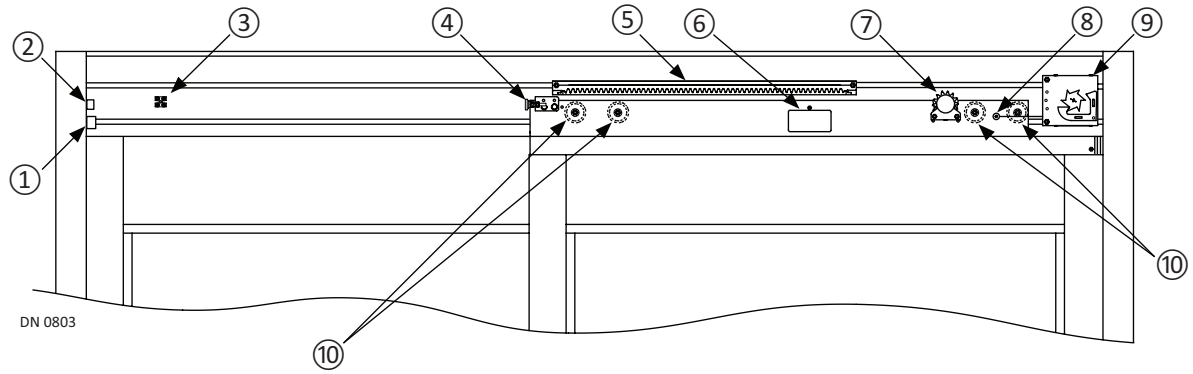
- ▶ Mechanical Configuration:
  - Self Closing Slide Door: Automatically closes after being manually opened.
  - Hold Open capability that requires power to Header.
- ▶ Emergency Egress: Both the Slide door and Sidelite breakout for emergency egress.
- ▶ Maximum Door Weight Limit: 135 pounds

Figure 1 Breakout for Full Open Slide Door

SECTION 4.4: Power Requirements (for Hold Open Option)

- ▶ 24VDC, 250mA minimum, UL Listed class 2 power supply.
- ▶ May use: Power Supply 24 VDC, 0.5A; NABCO P/N V-00022.

SECTION 4.5: Header Components



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

CHAPTER 5: BEFORE ASSEMBLING THE DOOR FRAME

SECTION 5.1: Inspect the Rough Opening

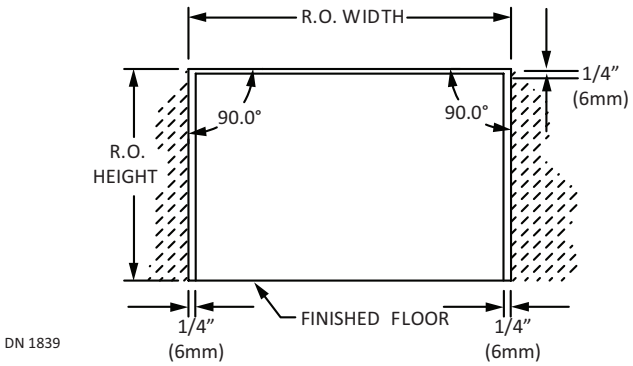


Figure 2 Masonry Opening

1. Ensure the Rough Opening is correct size.
   - 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**
2. Ensure the floor is level across the entire opening. Make allowances for tile or other existing materials that may change the floor height.

SECTION 5.2: Remove the Header Cover

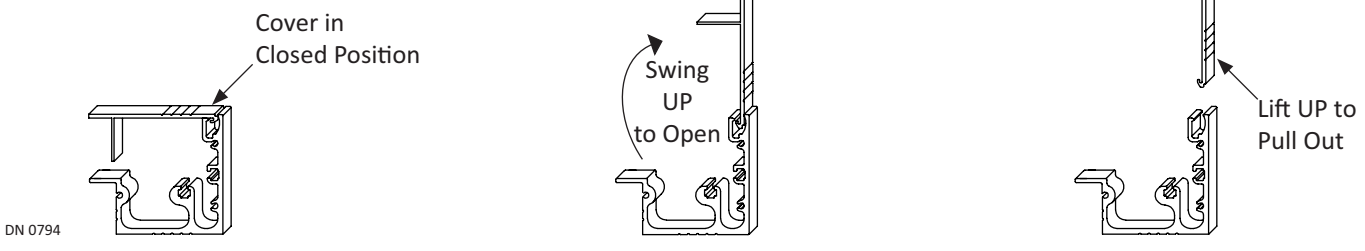


Figure 3 Remove Header Cover

1. Remove (2) 10-24 x 0.625 inch screws. Remove Header Cover by lifting it up and then pulling it out.
2. If any, remove Parts boxes and/or Parts bags from inside Header.

CHAPTER 6: ASSEMBLE DOOR FRAME

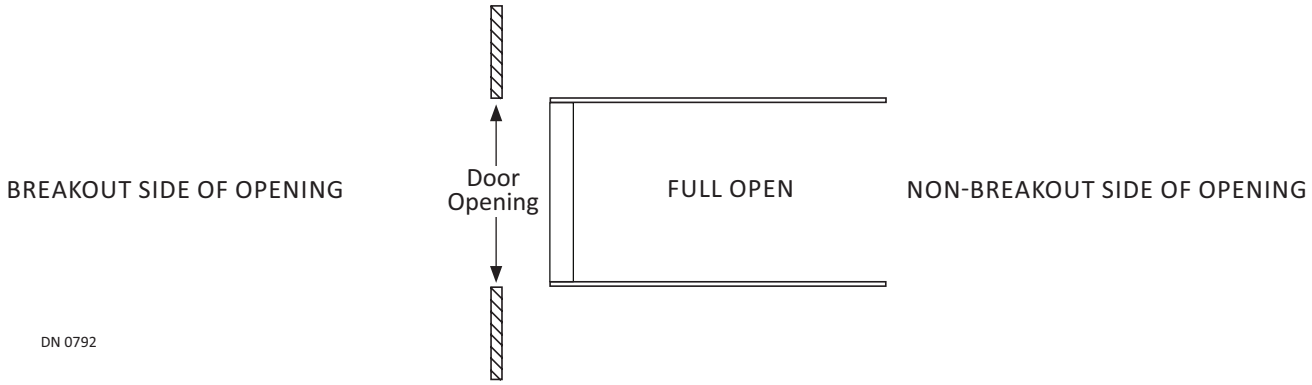


Figure 4 Assemble and Orientate Frame

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

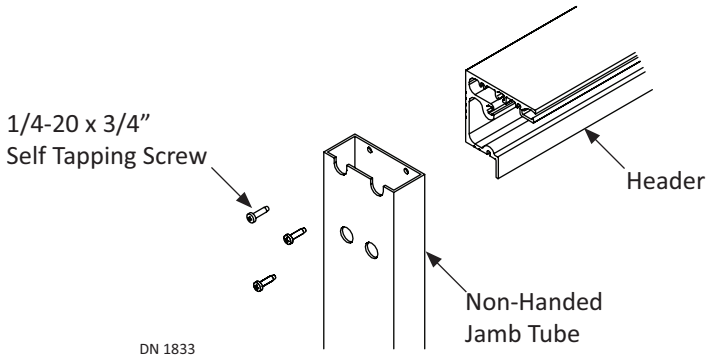


Figure 5 Secure Header to Jamb Tubes

4. Secure Header to Jamb Tubes with (3) 1/4-20 x 3/4 inch Self Tapping Screws.
   a. Jamb Tubes are Non-Handed and pre-drilled with (4) screw holes

CHAPTER 7: SECURE DOOR FRAME TO BUILDING

1. Lift to position the assembled Frame into the rough opening.
2. Shim and Plumb Jamb Tubes in both planes to ensure the rough opening allows a 1/4 inch clearance. Shim and plumb the Header or the Transom Horizontal at the top to ensure the rough opening allows a 1/4 inch clearance.

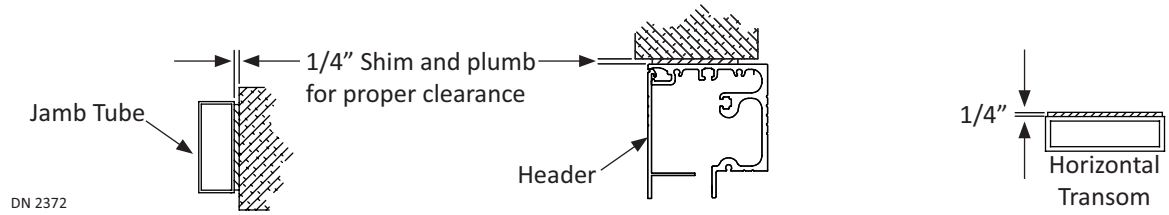


Figure 6 Shim and Plumb Frame

SECTION 7.1: Anchor Placements

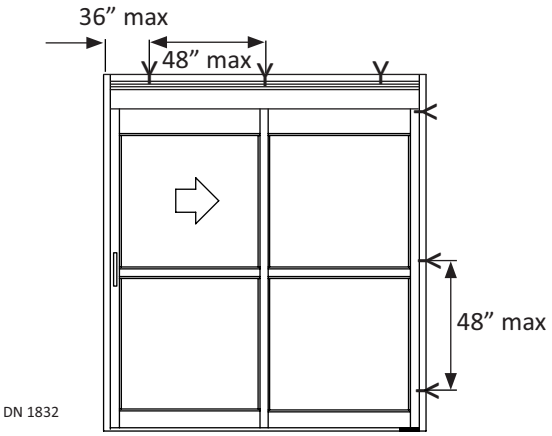


Figure 7 Anchor Placement

- Anchors are not provided by NABCO. Anchors must be appropriate for the type of structure being fastened to.
- Screw in anchors to secure the Frame (per manufacturer’s specifications).

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: Do not overtighten anchors to prevent deforming Jamb Tubes.

7.1.1 Jamb Tubes

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.

7.1.2 Header

To prevent Header sag, 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. Drill 1/4 inch diameter holes inside the top of Header.

CHAPTER 8: INSTALL THE FULL OPEN SIDELITE

SECTION 8.1: Install the Bottom Pivot

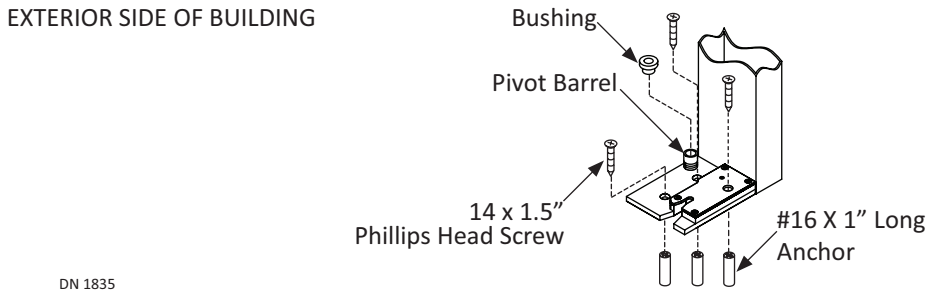


Figure 8 Temporarily Secure Bottom Bracket to Jamb Tube

1. Center and then butt the Bottom Pivot Assembly up against the Pivot Jamb Tube.
   a. Ensure the Bottom Pivot Barrel is on the Exterior side of Building.
2. Use the Bottom Pivot as a template. Mark and drill (3) 1/4 inch screw holes into the floor at least 1-1/2 inches deep.
3. Insert (1) #16 x 1 inch Anchor into each drilled hole.
4. Secure the Bottom Pivot to Floor with (3) #14 x 1-1/2 inch Screws.
5. Cap the Bottom Pivot Barrel with (1) Bushing.

SECTION 8.2: Insert Pivot Pins into Pivots

1. Go to the Pivot Pin located inside the Pivot Stile, at the bottom. Carefully insert the Pivot Pin inside Bottom Pivot Bushing.

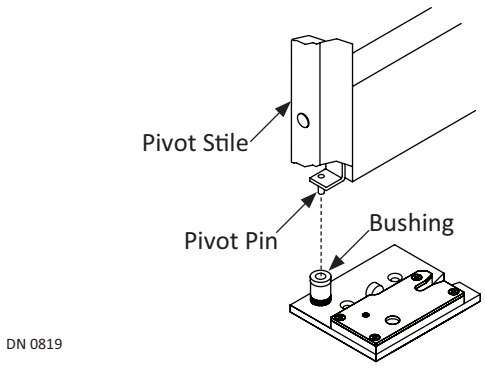


Figure 9 Insert Pivot Pin into Bottom Pivot

2. Align the Retracting Pivot Pin to the Pivot Pin hole located at the bottom of Header. Push the Retracting Pivot Pin down, and then let go so the Pin can snap into the Pivot Hole.
   a. Ensure the Retracting Pivot Pin fully engages the hole. If necessary, lift up on the Retracting Pivot Pin with a screwdriver.

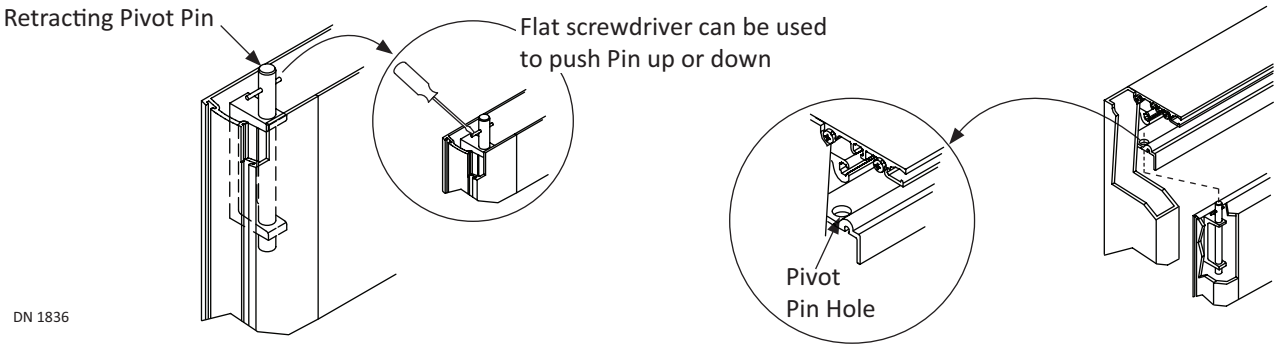


Figure 10 Insert Retracting Pivot Pin into Header

SECTION 8.3: Adjust Door Height

1. Remove the Sidelite Panel.
2. Go to the Bottom Pivot. Remove (1) Bushing, (1) 1/4-20 x 3/4 inch Screw, and the Bottom Pivot Barrel.
3. To adjust Door Height, add or subtract 1-3 Washers from underneath the Bottom Pivot Barrel.
4. Reinstall hardware and Sidelite Panel.

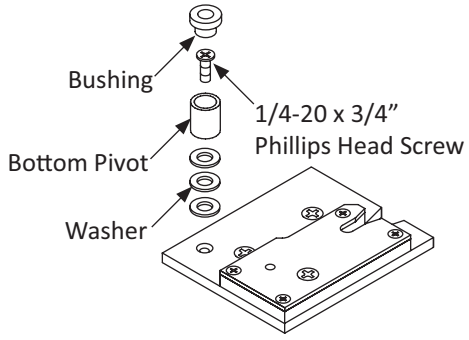


Figure 11 Remove Washers to Adjust Door Height

SECTION 8.4: Prepare the Header for the Flush Bolt

1. Open the Sidelite 10 - 15 degrees.
2. Go to the Strike side of Sidelite Panel. Locate and then raise the Flush Bolt so it extends past the top of door.
3. Close the Sidelite Panel until the Flush Bolt butts up against the face of Header. Locate and mark the center of the Flush Bolt.

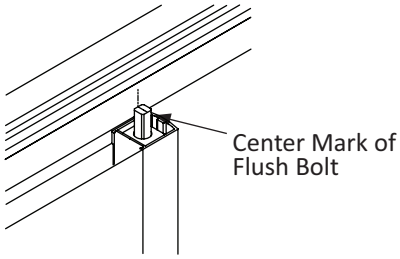


Figure 12 Mark Center of Flush Bolt on Face of Header

4. Open the Sidelite Panel.
5. Extend the marked line down to the bottom, and then under the Header until the second groove, closest to the Face of Header Lip, is reached (Flush Bolt Groove).
6. Drill a 37/64 inch hole into the center of the Flush Bolt Groove.

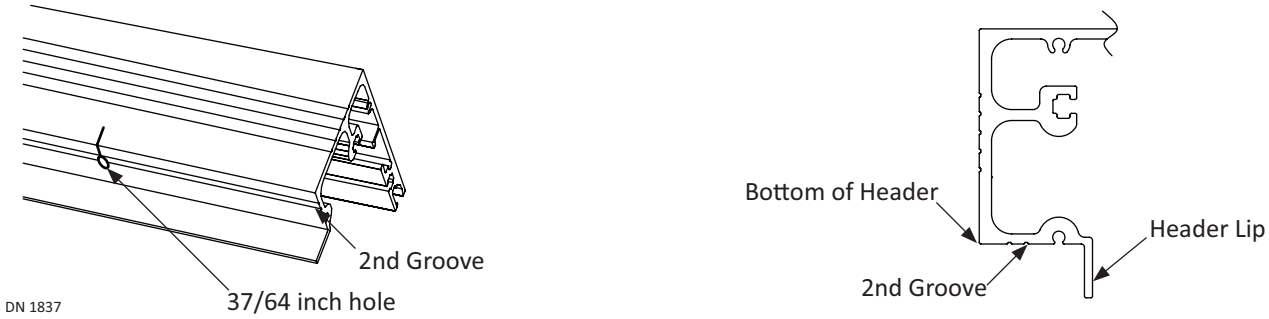


Figure 13 Drill a 37/64 inch Hole

7. Lower the Bolt. Fully close the Sidelite Panel.
8. Raise the Bolt to ensure it properly fits inside the drilled Hole.

SECTION 8.5: Install the Bottom Guide

1. Obtain (1) Bottom Guide, (2) 1/4” Star Washers, and (2) 1/4 - 20 x 3/4 inch Hex Head Cap screws.
2. Go to the Strike Stile on Sidelite Panel. Locate (2) pre-drilled screw holes at the bottom.
3. Slide (1) 1/4 inch Star Washer onto each 1/4 - 20 x 3/4 inch Hex Head Cap screw.
4. Position the Bottom Guide so it is flush with the bottom of the Sidelite.
5. With a 7/16 inch Box End Wrench, secure Bottom Guide to the Sidelite Panel with 1/4 - 20 x 3/4 inch Hex Head Cap screws.

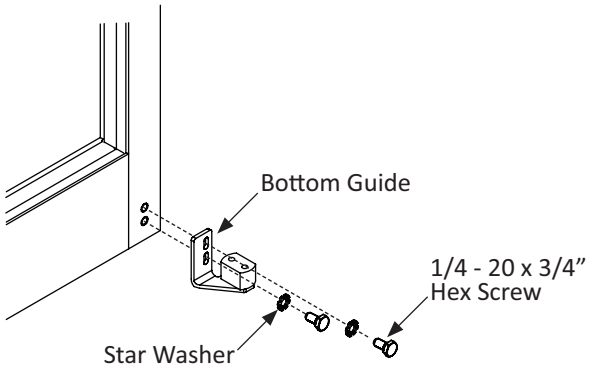


Figure 14 Slide Bottom Guide Assembly into Bottom Rail

CHAPTER 9: INSTALL THE SLIDE DOOR

SECTION 9.1: Wire the Rocker Switch and Electromagnet

DANGER **Shut the installation site, branch Circuit Breaker OFF. Failure to do so may result in serious personal or fatal injury. Always verify the power supply is disconnected, with a voltmeter.**

WARNING **All high voltage electrical connections must be made by licensed electricians according to National and Local electrical codes/regulations.**

CAUTION **Ensure that the Grounding of the Electric Power Supply is installed/connected in a proper way (especially the PE Cable from the Building Side).**

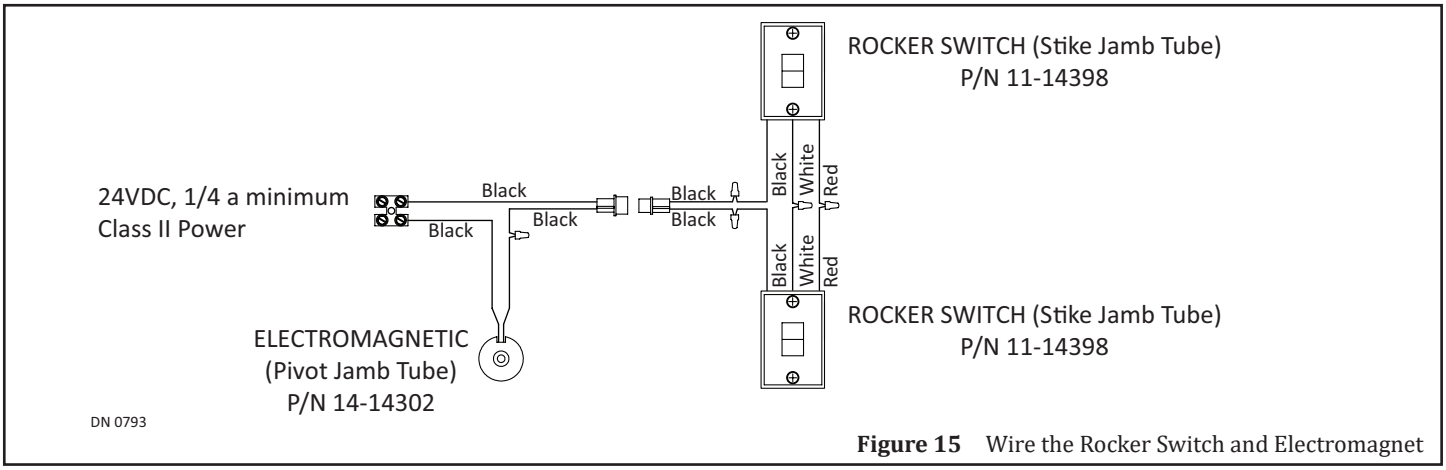


Figure 15 Wire the Rocker Switch and Electromagnet

SECTION 9.2: Lift Carrier onto Track

Attention: It is the responsibility of the Installer to reverse Hanger Roller location before installing the Slide Door.

1. Cover the Trail door with cardboard on the side that will face the Lead door.
2. Go to the front side of Carrier located on Top Rail of Slide door.
3. Remove each Hanger Roller by loosening the nut with a 1/2” open end Wrench.
4. 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 Face of Carrier.

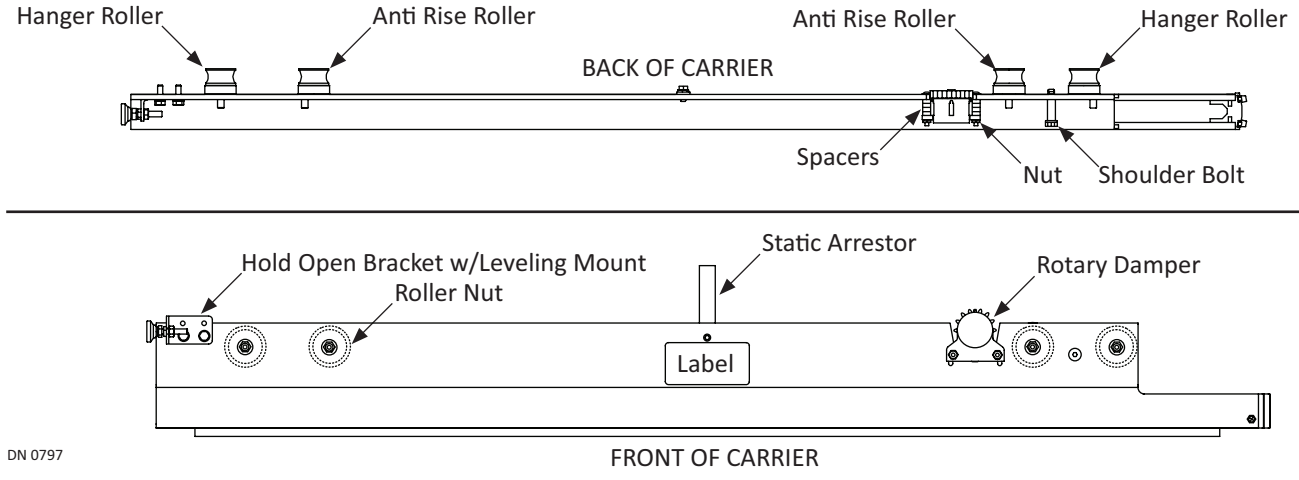


Figure 16 Carrier with Rollers

5. Go to the Rotary Damper. Loosen 2) #10 hex nuts with a 3/8 inch wrench, until the Rotary Damper slides down the slots.
6. With Slide door tilted install the Carrier onto the Track.
   a. Slide door is slightly tilted to make it easier for the (4) Rollers to 'catch' onto the track.

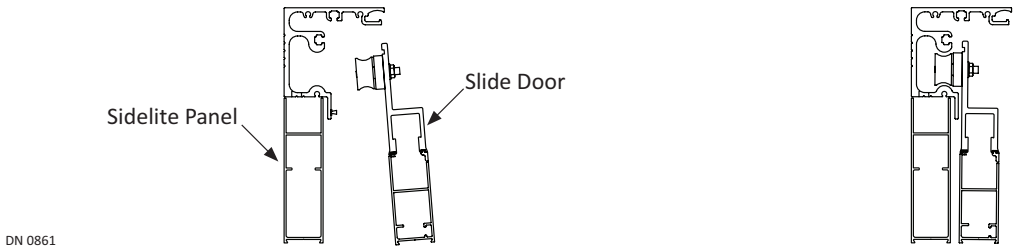


Figure 17 Lift Carrier onto Track

SECTION 9.3: Align the Rotary Damper to the Control Rack

1. Manually open the Slide door until the Rotary Damper is directly underneath the Control Rack.
2. Go to the Rotary Damper. If not already loosened; 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. To ensure proper engagement between Rotary Damper and Control Rack, slide the door back and forth to check for binding or chatter.

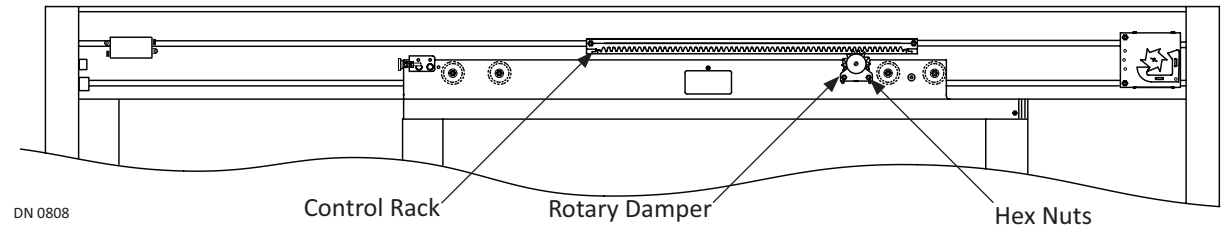


Figure 18 Fit Rotary Damper into Control Rack

SECTION 9.4: Attach the Pull Spring to the Carrier

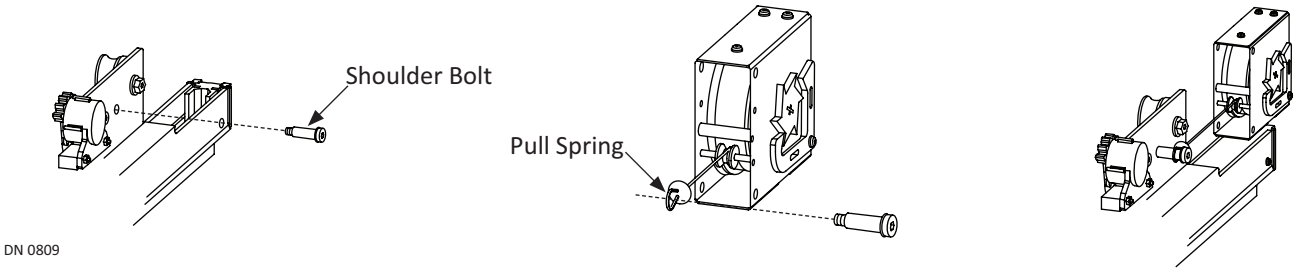


Figure 19 Connect Pull Spring to Shoulder Bolt

1. Fully close the Slide door. Go to the Shoulder Bolt located between (2) Hanger Rollers closest to the Strike Jamb.
2. Remove the Shoulder Bolt with a 3/16 inch Allen Wrench. Attach the Pull Spring to the Shoulder Bolt.
3. Reinstall the Shoulder Bolt with the Pull Spring attached.

SECTION 9.5: Align Slide Door with Electromagnet and Door Stop Bumper

1. Fully Open the Slide door. Check alignment between the:
   - ▶ Carrier and Door Stop.
   - ▶ Electromagnet and Hold Open Bracket Assembly.
   a. Both pairs should come in contact at the same time.

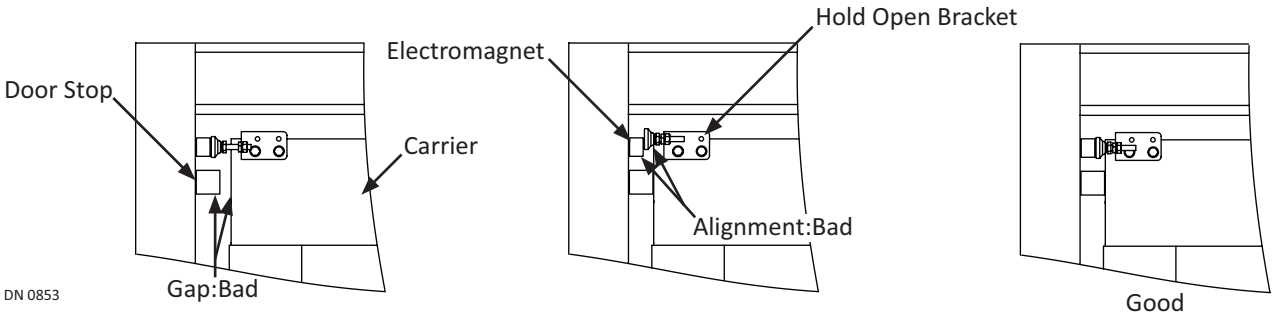


Figure 20 Align Slide Door with Stop Bumper and Electromagnet

9.5.1 Adjust Gap between Carrier and Door Stop

1. Go to the Hold Open Bracket Assembly. Loosen (2) 1/4-20 Hex Nuts.
2. Fully open the Slide Door until the Carrier butts against the Door Stop. Tighten (2) 1/4-20 Hex Nuts.

9.5.2 Adjust Gap between Carrier and Door Stop

1. Go to the Hold Open Bracket Assembly. Loosen (2) 1/4-20 Hex Nuts.
2. Raise the Bolt up or down until the Level Mount is properly aligned with the Electromagnet. Tighten 1/4-20 Hex Nuts.
   a. If the Hold Open Bracket needs to be raised/lowered more:
      1. Go to the Hold Open Bracket (Back Plate). Remove (2) 1/4-20x0.750" Hex Head screws and (2) Star Washers.
      2. Raise or lower the Hold Open Bracket until the Level Mount is properly aligned with the Electromagnet.
      3. Tighten the (2) 1/4-20x0.750" Hex Head screws and (2) Star Washers.

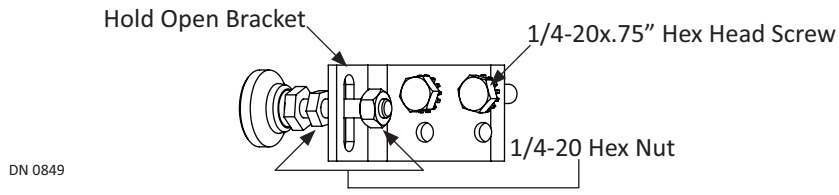


Figure 21 Raise/Lower the Hold Open Bracket

SECTION 9.6: Adjust the Closing Speed

CAUTION **Do Not let Slide door slam shut.**

1. Fully open the Slide door. 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. With a Flathead screwdriver turn the Tension plate counterclockwise to increase tension.

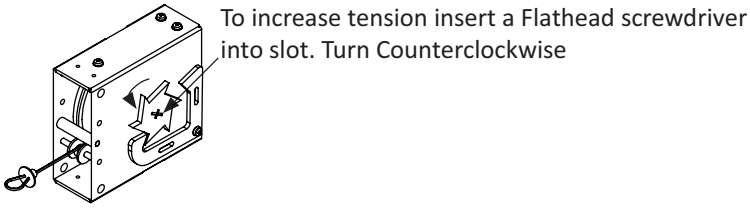


Figure 22 Increase Tension on Flathead Screwdriver

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

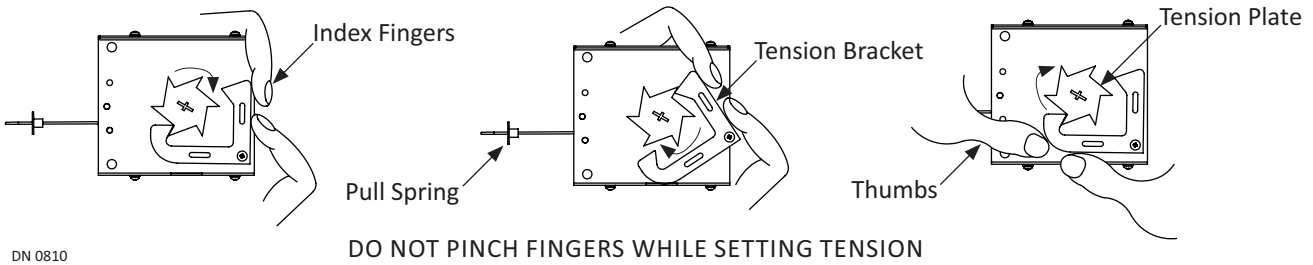


Figure 23 Release Tension on Pull Spring

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 9.7: 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. Slide door will move faster before hitting the Control Rack.
  2. Adjust the Pull Spring and Rotary Damper after moving the Control Rack.

SECTION 9.8: Adjust Height on Slide Door

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

1. Measure the gap between the door and the floor. The gap must be between 3/16” to 7/16” (3/8” nominal).
2. Loosen each Hanger Roller Nut. It is recommended to adjust the (2) Hanger Rollers located at each end of door first.
3. Turn each axle clockwise to raise or lower the Sliding door. Retighten each Hanger Roller nut. Do not overtighten.
4. Loosen each Anti-Rise Roller nut. Turn each axle clockwise until each Anti-Rise Roller almost makes contact with the top of Roller Track. Gap should be about the same thickness of a credit card. Retighten each Anti-Rise Roller nut.

CHAPTER 10: BOTTOM SWEEP WEATHERING

There are (2) types of Weathering for the GT2100 Series:

- Optional: Straight Weathering Holder. Weathering is Brush.
- Air Filtration: (1) Nose Weathering Holder and (1) Straight Weathering Holder. Weathering is Vinyl.

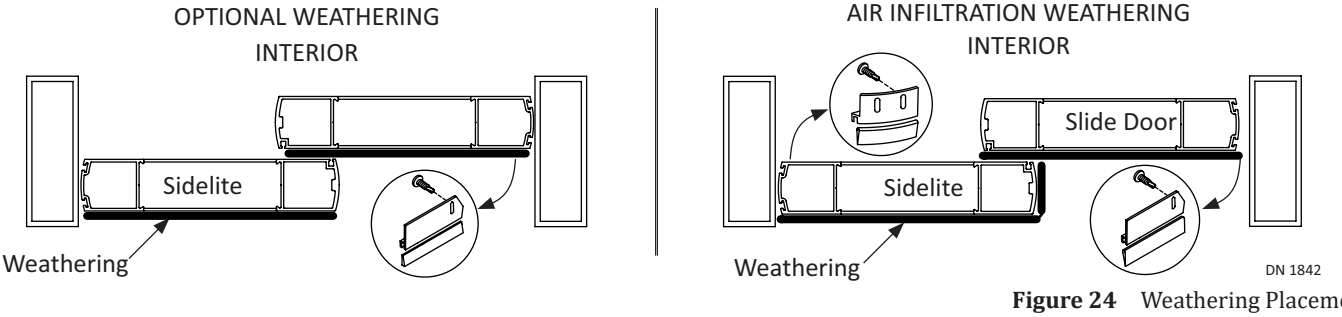


Figure 24 Weathering Placement

SECTION 10.1: Optional Weathering

1. Slide the Brush into the Metal Holder.
2. Secure the Metal Holder to Bottom Rail of Slide door with #6 x 1/2 inch self tapping screws.
3. Breakout the Swing Sidelite.

SECTION 10.2: Air Infiltration Weathering

1. Slide (1) Vinyl Strip into the straight Weathering Holder.
2. Secure the Metal Holder to Bottom Rail of Slide door with #6 x 1/2 inch self tapping screws.
3. Breakout the Swing Sidelite.
4. Slide (1) Vinyl Strip into the straight Weathering Holder.
   a. Ensure excess Vinyl hangs out on the side the Nose Holder will be used to wrap around the Strike Stile.
5. Slide the excess Vinyl into the 1-3/4 inch Nose Holder.
6. Secure the Straight Weathering across the Bottom Rail of the Slide Door with #6 x 1/2 inch self tapping screws.
7. Secure the Nose Weathering to the side of Strike Stile with #6 x 1/2 inch self tapping screws.

CHAPTER 11: DOOR FRAME WEATHERING

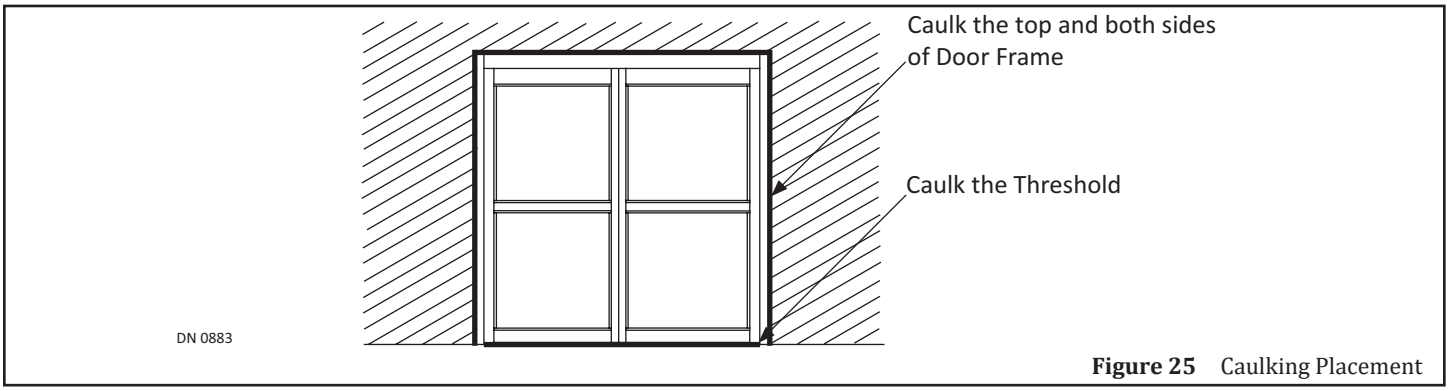
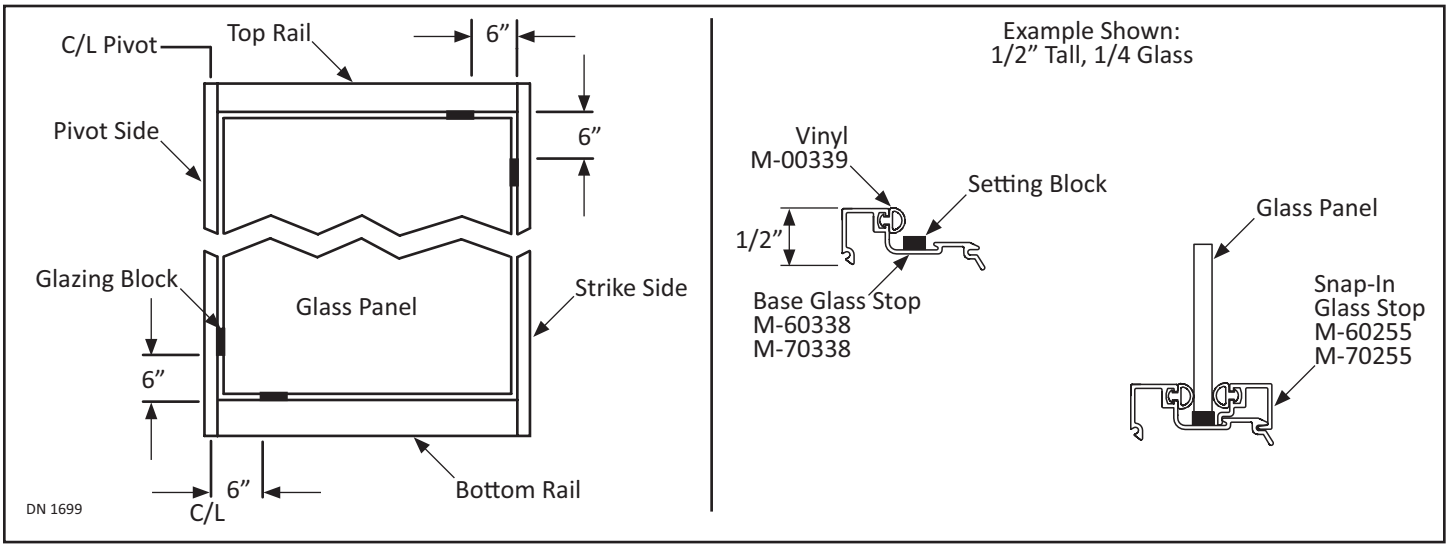


Figure 25 Caulking Placement

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).

CHAPTER 12: INSTALL GLAZING ON DOOR PANEL



Place Setting Blocks in the designated marked spots, only. Cross-Blocking helps direct glass weight away from the strike edge of the door, to prevent sagging and possibly dragging on the floor or threshold.

1. Ensure the Base Glass Stop (Pre-installed at the NABCO Factory) is free of debris and/or sharp objects.
2. Go to the STRIKE side of panel at the TOP.
   1. Measure (6) inches across from the Strike End of Top Rail, towards the Pivot Stile. Mark that spot.
   2. Measure (6) inches down from the Strike End of Top Rail towards the Bottom Rail. Mark that spot.

3. Go to the PIVOT side of panel at the BOTTOM.
   1. Measure (6) inches across from the Pivot End of Bottom Rail, towards the Strike Stile. Mark that spot.
   2. Measure (6) inches up from the Pivot End of Bottom Rail, towards the Top Rail. Mark that spot.
4. For each marked spot, place (1) Setting Block (not provided by NABCO) on top of the Base Glass Stops.
5. Place the Glass Panel on top of the Setting Blocks and up against the Vinyl.
6. Shift the Glass Panel until it is square. Secure the Glass Panel with Snap-In Glass Stops.
7. To raise the Door Panel for Door Panels that are not square or sag at the lead edge, increase the thickness of a Setting Block (not provided by NABCO).

CHAPTER 13: ADJUSTMENTS

SECTION 13.1: Adjust Preload

Attention: Glass must be installed before adjusting Preload.

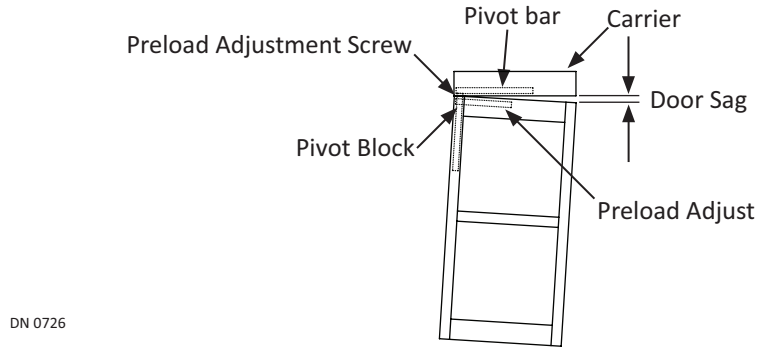


Figure 26 Check Door Sag

1. Support the weight of Slide Door, then Breakout Slide door approximately 25 degrees.
2. Check for door sag. The Slide door should latch without having to be manually lifted.
3. Go to the Preload Block located inside the Top Rail. Loosen (2) 1/4-20 x 1 inch Hex Screws used to secure the Carrier Pivot Assembly to the Top Door Web.
4. Go to the top of Pivot Stile. Locate (1) 5/16-24 x 1/2 inch Set Screw.
5. Adjust Door Sag by tightening the Set Screw with a 7/32 inch Allen Wrench.
   a. Tightening the Set Screw will raise the Strike Side of the Door.
   b. Do Not allow the Adjustment Set Screw to protrude more than 7/32 inch past the end of stile.
   c. Substitute the 5/8 inch Set Screw with the optional 1/2 inch Set Screw supplied by NABCO as needed.

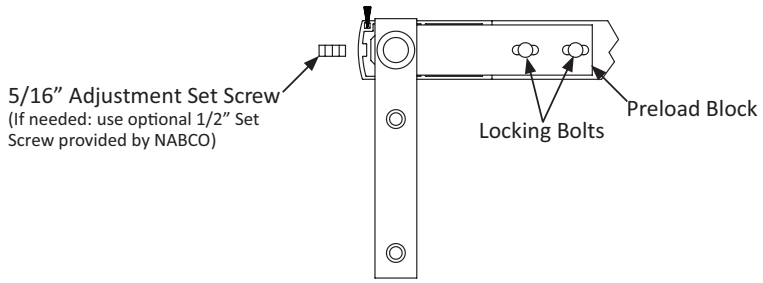


Figure 27 Adjust the Preload

SECTION 13.2: Adjust Horizontal Position of Carrier

Attention: Adjust Preload before adjusting position of Carrier.

1. Break Open the Slide Door. Locate the Pivot Assembly inside the Carrier.
2. Loosen (2) 3/8-16 x 1-1/2 inch Screws securing the Pivot Assembly to the Carrier.
3. Slide the Carrier Bar to the left or right, until the Slide Door is aligned to the Carrier. Tighten (2) 3/8-16 x 1-1/2 inch Screws.

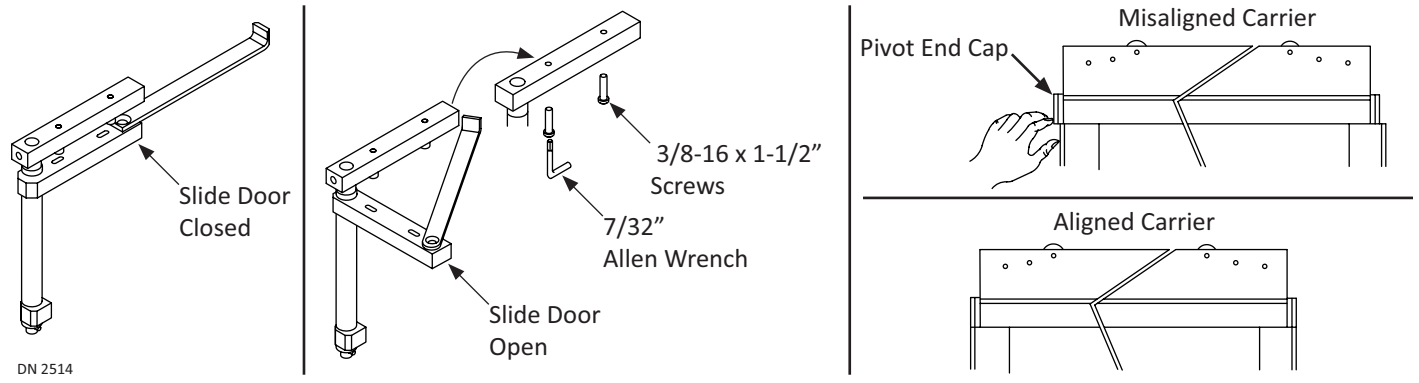


Figure 28 Correct Preload Mis-alignment

4. Verify that the Upper Panic Catch inside the Carrier is still aligned to the Lower Panic Catch inside the Door Web. If an adjustment is deemed necessary:
   1. Go inside the Carrier. Locate the Upper Panic Catch. Loosen (2) 5/16-18 x 1.25" Set Screws.
   2. Slide the Upper Panic Catch to the right or to the left until it is aligned to the Lower Panic Catch. Tighten Set Screws.

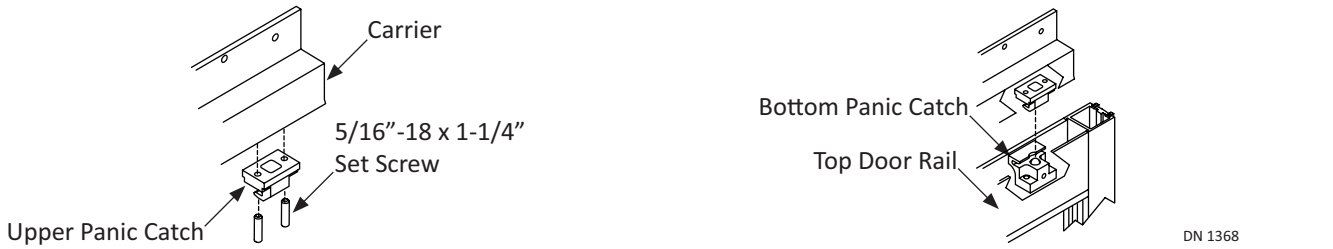


Figure 29 Align the Lower Panic Catch to the Upper Panic Catch

SECTION 13.3: Adjust the Ball Plunger

1. Breakout the Slide door. Go inside the Top Rail (closest to the Strike Stile). Remove the Panic Catch Assembly.
2. Loosen the Set screw that is located in front of the Panic Catch.
3. Go underneath the Panic Catch. Raise or lower the Ball Plunger to adjust the engagement.
   a. The Ball Plunger must be adjusted for proper breakout resistance to meet ANSI A156.10 code and/or local code.
   b. Use minimal engagement if Panic Hardware is used.
4. Tighten the Set screw. Secure the Panic Catch Assembly inside the Top Rail with (2) 1/4-20 x 1-1/4 inch Socket Head screws.

Figure 30 Panic Adjustment

SECTION 13.4: Adjust Rollers

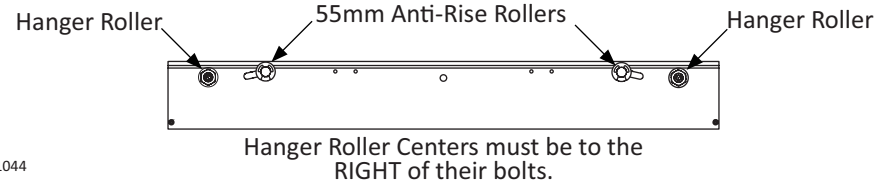


Figure 31 Door Adjustment

SECTION 13.5: Hanger Rollers

1. Raise or lower the Slide door by turning the Axle of the Hanger Roller clockwise with a 15/16” Open End Wrench. The appropriate gap between Bottom Rail and floor is between (13/16 inch to 15/16 inch) with the nominal gap being 7/8 inch.
2. Ensure the Leading Edge between (Slide doors/Jamb Tubes), and (Doors/Header), are parallel.

SECTION 13.6: Anti Rise Rollers

1. Loosen (2) Anti-Rise Rollers located towards the middle of the Carrier.
2. Slide the Anti-Rise Roller up or down within the slot until there is 1/64 inch to 1/32 inch gap between the Roller Wheel and the Top Track. The Gap should be about the same thickness as a credit card.

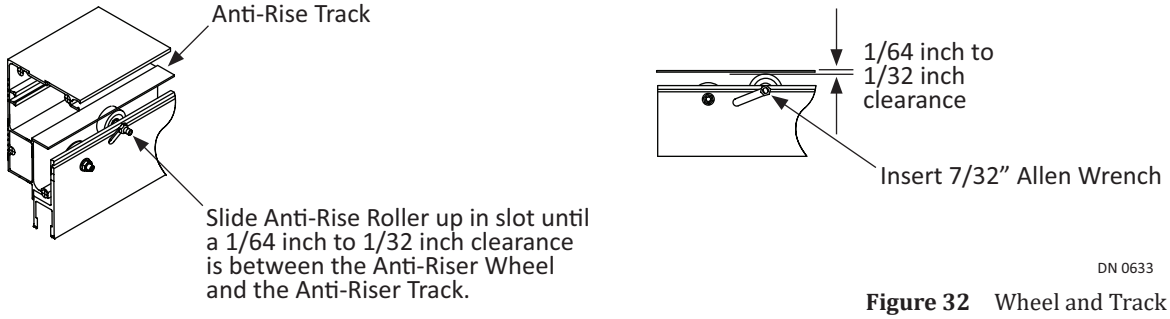


Figure 32 Wheel and Track Clearance

SECTION 13.7: Tighten Rollers

1. Hold the 7/32 inch Allen wrench in place to keep the Roller Axle stationary. At the same time, tighten each (1) 7/16-20 Whiz Lock nut with a 15/16 inch Open End Wrench.

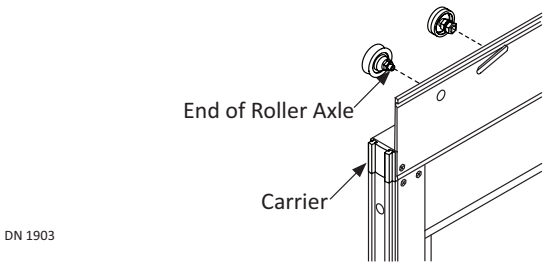


Figure 33 Tighten Rollers

SECTION 13.8: Adjust the Nose Caster

Note: For Units 54 Inches Wide (or greater) and/or over 200 Pounds. Nose Caster is used to keep the Slide Door from hitting/ scraping the floor during Breakout.

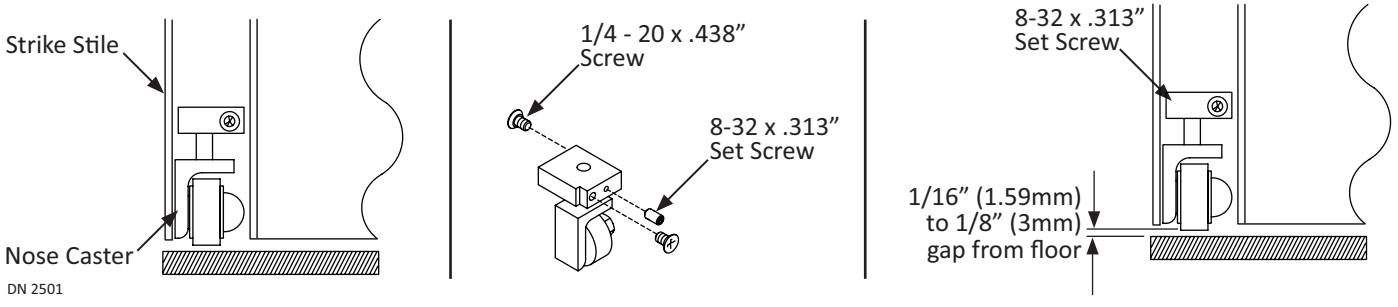


Figure 34 Adjust the Nose Caster

1. Remove the Slide door from the Track. Lay down on a flat surface.
2. Go to the bottom of the Strike Stile. Locate the Nose Caster.
3. Remove (1) 1/4-20 x .438” Screws from each side of Strike Stile.
4. Remove the Nose Caster.

5. Loosen (1) #8-32 x .313 Set Screw to raise the Wheel of the Nose Caster so it is 1/16” to 1/8” from the floor. Retighten.
   a. Ensure the Wheel slightly protrudes from underneath the Slide Door.
6. Replace and then secure the Nose Caster to the Strike Stile with (2) 1/4-20 x .438” Screws.
7. Fully close the Slide door.
   a. Ensure the Nose Caster does not hit or scrape the floor.

SECTION 13.9: Adjust Interlocks

Attention: The Slide Door must be fully closed at same time Interlock is fully engaged.

Note:
- *Each Interlock is packed with (2) Shims.*
- *Nominal gap between both Door Panels must be 1/2 inch.*

13.6.1 Interlocks are not Properly Engaged

1. Manually close the Slide door while observing if the nominal gap between both Door Panels is 1/2”, and the Interlocks are properly engaged, and the Slide door is fully closed.
   1. If not, slide the Interlocks side to side so that they have the most engagement but still allow the door to fully close.
2. Partially secure each Interlock assembly back onto the Door Panel with (2) #10-32 x 5/8” Screws.
   a. This is done so the Interlock can still slide in the adjustment slot with light force.
3. Go to Section “Secure the Adjusted Interlocks”.

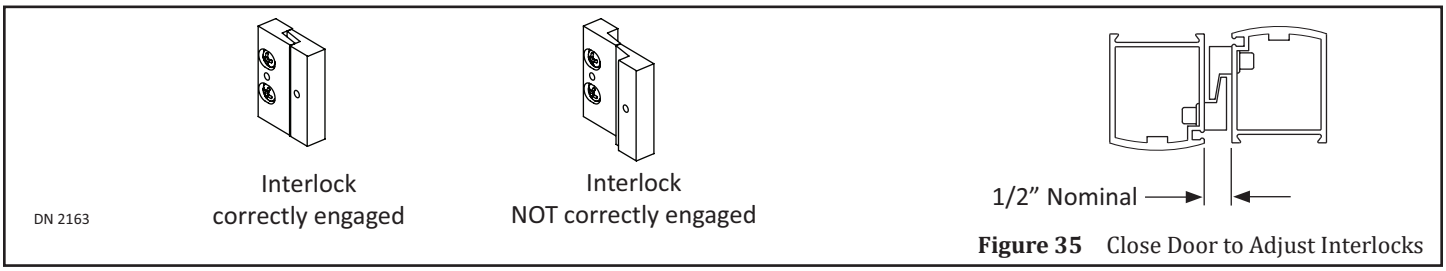


Figure 35 Close Door to Adjust Interlocks

13.6.2 Interlocks Touch each other’s Nose

1. Manually close the Slide door while observing if both Interlocks touch each other’s Nose as the door is almost fully closed.
2. If so, remove each Interlock. Add shims as deemed necessary.
3. Partially secure each Interlock assembly back onto the Door Panel with (2) #10-32 x 5/8” Screws.
   a. This is done so the Interlock can still slide in the adjustment slot with light force.
4. Go to Section “Secure the Adjusted Interlocks”.

13.6.3 Interlock Rubs the Other Door Panel

1. Manually close the Slide door while observing if the Interlocks are rubbing on the other Door Panel.
2. If so, remove Shim(s) until no contact exists between the Door Panels and the Interlock.
   a. Rubbing of Interlocks will cause wear marks and/or cause the door to bind.
3. Partially secure each Interlock assembly back onto the Door Panel with (2) #10-32 x 5/8” Screws.
   a. This is done so the Interlock can still slide in the adjustment slot with light force.
4. Go to Section “Secure the Adjusted Interlocks”.

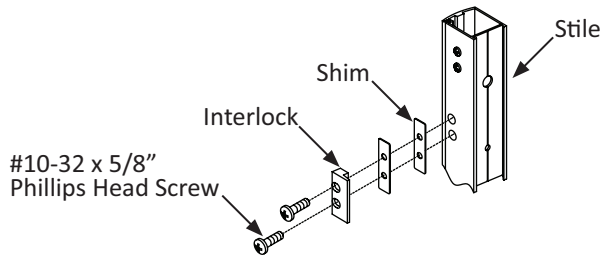


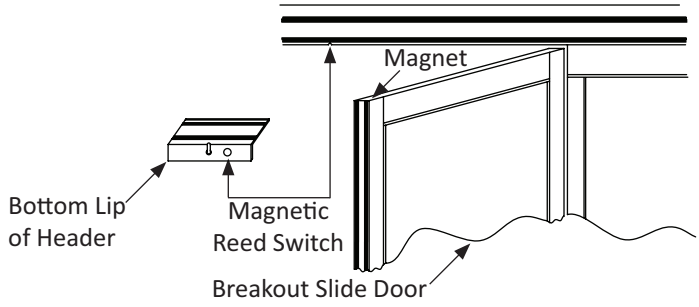
Figure 36 Add/Subtract Shims

13.6.4 Secure the Adjusted Interlocks

1. Go to each Interlock and locate the Adjustment Slot. Slide each Interlock away from the edge of the door towards the center of the door panel.
2. Manually close the Slide door. The Interlocks will automatically slide and adjust to the proper position.
3. Fully Open the Slide door and Break Out the Door Panels. Tighten (2) #10-32 x 5/8" Screws on each Interlock.

SECTION 13.10: Adjust the Breakout Magnet

1. Break open the Full Open Sidelite. Go to the Breakout Magnet that is located inside the Top Rail.
2. Slide the Breakout Magnet to the Left or to the Right until it is aligned with the Magnetic Reed Switch.
   a. The Magnet is secured to the Limit Arm Bracket that can slide to the Left and Right.
   b. The Magnetic Reed Switch is a 3/8 inch diameter black circle located on the Bottom Lip of Header.



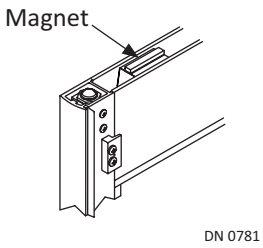
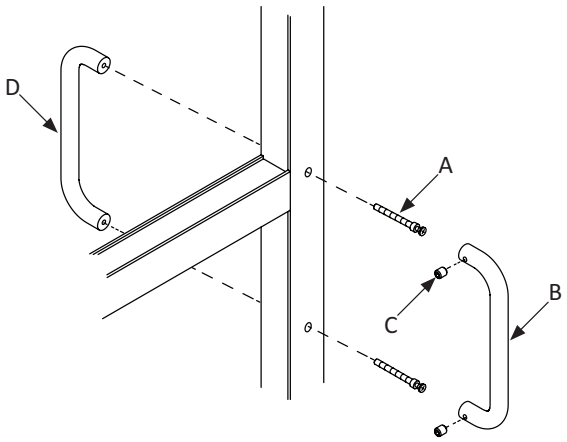


Figure 37 Breakout Magnet Location

CHAPTER 14: INSTALL THE DOOR HANDLE

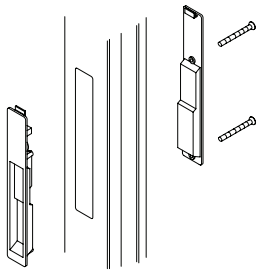
SECTION 14.1: Tubular Door Handle



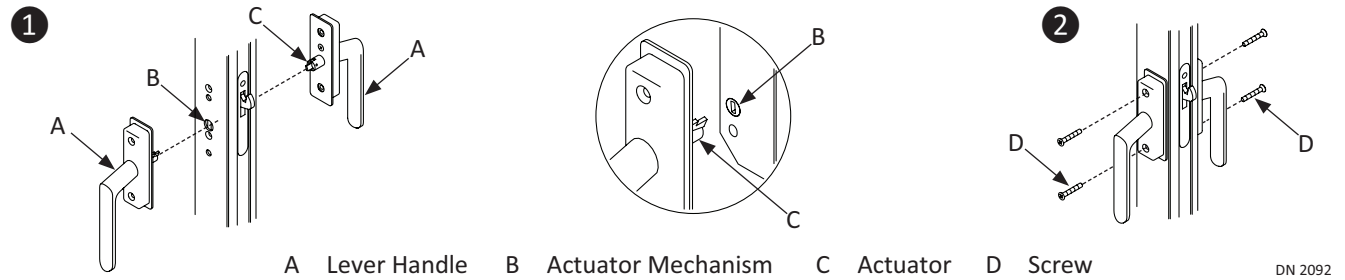
A Bolt
B Male Handle
C Set Screw
D Female Handle

SECTION 14.2: Recessed Door Handle

Note: The Recessed Handle is installed at the NABCO Factory.



SECTION 14.3: Latch Handle



14.3.1 Adjust the Latch

1. Go to the Latch located on the Strike Side of Door.
2. Directly above the Latch is a Set Screw. With a Flat Head Screwdriver, turn the Set Screw:
   - ▶ Clockwise to move the Lever Out
   - ▶ Counterclockwise to move the Lever In

CHAPTER 15: CUTOUT STRIKE JAMB TUBE FOR LATCH HANDLE

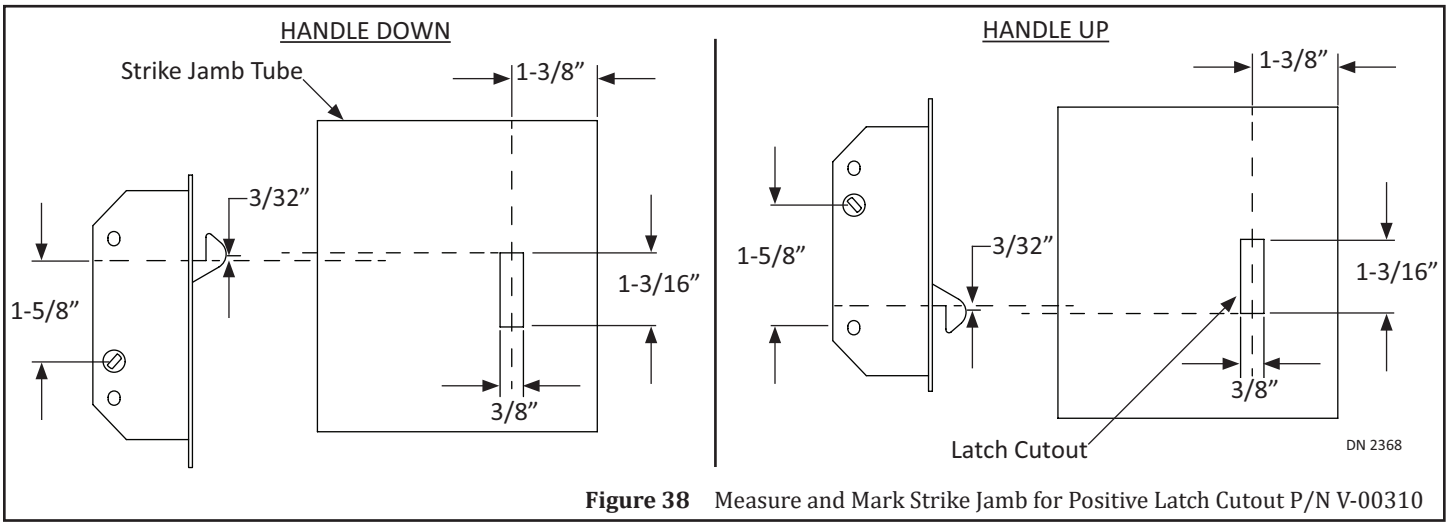


Figure 38 Measure and Mark Strike Jamb for Positive Latch Cutout P/N V-00310

Attention: Install and adjust Swing Door properly before cutting out hole for Positive Latch P/N V-00310.

1. Adjust Slide Door to desired height. Fully close Slide Door.
2. Check to ensure the cutout pattern is in the correct location, both vertically and horizontally.
3. Measure and mark Strike Jamb Tube for cutout.

SECTION 15.1: Enlarge the Lock Cutout

1. File the SIDE of Lock Cutout as needed. Do Not file the top of Cutout.
   a. The width of Cutout must not be wider than .4 inches.
2. Obtain the Latch Plate P/N A-01390. Remove protective paper from the back.
3. Adhere the Latch Plate onto the Jamb Tube.

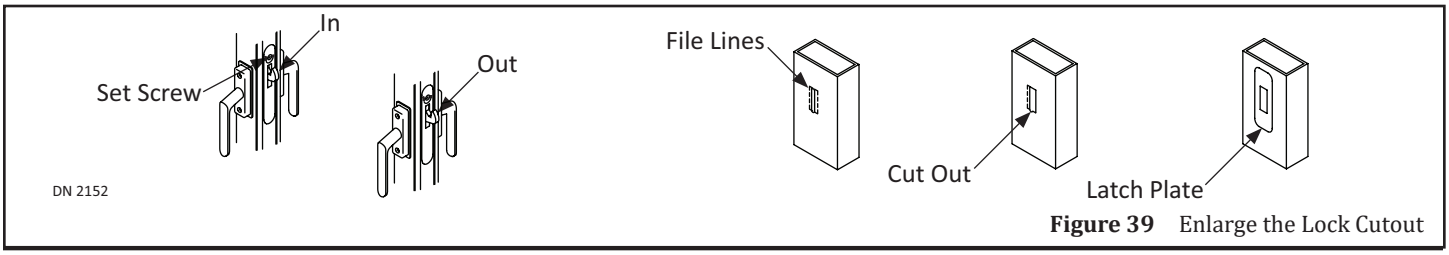
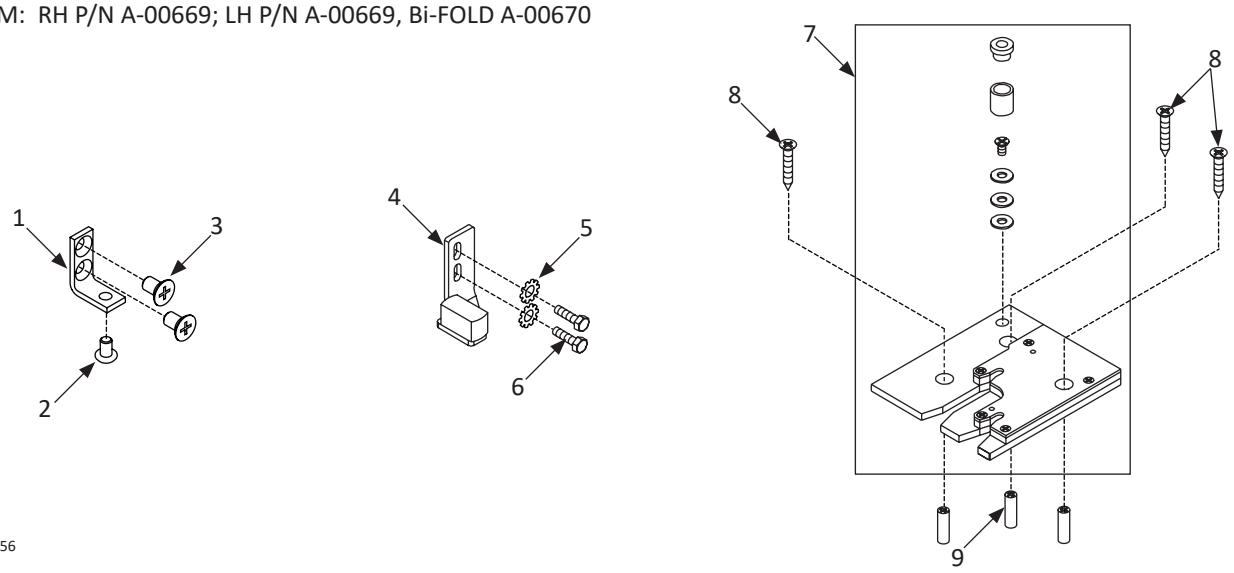


Figure 39 Enlarge the Lock Cutout

SERVICE PARTS: KIT

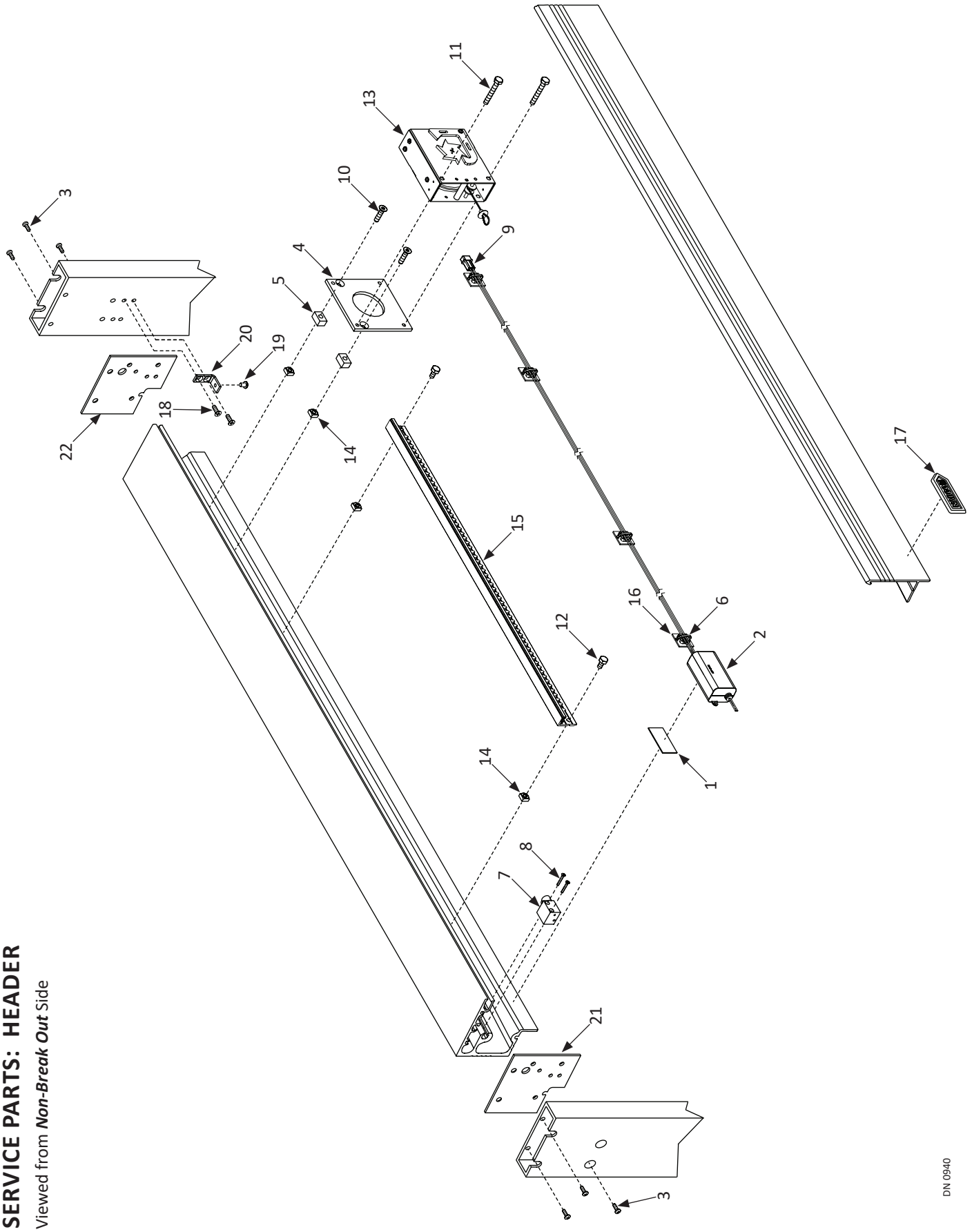
NARROW: RH P/N A-00614; LH P/N A-00615, Bi-FOLD A-00616
MEDIUM: RH P/N A-00669; LH P/N A-00669, Bi-FOLD A-00670



Service Parts Kit					
Item	**Part**	**Note**	**Description**	**QTY**	**Used To**
1	M-01049		CLIP, COVER	2	Secure Cover to Header and Jamb Tube
2	T-00323		RHMS,8-32x0.250L.,PHIL,ZINC	2	Secure Cover to Header
3	T-00016		FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,ZINC	4	Secure Cover to Jamb Tube
4	A-00318	LH,NAR	GUIDE BLOCK, NAR STILE, LH	2	Guide Slide Door back/forth, keep Rollers in Track
	A-00321	RH,NAR	GUIDE BLOCK, NARR STILE, RH		
	A-00325	LH,MED	GUIDE BLOCK, MED STILE, LH		
	A-00327	RH,MED	GUIDE BLOCK, MED STILE, RH		
5	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC	4	Keep screws from moving up/down Screw Hole
6	T-00064		HHCS,1/4-20x0.750L.,ZINC	4	Secure Guide Block to Stile
7	A-00666	RH	PIVOT :2 PANEL TRACKLESS:RH	1	Allow Sidelite to Break Open
	A-00667	LH	PIVOT :2 PANEL TRACKLESS:LH		
8	T-00383		FHSMS:14 x1.500L.:PHIL: SS	3	Secure Pivot Assembly to floor
9	T-00314		SCREW ANCHOR, #16 X 1” LG	3	Anchor screws into floor

SERVICE PARTS: HEADER

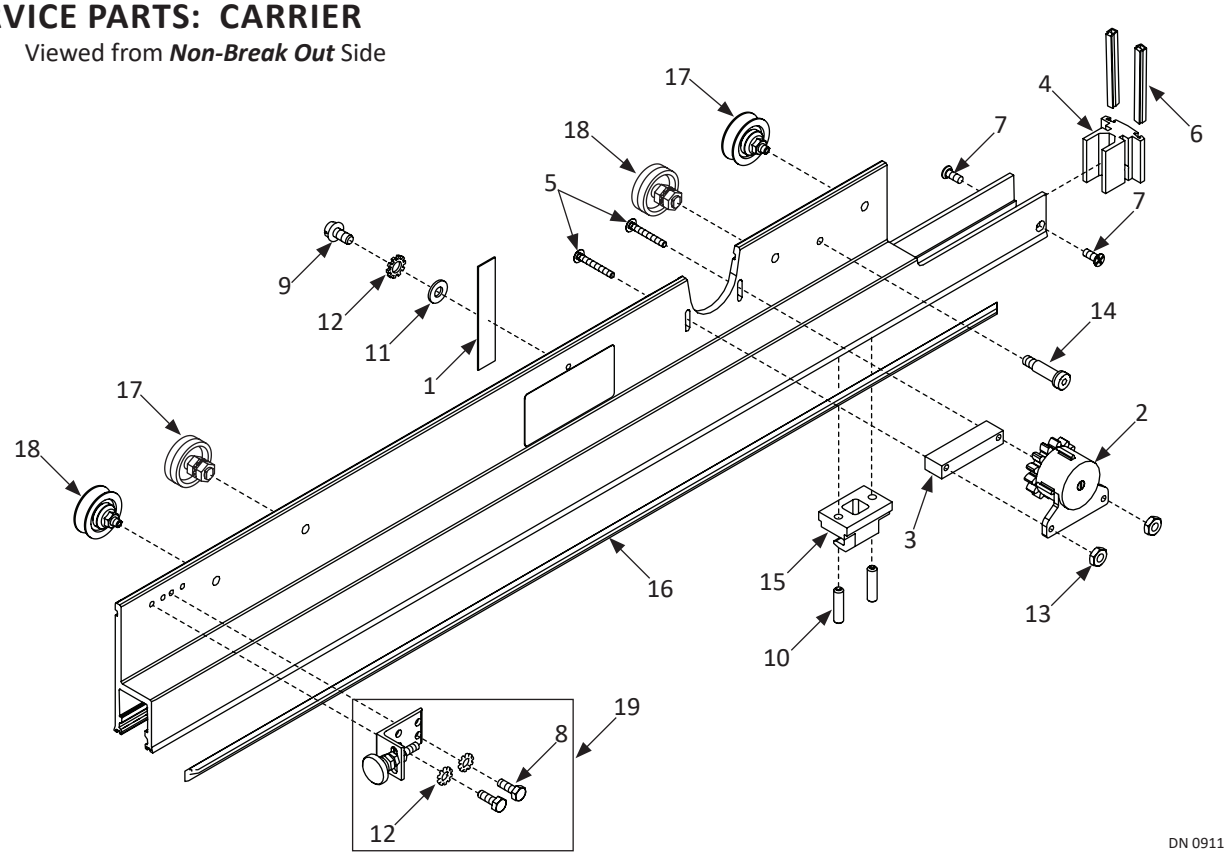
Viewed from ***Non-Break Out*** Side



Header			
Item	**Part**	**Finish/Sizes/Notes**	**Description**
1	14-13769	Hold Open Feature Only	TAPE, DBL. SIDE, FOAM 1” X 2” .045THK
2	V-00022	Hold Open Feature Only	POWER SUPPLY, 24VDC, 0.5A
3	T-00326		RHMS,1/4-20x0.750L.,PHIL,ZINC SELF TAPNG
4	14-14326		PULL SPRING MOUNTING BRACKET
5	14-14327		PULL SPRING SPACER
6	T-00195	Hold Open Feature Only	CABLE TIE,3/32 X 4.000L.
7	A-01437-10	RH/Hold Open Feature Only	DOOR STOP, SELF CLOSING ICU, RH,ASM
	A-01437-20	LH/Hold Open Feature Only	DOOR STOP, SELF CLOSING ICU, LH,ASM
8	T-00404	For Hold Open Feature	FHMS,1/4-20x1.750L.,SOKT,ZINC
9	A-01436	Hold Open Feature Only	HARNESS, SELF-CLOSING ICU HEADER
10	24-0011-21		FHCS, 1/4-20 X 1”, ZN
11	T-00028		HHCS,1/4-20x1.750L.,GR5,ZINC
12	T-00464		HHCS,1/4-20X0.500.,ZINC
13	A-01274		SPRING, PULL - MACHINED
14	T-00058		NUT,SQ.,1/4-20,ZINC
15	24-14304		MACHINED CONTROL RACK
16	T-00165	Hold Open Feature Only	MOUNT, WIRE TIE, 1X1
17	C-00067		NAMEPLATE, ADHESIVE BACKED
18	T-00016		FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,ZINC
19	T-00323		RHMS,8-32x0.250L.,PHIL,ZINC
20	M-01049		CLIP, COVER
21	A-01287		END CAP, FOR POCKETED JAMBS, LH
22	A-01289		END CAP, FOR POCKETED JAMBS, RH

SERVICE PARTS: CARRIER

Viewed from ***Non-Break Out*** Side

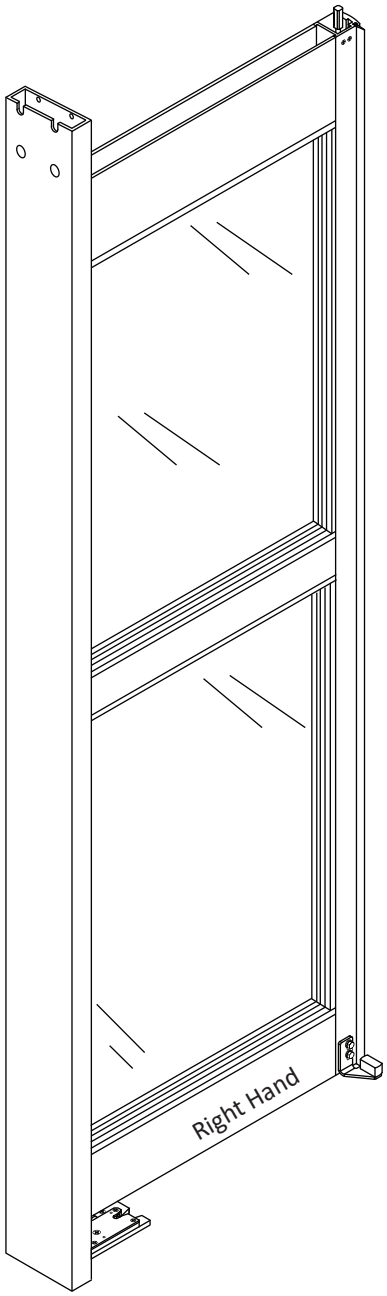


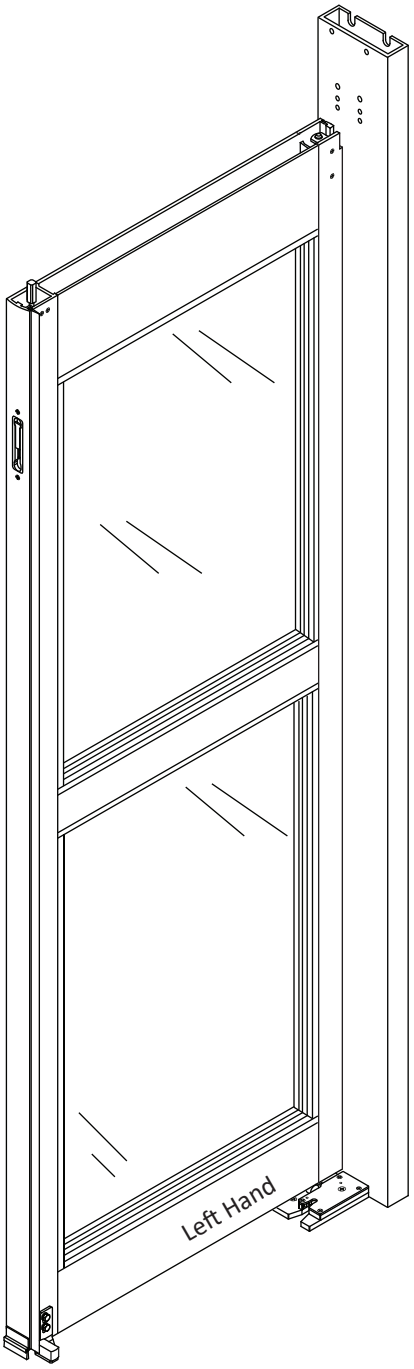
Carrier

Item	Part	Finish/Sizes/Notes	Description
1	M-01275		STATIC ARRESTOR,STRIP 4”
2	V-00519		DAMPER,ROTARY
3	A-01259		SPACER,ROTARY DAMPER
4	11-14322		ASSEMBLY,SELF-CLOSING ICU LEAD CARRIER END CAP
5	14-14329		CARRIAGE SCREW,10-24 X 1.5”, ZN
6	M-01244		WEATHERING,BULB
7	T-00184		FHMS,10-32x0.500L.,PHIL,UCUT,TRI-LOBE,ZN
8	T-00064		HHCS,1/4-20x0.750L.,ZINC
9	T-00346	Green	HHCS:1/4-20x0.375L:GREEN:WASH HD:SLOT
10	T-00091		SHSS,5/16-18x1.250L.,CUP PT.
11	T-00054		WASHER,.281 ID,.625 OD,.065 THK,ZINC
12	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC
13	T-00367		NUT:HEX:10-24:ZN
14	T-00389		BOLT,SHLDR.,3/8x1.000L.,5/16-18THD
15	M-00483		PANIC CATCH RELEASE ASSEMBLY
16	24-9094		DOOR CARRIER INTERFACE LEG
17	A-00163		AXLE ASSEMBLY-ANTI RISE ROLLER
18	A-00162		ROLLER, HANGER, ASSEMBLY, 1175
19	A-01284		ASSEMBLY, HOLD OPEN BRACKET

SERVICE PARTS: FULL OPEN SIDELITE

Viewed from ***Non-Break*** Out Side

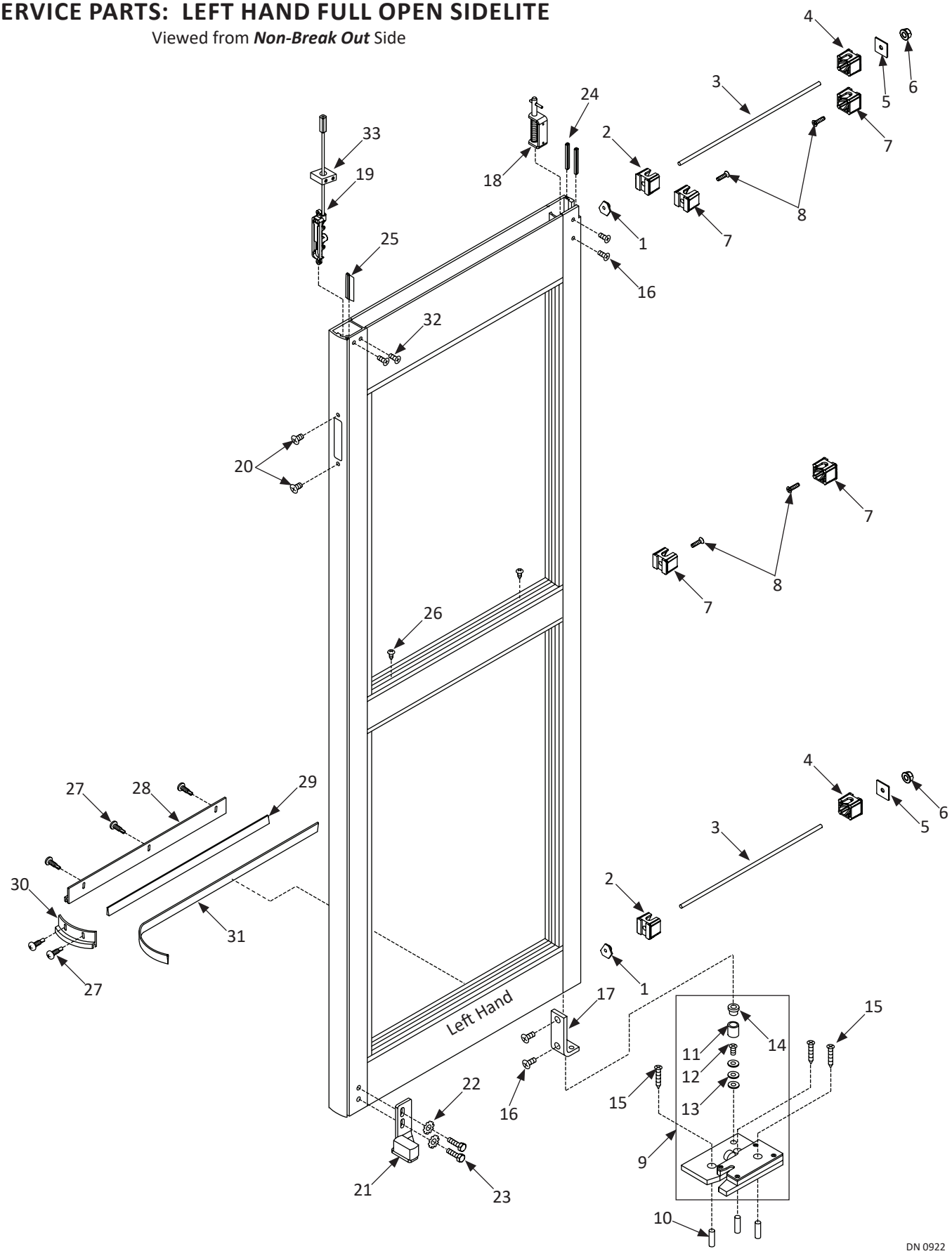




DN 0921

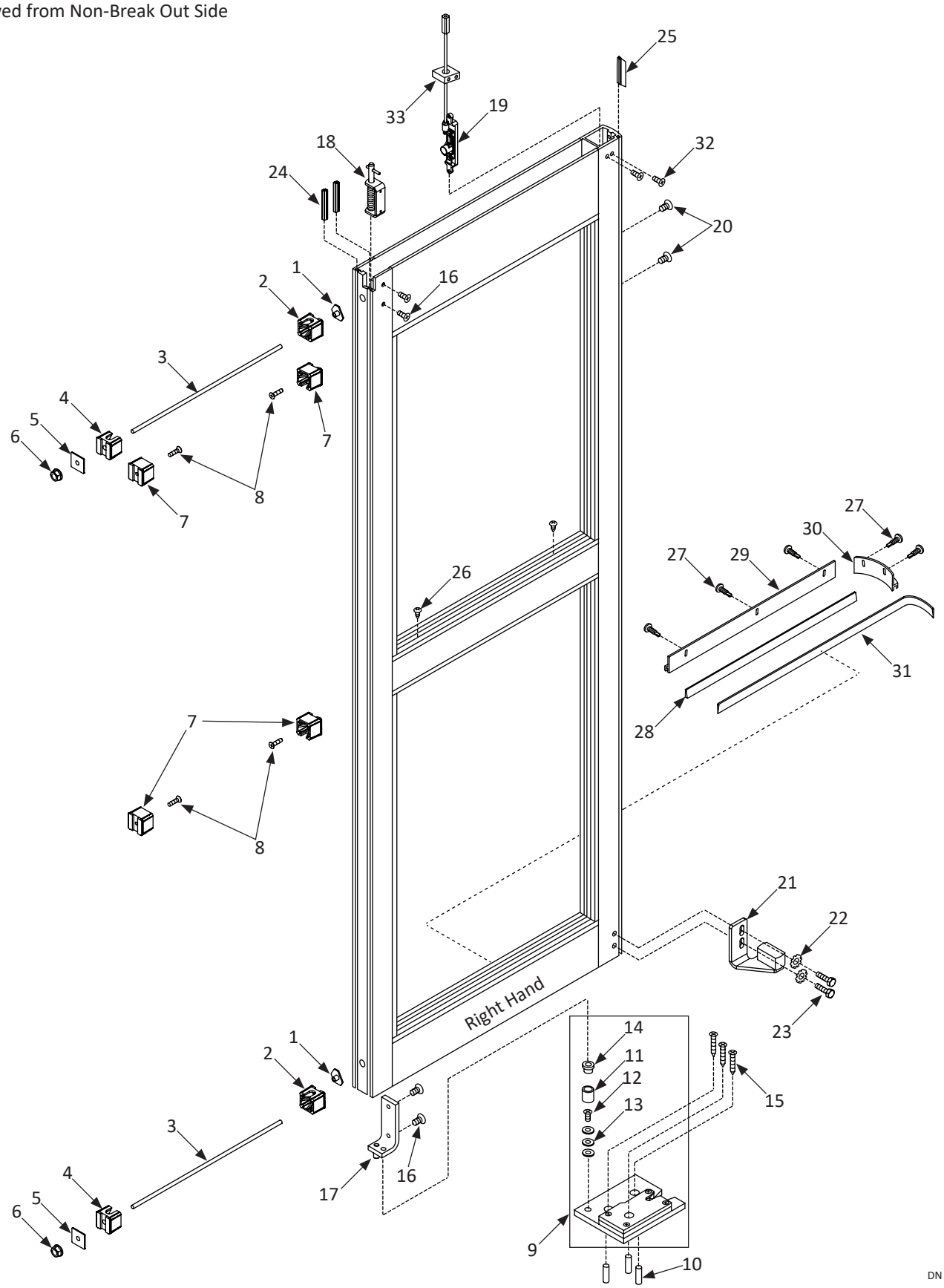
SERVICE PARTS: LEFT HAND FULL OPEN SIDELITE

Viewed from ***Non-Break Out*** Side



SERVICE PARTS: RIGHT HAND FULL OPEN SIDELITE

Viewed from Non-Break Out Side

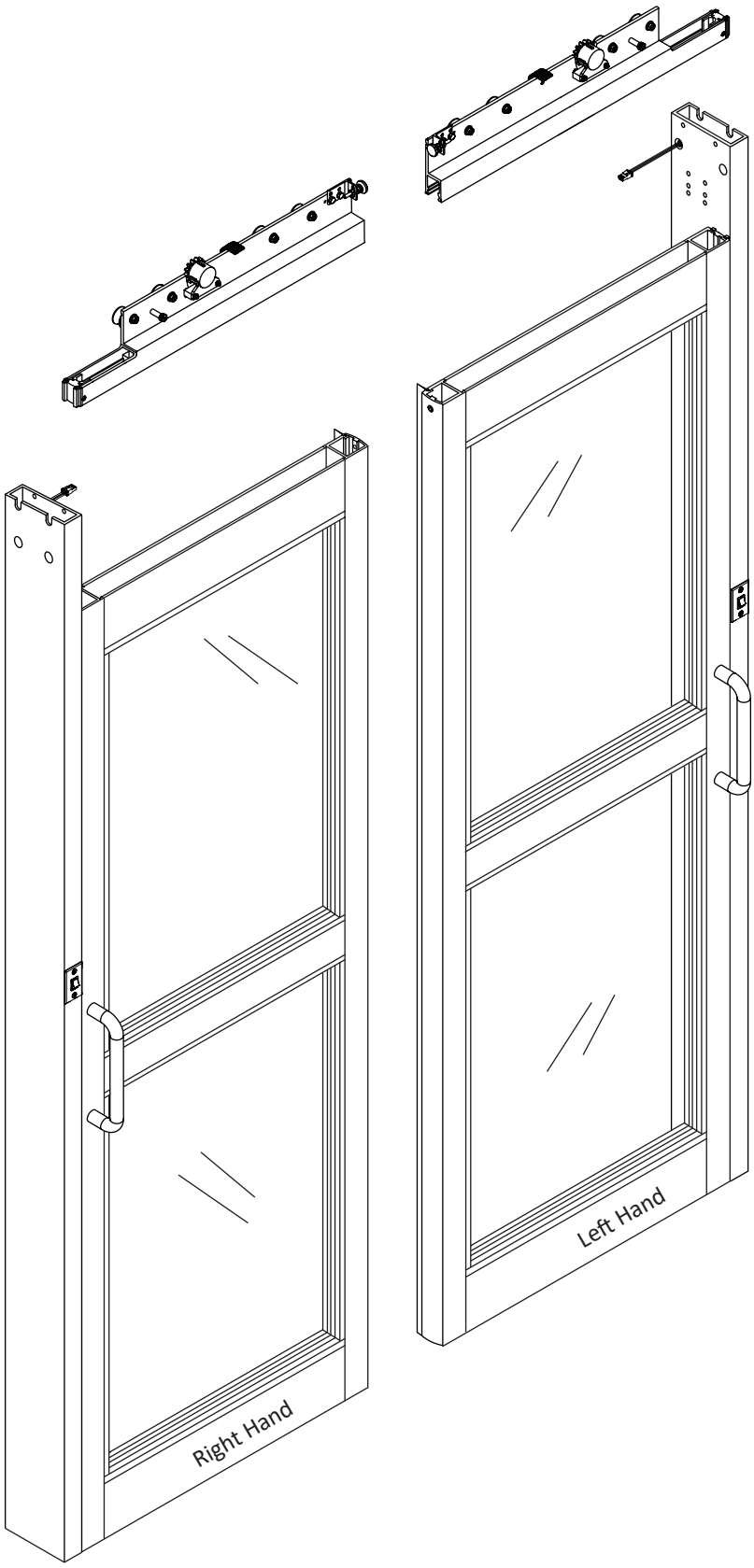


Sidelite			
Item	Part	Finish/Sizes/Notes	Description
1	M-00416		T-NUT, 3/8”-16, TIE ROD
2	M-00460	.500 Hole	CLIP,MUNTIN,.500 HOLE
3	M-00272		3/8-16 THREADED ROD
4	M-00461	.386 Hole	CLIP,MUNTIN,.386 HOLE
5	M-00422		PLATE,TIE ROD
6	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
7	M-00462	.261 Hole	CLIP,MUNTIN,.261 HOLE
8	T-00061		FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
9	A-00666	RH	PIVOT :2 PANEL TRACKLESS:RH
	A-00667	LH	PIVOT :2 PANEL TRACKLESS:LH
10	T-00314		SCREW ANCHOR, #16 X 1” LG
11	M-01107		PIVOT ,BOTTOM,SWING PANEL
12	T-00015		FHMS,1/4-20x0.750L.,PHIL,ZINC
13	T-00084		WASHER,.313 ID,.734 OD,.065 THK,ZINC
14	M-00606		BUSHING, BOTTOM PIVOT, SWING PANEL
15	T-00383		FHSMS:14 x1.500L.:PHIL: SS
16	T-00184		FHMS,10-32x0.500L.,PHIL,UCUT,TRI-LOBE,ZN
17	M-00594	RH	PIVOT, SWING PANEL,BTM,RH
	M-00593	LH	LH BOTTOM PIVOT SWING PANEL
18	A-00029		ASM, TOP PIVOT, 1175 SWING PANEL
19	A-00332	Clear	FLUSH BOLT, W/ CUT,204
	A-00382	Dark Bronze	FLUSH BOLT, W/ CUT.313
20	T-00043		FHMS,10-24x0.375L.,PHIL,UNDERCUT,ZINC
21	A-00318	Narrow/LH	GUIDE BLOCK, NAR STILE, LH
	A-00321	Narrow/RH	GUIDE BLOCK, NARR STILE, RH
	A-00325	Medium/LH	GUIDE BLOCK, MED STILE, LH
	A-00327	Medium/RH	GUIDE BLOCK, MED STILE, RH
22	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC
23	T-00139		HHCS,1/4-20x1.000L.,GR5,ZINC
24	M-01244	Black	WEATHERING,BULB
25	M-01241	Gray	WEATHERING, VINYL, 9/16IN GRAY FIN
	M-71241	Black	WEATHERING,VINYL,9/16IN,BLK
26	T-00098		PHSMS,10x0.563L.,PHIL,TYPE A
27	T-00222	Zinc	PHSMS,6x0.500L.,PHIL,TEKS,ZINC
	T-00260	Black Oxide	PHSMS,6x0.500L. PHIL,TEKS BLK ZN
28	A-00951	Optional	BRUSH, NYLON, .56 LX1.875L.
29	24-9125-01	Optional/Air Infiltration/Clear	WEATHERING EXT, 204
	24-9125-02	Optional/Air Infiltration/Dark Bronze	WEATHERING EXT, 313

Sidelite			
Item	**Part**	**Finish/Sizes/Notes**	**Description**
30	M-61991	Air Infiltration/Clear	BRUSHHOLDER,NOSE,STILE,204
	M-71991	Air Infiltration/Dark Bronze	BRUSHHOLDER,NOSE,STILE,313
31	M-01239	Air Infiltration/Gray	WEATHERING, VINYL, 1IN GRAY FIN
	M-71239	Air Infiltration/Black	WEATHERING:VINYL:1.00:BLK
32	T-00182		PHMS,10-32x0.500L.,PHIL,F-POINT,ZINC
33	M-00100		BLOCK, 2100 GUIDE LOCK, ROD END

SERVICE PARTS: SLIDE DOOR

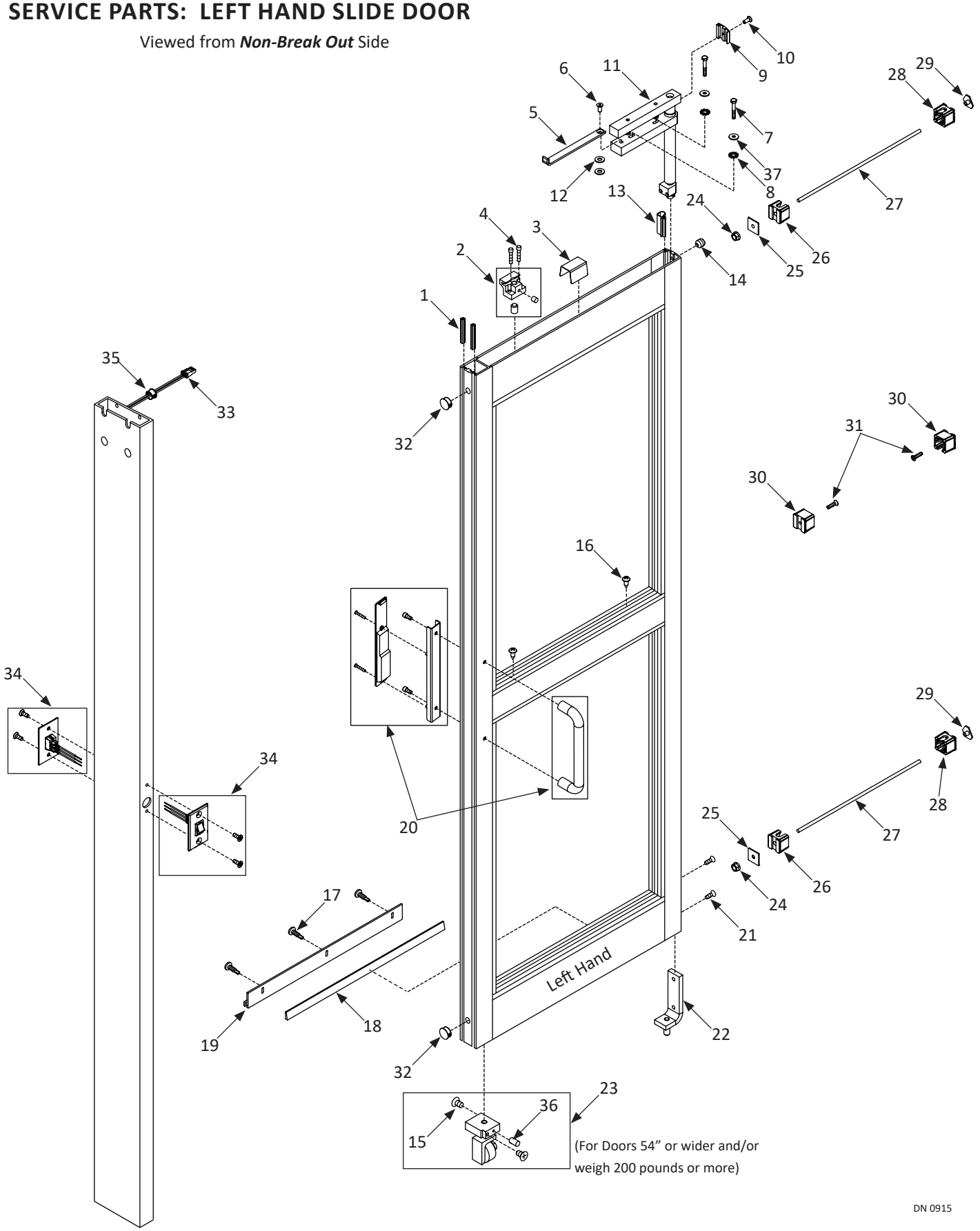
Viewed from Non-Break Out Side



DN 0913

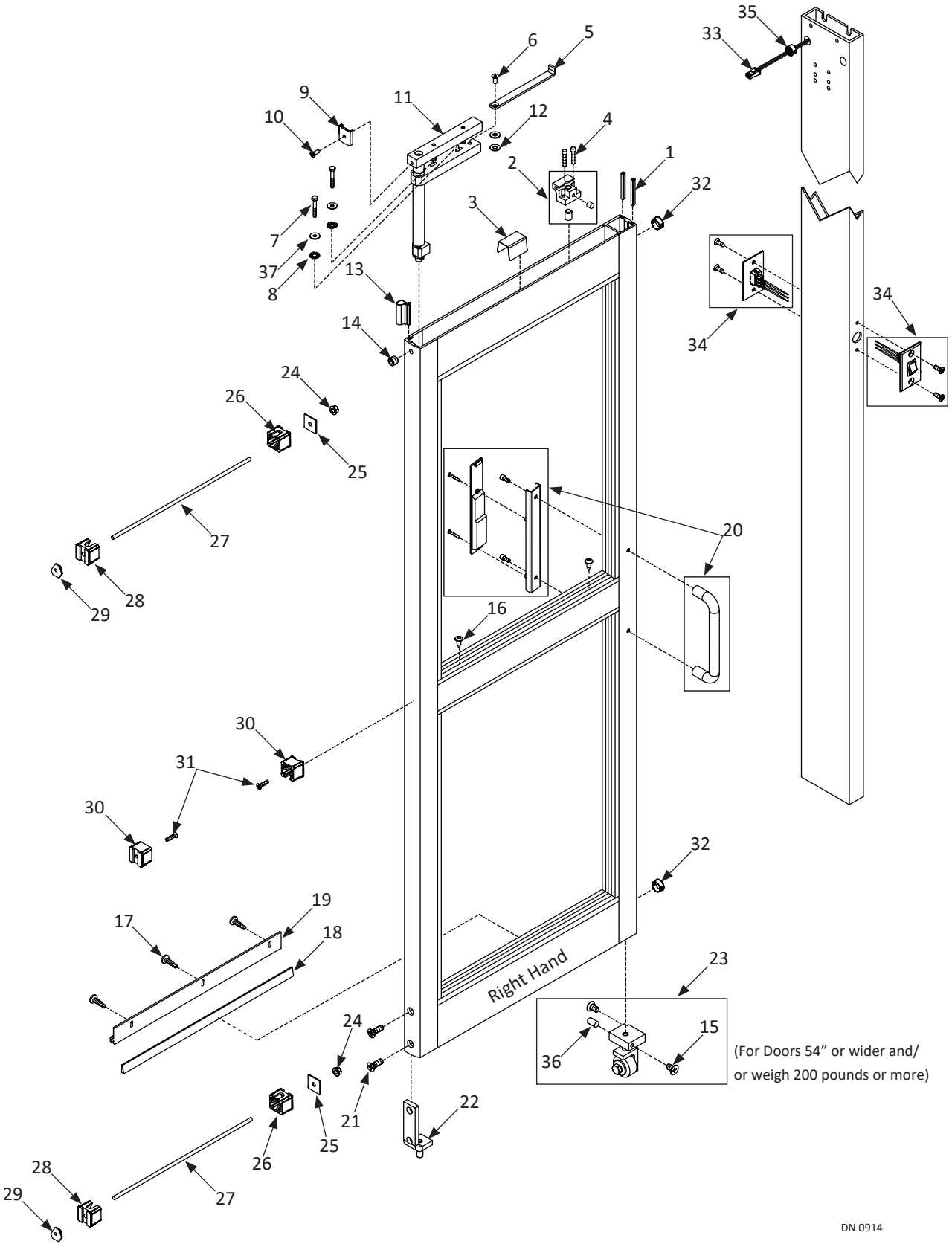
SERVICE PARTS: LEFT HAND SLIDE DOOR

Viewed from ***Non-Break Out*** Side



SERVICE PARTS: RIGHT HAND SLIDE DOOR

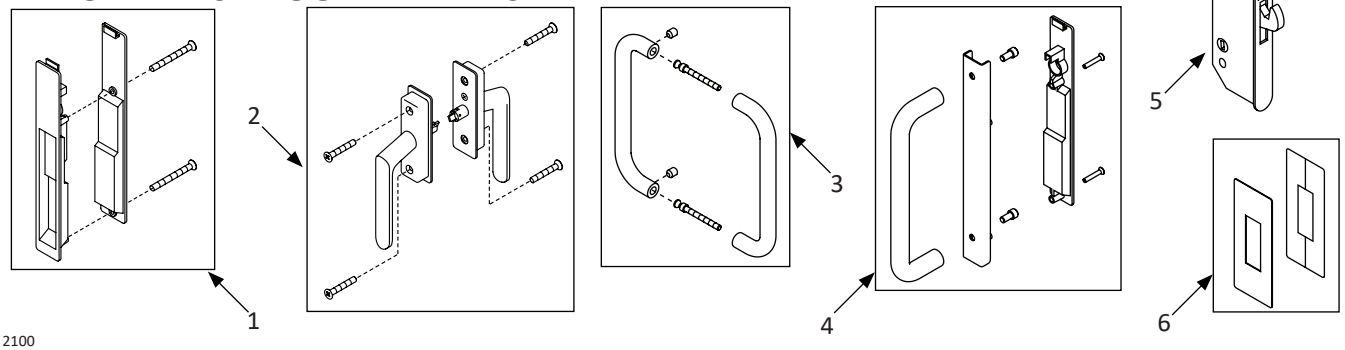
Viewed from ***Non-Break Out*** Side



Slide Door			
Item	Part	Finish/Sizes/Notes	Description
1	M-01516		WEATHERING,BULB
2	A-01128		PANIC CATCH,BOTTOM;MODEL1100;W-1/8WALL
3	M-00653		BRACKET, LIMIT ARM SUPPORT
4	T-00037		SHCS,1/4-20x1.250L.,ZINC
5	M-00379		LIMIT ARM, STANDARD STILES
6	T-00018		FHCS,7/16-14x1.000L.,ZINC
7	T-00028		HHCS,1/4-20x1.750L.,GR5,ZINC
8	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC
9	M-01255	Clear	END CAP,7/16x1-7/8,204
	M-71255	Dark Bronze	END CAP,7/16x1-7/8,313
10	T-00183	Black Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,BLKZN
	T-00176	Zinc	FHMS,10-32x0.500L.,PHIL,UCUT,23-PT,ZINC
11	A-00092	Narrow	CARRIER,PIVOT,NARROW STILE
	A-00165	Medium	CARRIER, PIVOT ASSY, MED STILE
	A-00168	Narrow	CARRIER PIVOT ASM. NRW PANEL & STILE
	A-00172	Medium	CARRIER,PIVOT,ASM.,NRW.PNL - MED.STILE
12	T-00092		WASHER,.438 ID,1.00 OD,.083 THK,ZINC
13	M-01241	Gray	WEATHERING, VINYL, 9/16IN GRAY FIN
	M-71241	Black	WEATHERING,VINYL,9/16IN,BLK
14	T-00261	Black Oxide	SHSS,5/16-24x0.500L.,CUP PT.
15	T-00016	Zinc	FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,ZINC
	T-00108	Black Oxide	FHMS,1/4-20x0.438L.,PHIL,UNDERCUT,BLK ZN
16	T-00098		PHSMS,10x0.563L.,PHIL,TYPE A
17	T-00222	Zinc	PHSMS,6x0.500L.,PHIL,TEKS,ZINC
	T-00260	Black Oxide	PHSMS,6x0.500L. PHIL,TEKS BLK ZN
18	A-00951	Optional	BRUSH, NYLON, .56 LX1.875L.
19	24-9125-01	Optional/Clear	WEATHERING EXT, 204
	24-9125-02	Optional/Dark Bronze	WEATHERING EXT, 313
20	A-00988	Clear	HANDLE,D & RECESSED;KIT,204
	A-00989	Dark Bronze	HANDLE,D & RECESSED;KIT;313
21	T-00017		FHMS,1/4-20x0.750L.,PHIL,BLK ZN
22	M-01414		PIVOT BOTTOM: 2100 ICU
23	A-00198	Narrow	NOSE CASTER ASSY, NAR
	A-00207	Medium	NOSE CASTER ASSY, MED
24	T-00025		NUT,WHIZLOCK,3/8-16,ZINC
25	M-00422		PLATE,TIE ROD
26	M-00461	.386 Hole	CLIP,MUNTIN,.386 HOLE
27	M-00272		3/8-16 THREADED ROD
28	M-00460	.500 Hole	CLIP,MUNTIN,.500 HOLE

Slide Door			
Item	**Part**	**Finish/Sizes/Notes**	**Description**
29	M-00416		T-NUT, 3/8”-16, TIE ROD
30	M-00462	.261 Hole	CLIP,MUNTIN,.261 HOLE
31	T-00061		FHMS,1/4-20x1.000L.,PHIL,TRI-LOBE,ZINC
32	V-00720		PLUG,HOLE,13/16 DOME
33	A-01438		HARNESS,SELF-CLOSING ICU STRIKE JAMB
34	A-01285		SWITCH PANEL,ROCKER - 2 WAY ASM
35	V-00257		BUSHING,ELECTRICAL,0.750 HOLE
36	T-00105		SHSS,8-32x0.313L.,CUP PT.
37	T-00029		WASHER,.250 ID,.563 OD,.049 THK,ZINC

SERVICE PARTS: DOOR HANDLES



DN 2100

GT2400 Door Handle and Latch Plate			
Item	**Part**	**Finish/Sizes/Notes**	**Description**
1	V-00177	Clear	DOOR PULL,SET,204
	V-70177	Dark Bronze	DOOR PULL,SET,313
2	V-00226	Clear	HANDLE,PAIR,ADAMS RITE 4570-01-130,204
	V-70226	Dark Bronze	HANDLE,PAIRS,ADAMS RITE,#4570-01-119 BK
3	V-00225	Clear	HANDLE,D,DOUBLE 107-BTB5-US28,FINISH 204
	A-00696	Dark Bronze	HANDLE,D 313 (2 HANDLES)
4	A-00988	Clear	HANDLE,D & RECESSED;KIT,204
	A-00989	Dark Bronze	HANDLE,D & RECESSED;KIT;313
5	V-00310		POSITIVE LATCH:ADAMS RITE:STYLE 5017-02
6	A-01390		ASM,PLATE,JAMB,POSITIVE LATCH