



NABCO GT1175 Slide Door Full Open with OPUS Installation Manual

P/N C-00370 Rev. 1-8-25

NABCO Entrances Inc. S82 W18717 Gemini Drive Muskego, Wisconsin 53150

Phone: (877) 622-2694 Fax: (888) 679-3319 www.nabcoentrances.com

NABCO hours of Operation: Monday to Friday 8:00 a.m.- 4:30 p.m. (Central Time)



Please call NABCO Entrances Technical Service at 1-877-622-2694 option #3 between 8am-430pm CST
or email TechSupport@Nabcoentrances.com for troubleshooting assistance

Associated Manuals Part Numbers:

OPUS Wiring and Programming Manual P/N C-00391

Automatic Sliding Door Owner's Manual (P/N C-00109) for Decal Installation



- 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.
-

Table of Contents

CHAPTER 1: SAFETY FLAGS4

SECTION 1.1: Warning Labels4

SECTION 1.2: General Safety Recommendations4

CHAPTER 2: SCOPE6

SECTION 2.1: To The Installer6

SECTION 2.2: Objective6

CHAPTER 3: PREPARE and ORGANIZE6

SECTION 3.1: Associated Manuals, Cut Sheets and Shop Drawings.....6

SECTION 3.2: Inspect Rough Opening (RO).....6

SECTION 3.3: Tool List7

SECTION 3.4: Header and Frame Components.....8

SECTION 3.5: Locate Power and Shut Off Circuit Breaker8

CHAPTER 4 INITIAL ASSEMBLY (SAWHORSE AND ROUGH-IN ASSEMBLY)9

SECTION 4.1 Prepare the Header and Door Frame9

SECTION 4.2: Secure the Jamb Tubes to the Header.....10

SECTION 4.3: Install the Door Frames into the RO12

SECTION 4.4: WIRE the ROCKER/KEY SWITCH and SENSORS13

SECTION 4.5: Finalize Bottom Track/Threshold Assembly14

CHAPTER 5: SECONDARY ASSEMBLY (“Doors Closing Assy”)17

SECTION 5.1: Secure the Break-Away Sidelite(s) (SO) to the Pivots.....17

5.1.1 Assemble SO Panel onto the Floor Barrel:17

5.1.2 Insert the Top Pivot into Header:17

5.1.3 Adjust the TOP Ball Detent(s):17

5.1.4 Adjust the BOTTOM Ball Detent(s):18

5.1.5 Install Limit Arm:18

5.1.6 Connect Beam Ends into SO Panel:.....19

SECTION 5.2: Secure the Sliding Door Panel (SX) to Header and into Bottom Track19

5.2.1 Prepare the SX Panel:19

5.2.2 Maneuver SX Panel into Place:20

5.2.3	Leveling Using Roller Cams:	20
5.2.4	Tighten Anti-Riser Assemblies:	20
5.2.5	Secure Slide Door to Belt Clips:	21
5.2.6	Adjust Interlocks:	21
SECTION 5.3:	Installing Glass in Panels:	22
5.3.1:	Install Transom Glass (If Required):	23
SECTION 5.4:	Check the Locking Mechanism	24
CHAPTER 6:	END PROCESSES	25
SECTION 6.1:	Final Adjustments:	25
SECTION 6.2:	Stroke Learn and Tune-In:	27
SECTION 6.3:	Perform Safety Checks and Apply Signage	28
CHAPTER 7:	QUICK INSTALLATION PROCEDURE: GT1175 FULL OPEN UNIT (POISE)	29
SECTION 7.1:	Prepare	29
SECTION 7.2:	Organize	29
SECTION 7.3:	Initial Assembly (“Sawhorse” or “Rough-In” Assembly)	29
SECTION 7.4:	Secondary Assembly (“Doors Closing”)	30
SECTION 7.5:	Tool List – Glazing Tools	30
SECTION 7.6:	End Processes (“Finalization”, “Commissioning”, “Finish Work”)	31
CHAPTER 8:	TRANSOM HELPFUL HINTS:	32
CHAPTER 9:	PARTS LIST and EXPLODED VIEWS	33

CHAPTER 1: SAFETY FLAGS

SECTION 1.1: Warning Labels

Warning labels are universal and used to alert others of a potential hazard based on the type of label. The following warning labels are listed in a hierarchical order that defines the most hazardous:  to the least hazardous: . Please refer to this page if a warning label is displayed within this manual and requires further definition.

- 

Indicates an immediate hazard; a hazard capable of producing irreversible damage, injury, or death. It should not be considered for property damage unless personal injury risk is present.
- 

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. It should not be considered for property damage unless personal injury risk is present.
- 

Indicates a potentially hazardous situation; a hazard capable of resulting in severe but not irreversible injury or damage. The  label should not be used when there is a possibility of death or serious irreversible injury.
- 

Indicates a situation where general information is provided to prevent material from damage or prevent the function of the equipment from being impaired. The  label should NOT be used when there is a hazardous situation or personal risk.
- 

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

Indicates important information that provides further instruction.

SECTION 1.2: General Safety Recommendations

- 

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

It is imperative to read, study and understand the installation and operating instructions contained in or referenced in this manual before performing any service or maintenance. If you do not fully understand the instructions, please ask a qualified technician. Failure to do so may result in death, serious injury, property damage and will nullify all warranties.
- 

This product is for Indoor use only.
- 

Use this operator only with Nabco sliding doors.
- 

Always disconnect all power to the junction box and use proper Lockout / Tagout procedures prior to making any electrical connections. Failure to do so may result in irreversible damage, injury, or death. Ensure the equipment is disconnected from the energy source by using the operating controls and by using a voltmeter to check voltage.
- 

Do not place any extremity or uninsulated tool inside the *Header*. Touching wires or other parts inside the enclosure may cause electrical shock, serious injury or death.



The ground wire from the OPUS Control 120 VAC Harness and the Incoming 120 VAC ground wire must be connected to the ground screw located within the Swing Door Header.



If any equipment appears damaged or is not working correctly, it should be immediately removed from service until repairs can be carried out or a qualified service technician is contacted for corrective action.



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



All electrical work conducted must meet local, state, federal and/or other governing agency codes. All electrical troubleshooting or service must be performed by qualified electrical technicians and must comply with all applicable governing agency codes.

CHAPTER 2: SCOPE

SECTION 2.1: 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. 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 covers the GT-1175 Slide Door System and ANSI Standard Z97.1 covers Glass Installation. Other local standards or codes may apply. Use them in addition to the ANSI standard. The GT-1175 is listed with the Underwriters Laboratory and is identified as such on the label.

Instruct the building owners and end users 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.

SECTION 2.2: Objective

The GT-1175 Standard Slide Door system is designed to be installed within a Rough Opening (RO) of a building. The door function is controlled by the Opus Control. The Opus offers many features to accommodate most installation options. This manual offers step by step instructions on how to assemble, install and fine-tune the GT-1175 Full Open Sliding Door.



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 1ft² (0.9 m²) and having no dimension greater than 18 in (457 mm)."

CHAPTER 3: PREPARE and ORGANIZE

SECTION 3.1: Associated Manuals, Cut Sheets and Shop Drawings

For user convenience there are now (2) ways to obtain associated Installation, Wiring and Programming Manuals:

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

Secure Cut Sheets, Pick Lists and Shop Drawings from your Project Coordinator or General Contractor and review them.

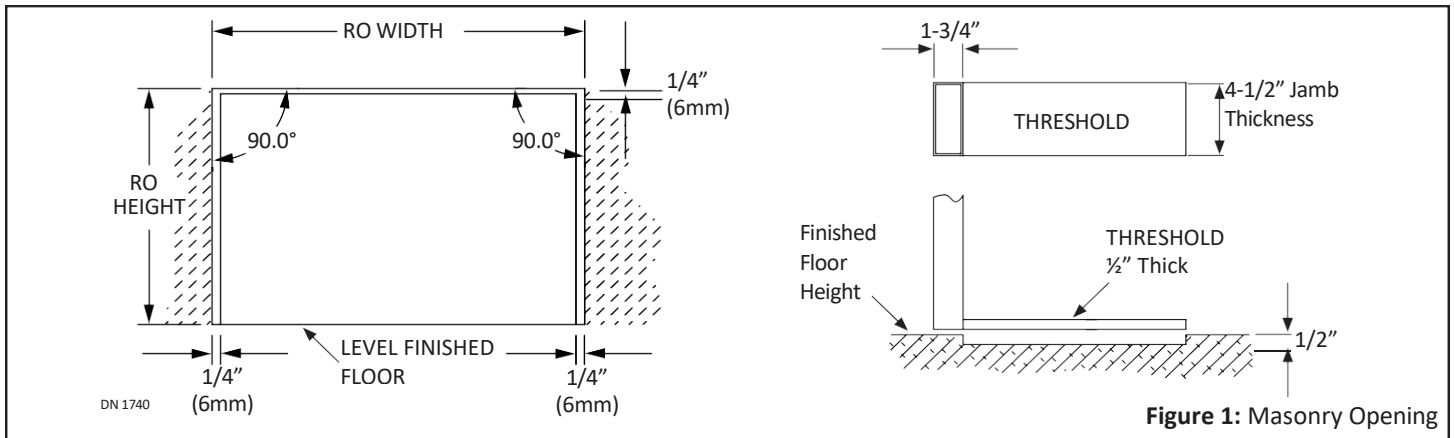
SECTION 3.2: Inspect Rough Opening (RO)

Ensure the RO is correct size.

- ▶ The width of the RO should equal: **PACKAGE WIDTH + 1/4 INCH ON EACH SIDE**
- ▶ The height of the RO should equal: **PACKAGE HEIGHT + 1/4 INCH**

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

Ensure the floor is level across the entire opening. If threshold is used, check it across the clear door opening. Look for bumps, expansion joints and protrusions; anything that would inhibit the threshold from lying flat.



SECTION 3.3: Tool List

- 5' LEVEL or larger
- Tape-Measure
- Chalk Line
- Shim-Stack Shims
- Cedar Shake Shims
- Pry-Bar
- Hammer and Rubber Mallet
- Razor Blade or Utility Knife
- Side-Cutters
- 3/8ths, 7/16ths, 1/2inch, 9/16ths, 11/16ths, and 15/16ths Wrenches
- Complete Set of Standard & Metric Allen Wrenches
- 3/16ths, 1/4 inch and 5/16ths Masonry Drills
- Complete Drill Index
- 12" Aircraft Drills 3/16ths and 1/4 inch
- Hole Saw Kit or a variety of Step-Down Bits
- 6" Clamps or larger
- Drill Gun with Rotary-hammer capability and/or Impact Gun
- 6" Apex Bit(s)
- Wire-Strippers
- Meter, reading Voltage, Resistance and Continuity
- Electrical Tape
- 3/32nd Straight Screwdriver, for OPUS terminations
- #2 and #3 Phillips Screwdrivers
- Sawhorses
- Traffic Cones and/or Caution Tape
- Bin with SPARE Screws (for both Wood and Metal), Washers, Nuts, Lock Nuts, Wire-Nuts, Rowels, 4-Conductor Wire, Drill Bits, Self-Drilling/Tapping Screws and Bit Extension Tools (i.e., Counter sinks, 3/8ths Nut Drivers, Spare Screw tips, etc.)
- Broom & Dustpan and/or Vacuum
- Drop Chain or Fish Tape
- Pencil or Marker
- Door Pressure Guage for AAADM Inspection

SECTION 3.4: Header and Frame Components

Open kitted boxes and inspect the Header/Frame components and set them onto Sawhorses.

- Are they correctly handed and colored?
- Are they the correct lengths?
- Is there a Transom?

Visualize the COMPLETED unit and review the following drawing (Bi-Part shown):

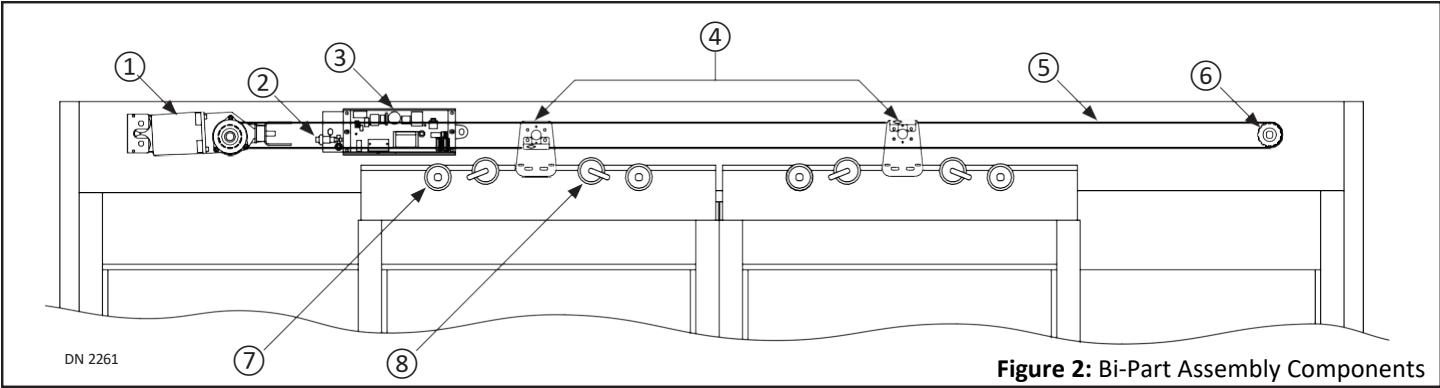


Figure 2: Bi-Part Assembly Components

1	VS 150 Operator	V-00914	5	Timing Belt 3/4" wide	V-00917
2	Power Harness w/Switch	M-02042	6	Idler Assembly	A-01419
3	Opus Control Assembly	A-01418	7	Hanger Roller	A-00162
4	Belt Clip Assembly	See Header Service Parts Page	8	Anti Rise Roller	A-00163

SECTION 3.5: Locate Power and Shut Off Circuit Breaker



Shut the installation site branch Circuit Breaker OFF. Failure to do so may result in serious personal or fatal injury. When uncertain whether power supply is disconnected, always verify using a voltmeter.

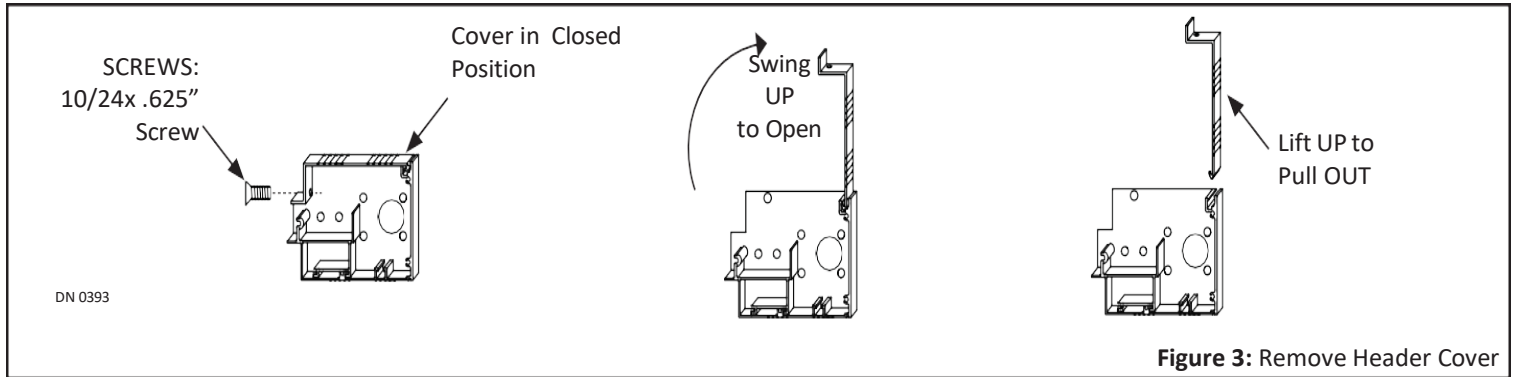


All high voltage electrical connections must be made by licensed electricians according to National and Local electrical codes/regulations.

CHAPTER 4 INITIAL ASSEMBLY (SAWHORSE AND ROUGH-IN ASSEMBLY)

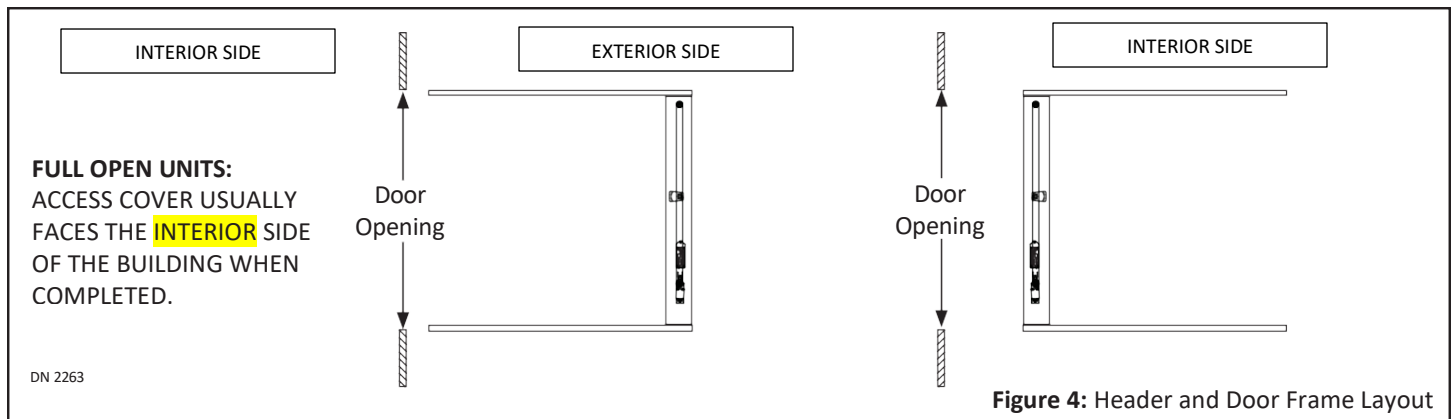
SECTION 4.1 Prepare the Header and Door Frame

1. Remove all 10-24 x .625" screws. Remove Access Cover from Header by swinging it up to 90 degrees and then pulling it out.
2. Unplug the Sensor Harness (if equipped). Remove Parts and Decal Packages from inside Header.
3. Mount Sensor onto Cover, connect Sensor Harness and set cover aside.



4. Orient the Header, if able, so that the "cover side" will face the interior of the building when completed. If building the unit with a transom, the same concept applies.
5. Place the Header on sawhorses or a flat surface so the side of Header with the removed Access Cover is facing "Up". If possible, orient your assembly EITHER WAY that is shown below:

NOTE: Instruction stickers are adhered to each Jamb Tube showing proper location and orientation.



6. Lay down the Pivot Side Jamb Tube(s) next to the Pivot Side(s) of the Header, so the Notch at the bottom is facing the exterior side and is "Down" towards the floor. Note diagram at the top of the next page.
(The Notch is used to mount the Full Open Sidelite Bottom pivot(s).)
7. If a Single Unit, lay down the Strike Jamb Tube so the inside face is next to the Strike Side of Header.
8. Align pre-drilled screw holes located on Jamb Tubes with End Caps of Header.

Example Shown:
Full Open, Left Hand,
Single Slide Door

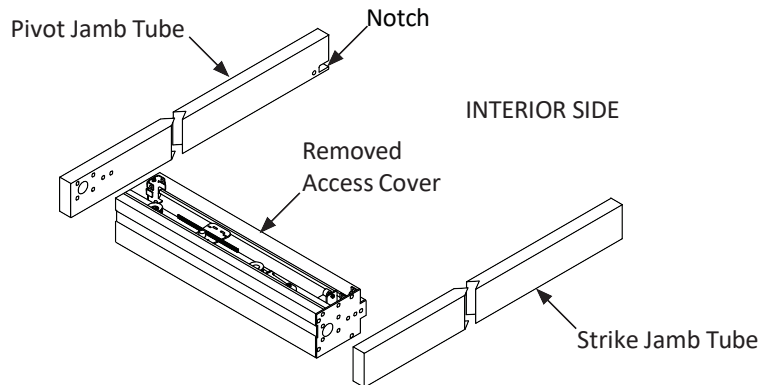
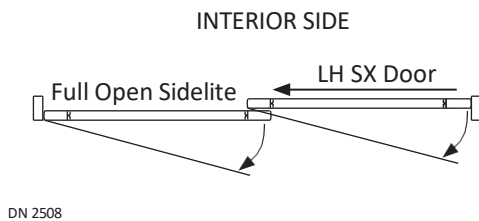


Figure 5: Layout Header and Jamb Tubes (Full Open)

Layout With Transom is also shown:

Example Shown:
Full Open, Left Hand
Single Slide with Transom

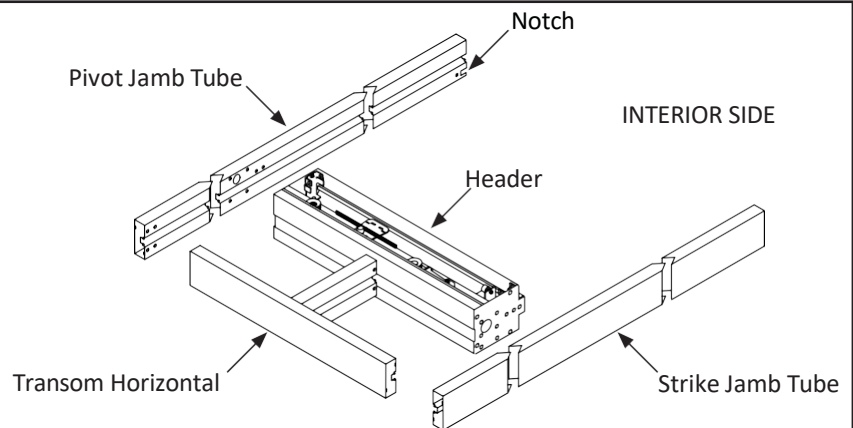
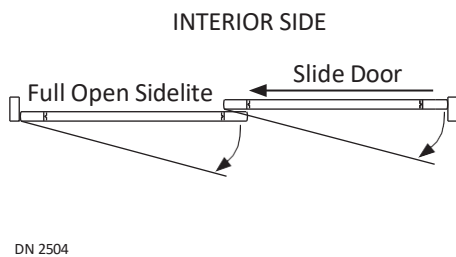


Figure 6: Layout Header and Jamb Tubes (Full Open with Transom)

SECTION 4.2: Secure the Jamb Tubes to the Header

1. Secure the Header to each Jamb Tube with (6) 1/4-20 x .75" 3/8" drive Whizlock screws.
 - a. If installed correctly there will be a 1/8" gap between the bottom of Jamb Tubes and the flat surface of the Header.

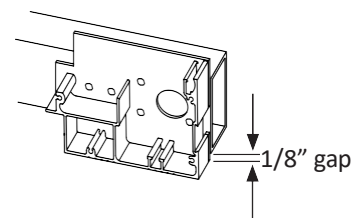
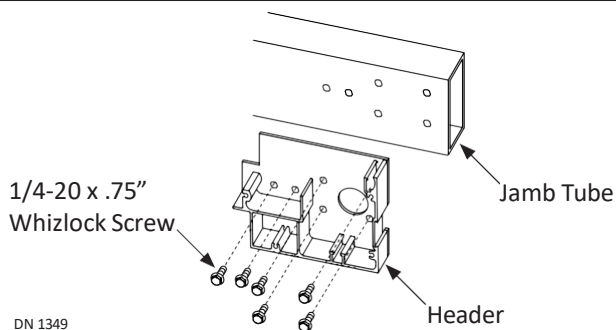
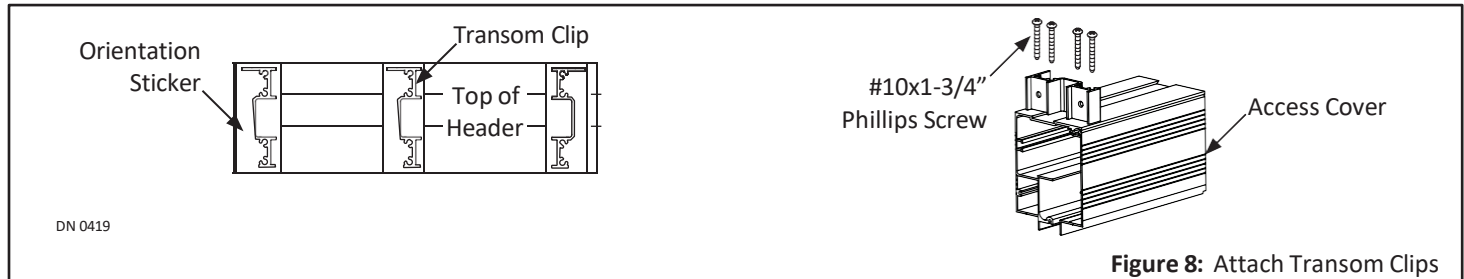


Figure 7: Secure Jamb Tubes to Header

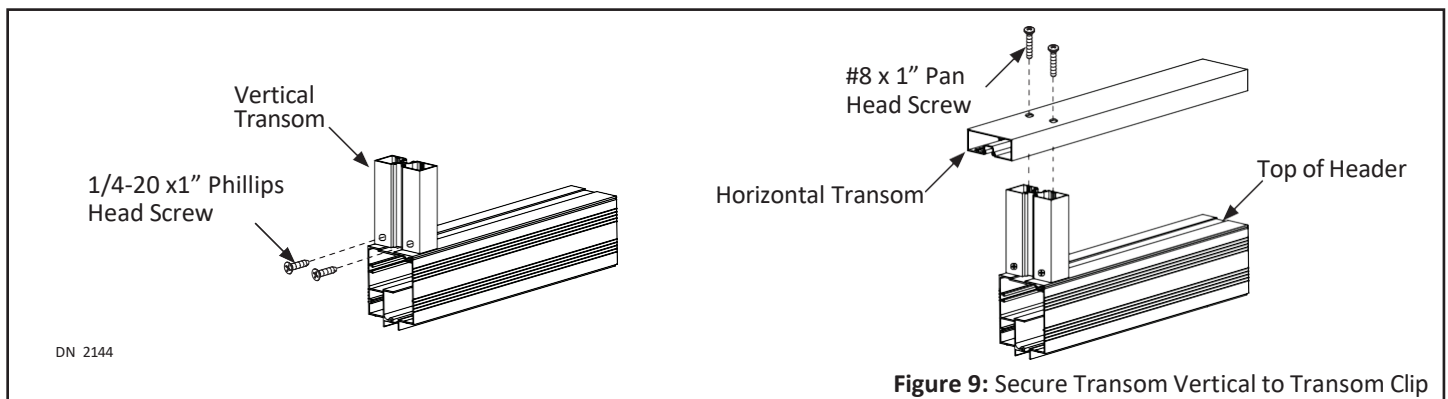
If Transom Unit, Secure the Transom to the Header and Jamb Tubes:

NOTE: For a Door Frame/Transom assembly that is over 11 feet (132 inches) tall, please call Customer Service (1-877-622-2694 Option #1) to SPECIAL ORDER a reinforced Transom with Tie Rods.

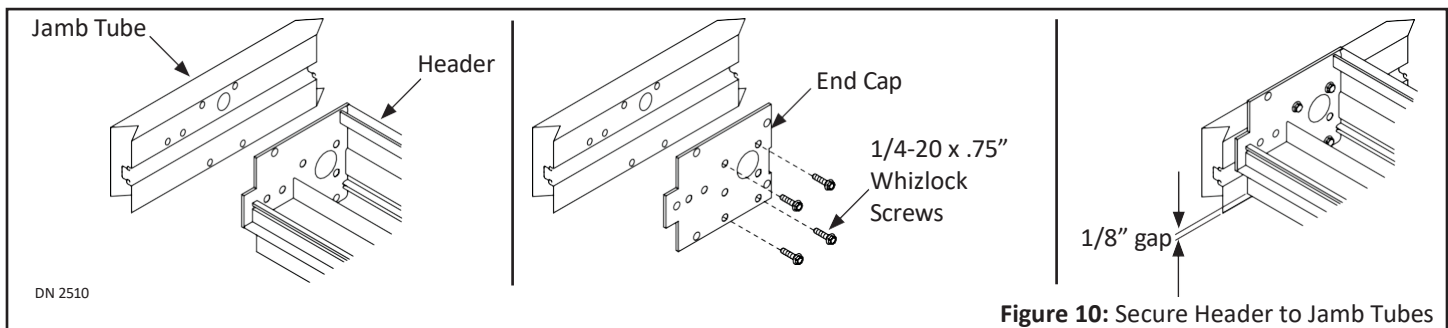
1. Place the Header on a flat surface. Align the Transom clips to the pre-drilled holes on top.
2. Secure Transom Clips to Header with #10 x 1-3/4" Phillips Pan Head screws.
 - a. Please refer to the orientation sticker located on the Header for proper location and orientation of clip(s).



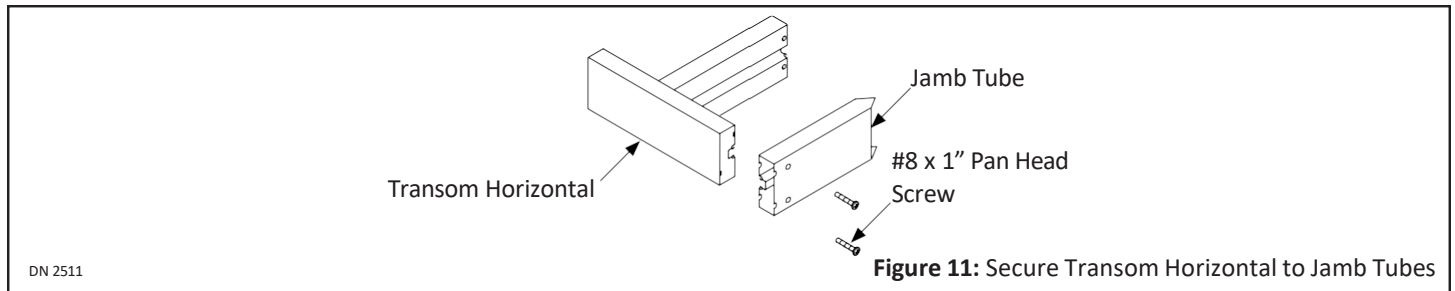
3. Secure (1) Transom Vertical to each Transom Clip with 1/4-20 x 1" Flat Head screws.
4. Secure the Transom Horizontal onto the Transom Verticals with #8 x 1" Pan Head screw.



5. Secure the Header to each Jamb Tube with (6) 1/4-20 x .75 Whizlock screws.
 - a. If installed correctly there will be a 1/8" gap between the bottom of Jamb Tubes and the flat surface of the Header:

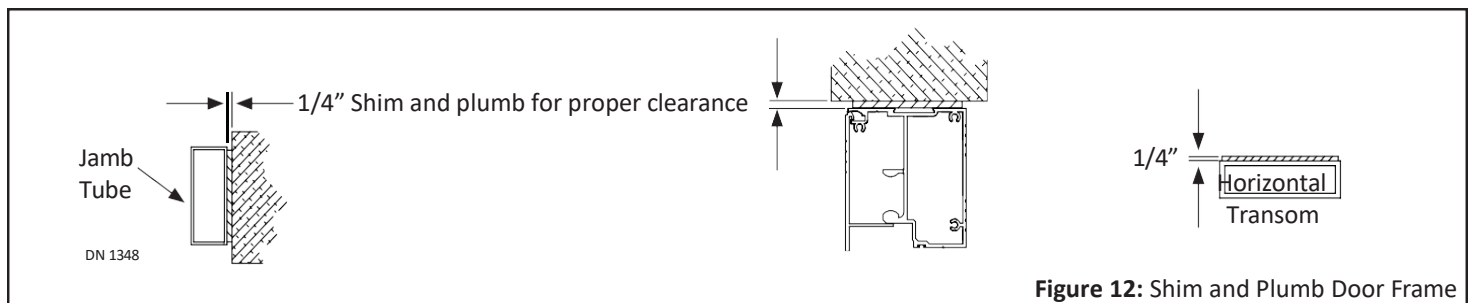


6. Secure each Jamb Tube to the Transom Horizontal with (2) #8 x 1" screws.



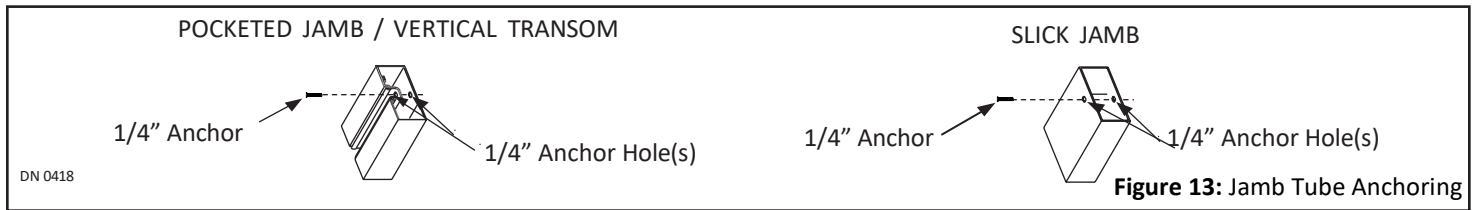
SECTION 4.3: Install the Door Frames into the RO

1. Be prepared to route the Power Whip and any Access Control Wiring into the header. Provide holes in the Assembled Frame if the Whips do not line up with the holes provided in the jamb tube(s).
2. Lift and tilt assembled Frame into the rough opening, being mindful of Power and Access Control wires. Double check that the Access Cover is facing the Interior Side.
3. Shim both Jamb Tubes in place at/or near the Header. Plumb the Header to make certain that the floor is level. Add shims between the Jamb Tubes and floor as needed.
4. Once determined where the Unit will sit in the RO, pin the tops of the Jamb Tubes at about 78" off of the finished floor.
5. Plumb the Jamb Tubes completely and shim/pin the bottoms at about 6" off of the finished floor.
6. Finalize straightness by anchoring Jamb Tubes at about 43" off of the finished floor, ensuring that the Jamb Tubes can be butted up to any straight edge with no gaps showing in the middle.
7. Finalize rigidity by anchoring Header or Transom Horizontal whenever necessary. It is recommended that every GT1175 have at least one top anchor point, and that any unit measuring larger than 8 feet (96") wide has at least 2 top anchor points.

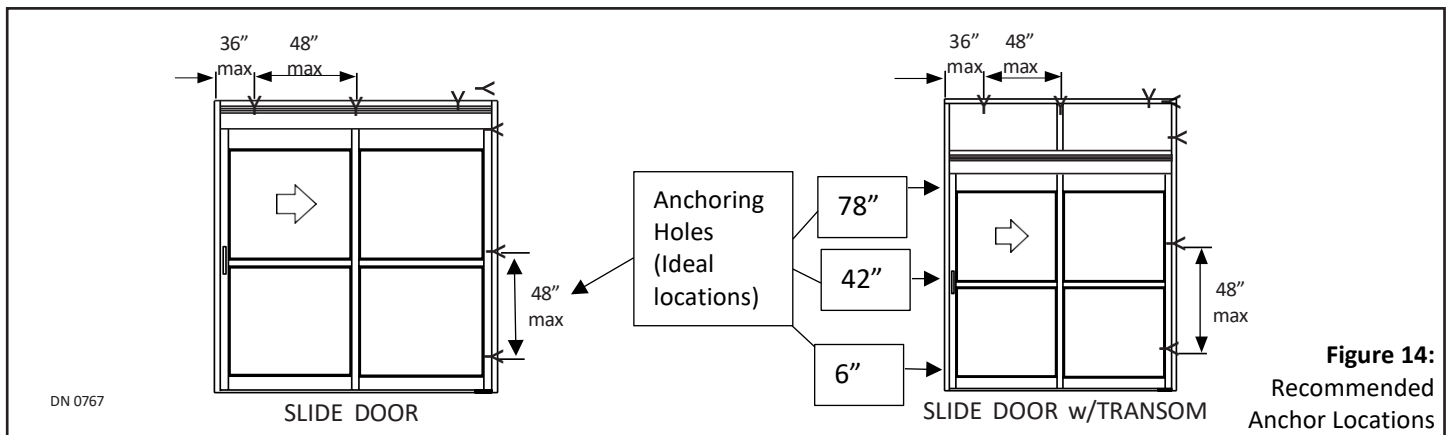


Helpful Hints:

- Anchor Screws ARE NOT provided by NABCO.
- Anchor Screws must be appropriate for the type of structure being fastened to.
- **Notes:**
 - *It is recommended* to countersink holes as required to flush the surface.
 - It is recommended to drill and tap threads for 1/4" anchors in a steel or aluminum structure.
 - Do not overtighten anchors to prevent deforming Jamb Tubes.



- Use 1/4" diameter anchors with a minimum of 3 per vertical Jamb Tube (6", 42", 78" from the finished floor) with a maximum distance between being 48" on center.
- Drill 1/4" diameter holes in the face of Jamb and then countersink each hole to maintain a flat, smooth surface.

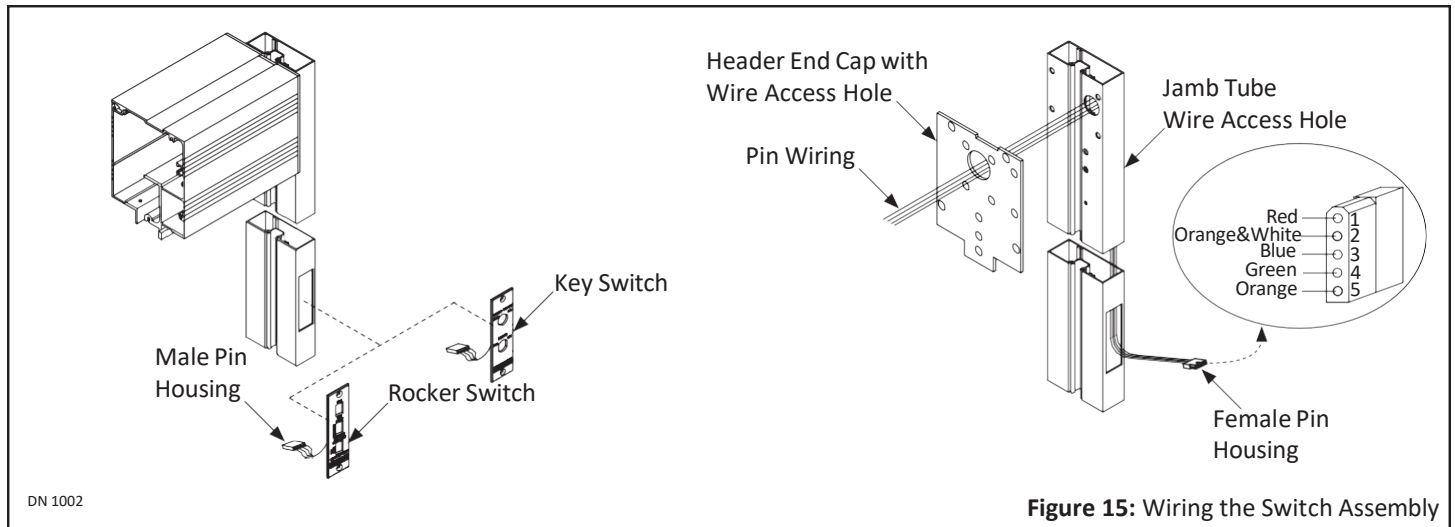


- To prevent Header sag, use 1/4" diameter anchors with a maximum distance between being 48" on center.
- Drill 1/4" diameter holes inside the top of Header, or Transom Horizontal if equipped with a Transom.

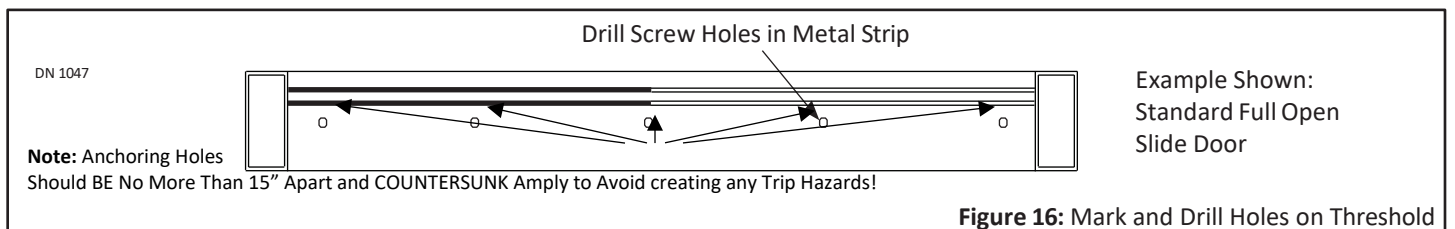
SECTION 4.4: WIRE the ROCKER/KEY SWITCH and SENSORS

1. Locate the Pin wiring in the Header that is attached to the Opus Control, Main Harness.
2. Draw Pin wiring through a hole located at the side of Header and Jamb Tube. Continue to route wiring down the Jamb Tube.
3. Pull the Pin Wiring out, through the cut out.
4. Obtain (1) plastic 5 Circuit Pin Connector from the Parts Box. Insert each Pin into the 5 Circuit Pin Connector accordingly:
 - 1 = Red
 - 2 = Orange and White
 - 3 = Blue
 - 4 = Green
 - 5 = Orange
5. Assembly and (2) 10-32 x 1/2" Phillips Head Screws from the Parts Box.
6. Connect the Switch Harness from the back of the Switch Assembly to the Main Harness. Place extra wiring back inside the Jamb Tube.
7. Insert the Switch Assembly into the Cut Out. Secure the Switch Assembly to the Jamb Tube with (2) 10-32 x 1/2" Screws.
8. Mount your last Sensor on the Header using screws provided in Sensor Box. The mating Harness for the Sensor will be inside of the Header at the Sensor Hole. A Zip Tie has been added to the Harness for ease of withdrawal.

SECTION 4.5: Finalize Bottom Track/Threshold Assembly



- Before finalizing the Bottom Track / Threshold for anchoring, have a discussion with the General Contractor regarding the flooring. Make sure to note:
 - If finished flooring will be “butted up” against one of both sides of the Bottom Track / Threshold
 - If Threshold is preferred in the Clear Door Opening
 - If an Expansion Joint is in the way of where the Bottom Track / Threshold needs to anchor
 - If Threshold is to be mounted underneath the Jamb Tubes
 - If Ramps are not preferred, height of the finished Carpet or Tiles, ETC.
- Prepare Bottom Track / Threshold with adequate $\frac{1}{4}$ ” countersunk holes being mindful of where joints, peaks and valleys lie in the Clear Opening. It is recommended that anchor holes be no more than 15” apart, and that the ends of the Bottom / Track / Threshold are anchored.



- Caulk a bead on the bottom side of the Bottom Track / Threshold Extrusion(s).
- Lay out Bottom Track / Threshold Assembly in between the Jamb Tubes, so that the mounting holes for the Bottom Pivot(s) align with the Cut Out(s) in the bottom of the Jamb.
Note: The Track(s) and Bumpers for the Sliding Panels will be towards the Interior Side of the Unit. It may be required to Snap a Chalk Line from Jamb to Jamb (In the event that there is no Threshold in the Clear Opening) in order to Secure the Bottom Track(s) in line with the Header. Be mindful of the Caulk bead laid on the floor.
- Gently lift Bottom Track / Threshold and Install Ramps if / where needed, again being mindful of the Caulk.

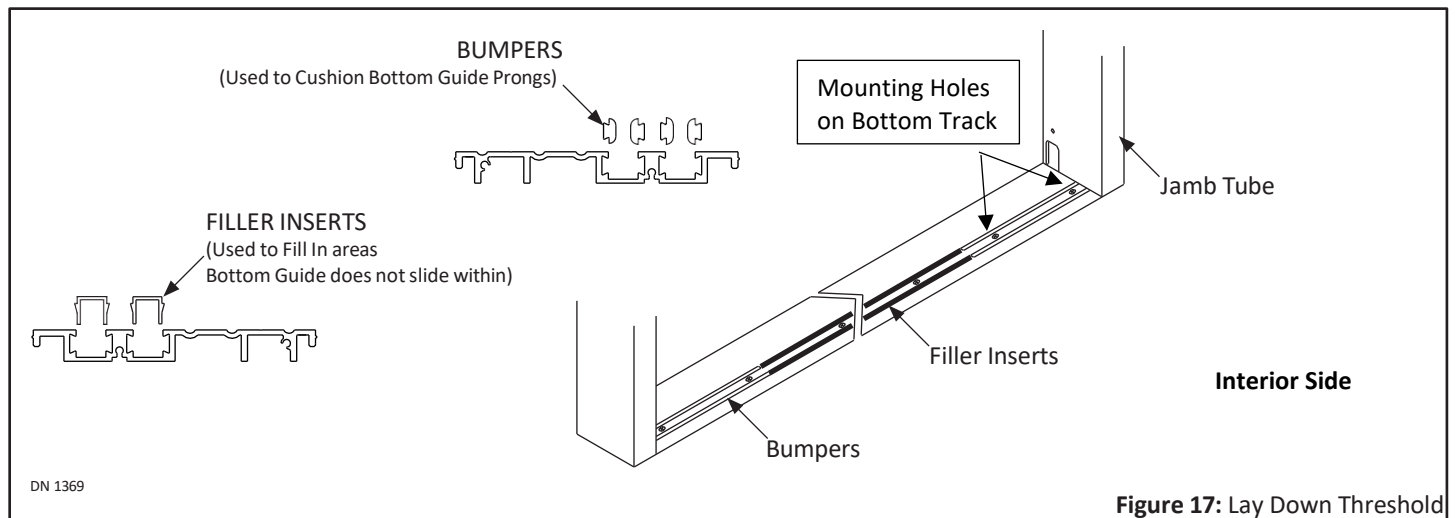


Figure 17: Lay Down Threshold

Lay Down Bottom Track / Threshold with Caulk to the Bottom Side

6. Level Bottom Track / Threshold as evenly as possible using Shim Spacers. Double check measurements from the Header down to the top surface of the Bottom Track / Threshold at multiple points.
7. Using a Masonry Drill bit (3/16" for TapCons, 1/4" or 5/16" for Concrete Anchors / Rowels and Screws), drill through the Bottom Track / Threshold anchoring holes into the Concrete Sub-Floor NO LESS THAN 1 1/2" DEEP. Use appropriate Concrete Anchors to tighten the Bottom Track / Threshold to the Sub-Floor and Shims firmly.

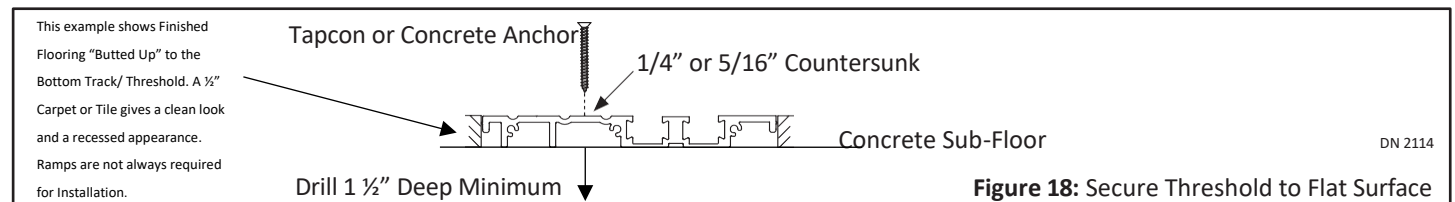
SEE EXAMPLE BELOW:

Figure 18: Secure Threshold to Flat Surface

8. Locate the Bottom Pivot and Bushing from the Parts Box and insert into the hole at the bottom of the Pivot Jamb Tube(s).
 - Secure the Bottom Pivot with (1) 1/4-20 x 1/2" Screw.
 - Using Masonry Bit (3/16"), drill through the Barrel of the Bottom Pivot into concrete Sub-Floor 3" deep minimum.
 - Insert (1) 2 3/4" TapCon Screw and tighten.
 - Cap the Barrel with (1) Bushing.

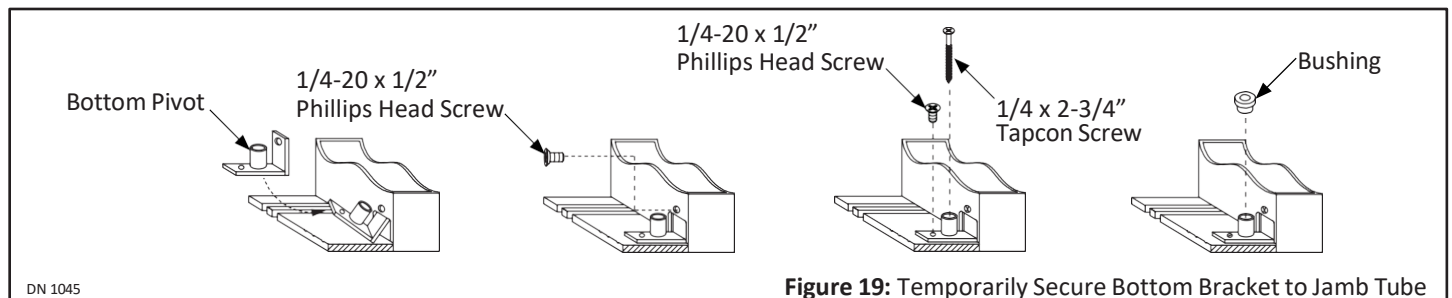
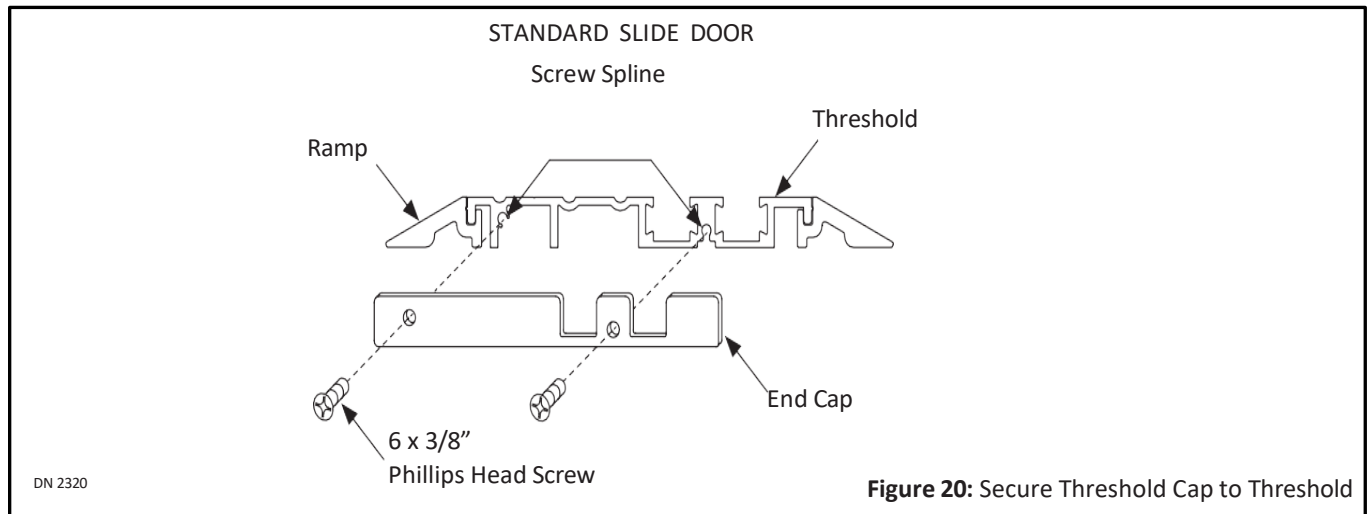
SEE EXAMPLE BELOW:

Figure 19: Temporarily Secure Bottom Bracket to Jamb Tube

9. If Installing Bottom Track(s) / Threshold underneath the SO Sidelite(s) **ONLY**, it is imperative to add the End Cap(s). This prevents the Track Bumpers from sliding out of the Bottom Track Extrusion.

SEE BELOW:



CHAPTER 5: **SECONDARY ASSEMBLY (“Doors Closing Assy”)**

SECTION 5.1: Secure the Break-Away Sidelite(s) (SO) to the Pivots

5.1.1 Assemble SO Panel onto the Floor Barrel:

- Locate the Bottom Pivot Pin inside the bottom of the SO Pivot Stile.
- Insert the Bottom Pivot Pin into the Floor Pivot Barrel that has been mounted to the Bottom Track / Threshold.

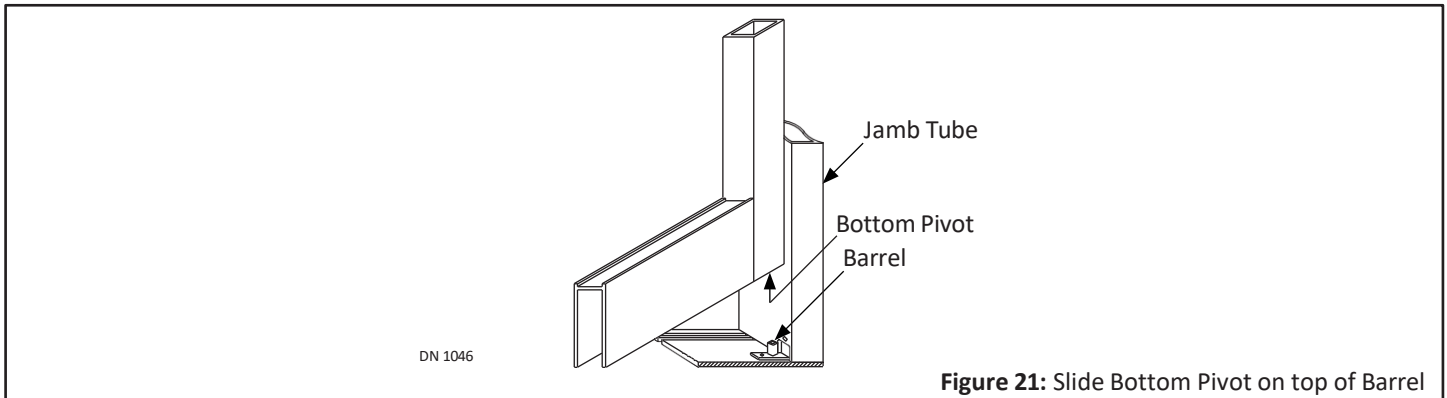


Figure 21: Slide Bottom Pivot on top of Barrel

5.1.2 Insert the Top Pivot into Header:

- Tilt the SO Panel **UP** and **IN** toward the Header.
- Locate the Top Pivot Spring Pin located in the top of the SO Pivot Stile.
- Push it down.
- Align it with the Pivot Hole located at the bottom of the Header.
- Release the Pivot Pin to engage **FULLY** into the Hole.
- If necessary, use a Flathead Screwdriver to lift the Spring Pin until it is fully seated upwards.
- Be mindful of any wire ends protruding from the corner of the Header.

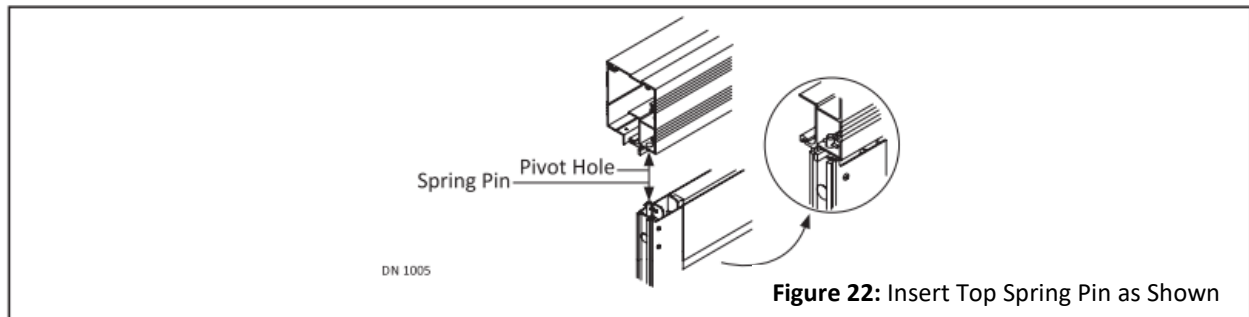
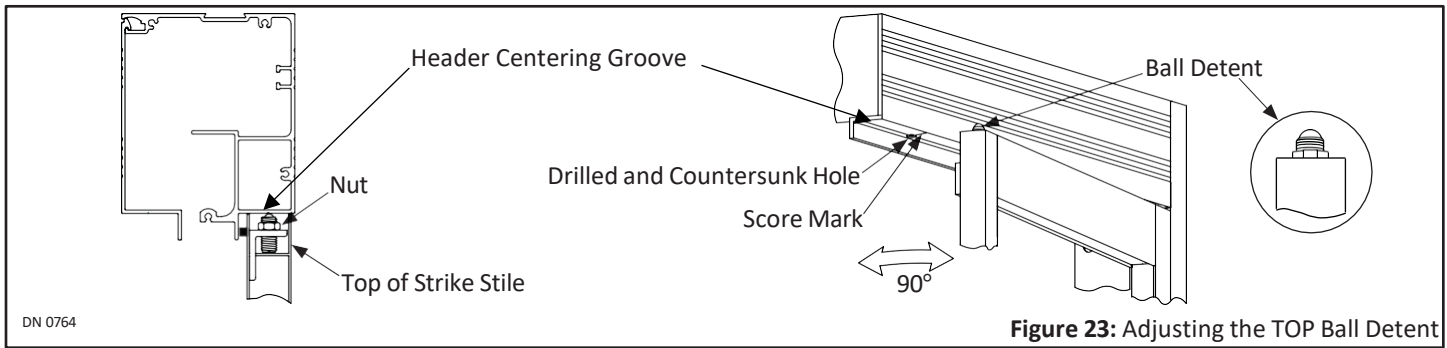


Figure 22: Insert Top Spring Pin as Shown

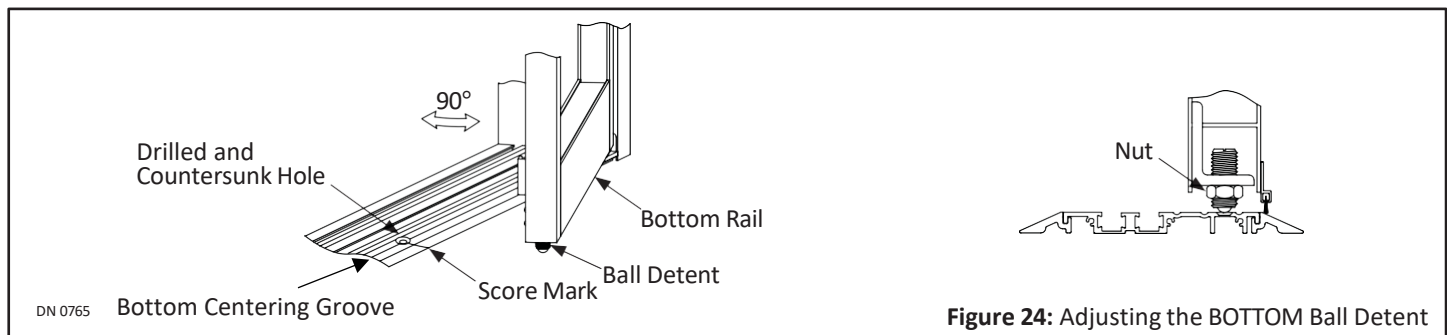
5.1.3 Adjust the TOP Ball Detent(s):

- Loosen the 15/16ths Nut at the top of the SO Panel.
- Raise or lower the Ball Detent so it makes light contact with the Header while swinging the SO Panel closed.
- Re-tighten the 15/16ths Nut.
- Open and close the SO Panel several times to score the bottom of the Header.
- Locate where the Score Mark intersects the Centering Groove of the Header and drill a 1/4" Hole.
- Lightly Countersink the Hole as to seat the Ball Detent.



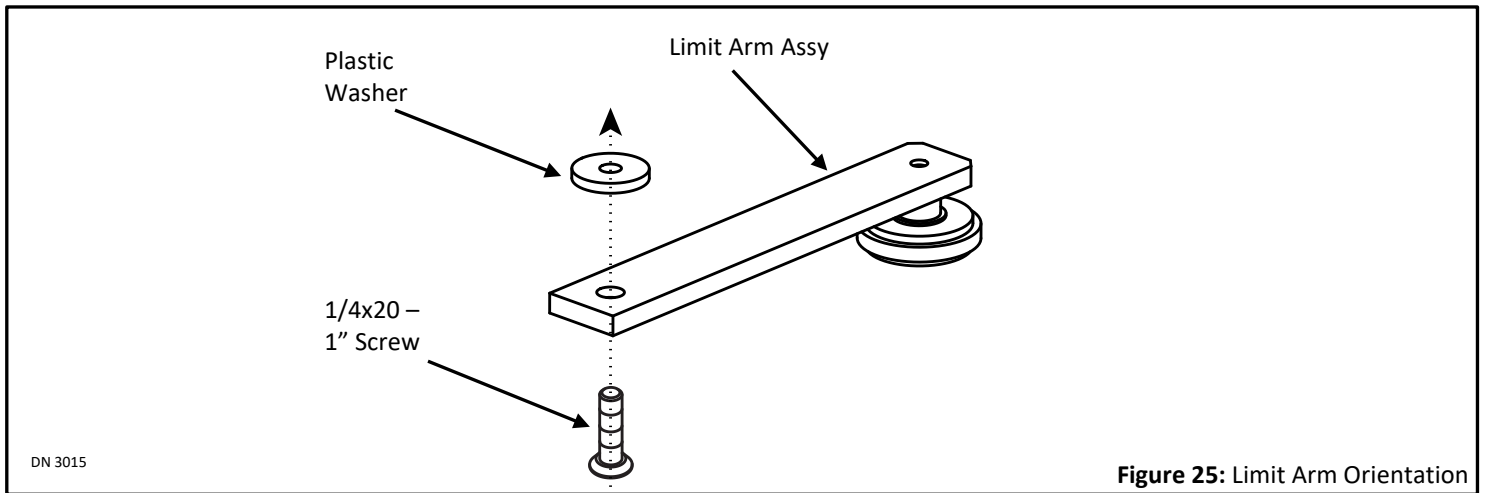
5.1.4 Adjust the BOTTOM Ball Detent(s):

- Loosen the 15/16ths Nut at the top of the SO Panel.
- Raise or lower the Ball Detent so it makes light contact with the Bottom Track while swinging the SO Panel closed.
- Re-tighten the 15/16ths Nut.
- Open and close the SO Panel several times to score the top of the Bottom Track.
- Locate where the Score Mark intersects the Centering Groove of the Bottom Track and drill a 1/4" Hole.
- Lightly Countersink the Hole as to seat the Ball Detent.

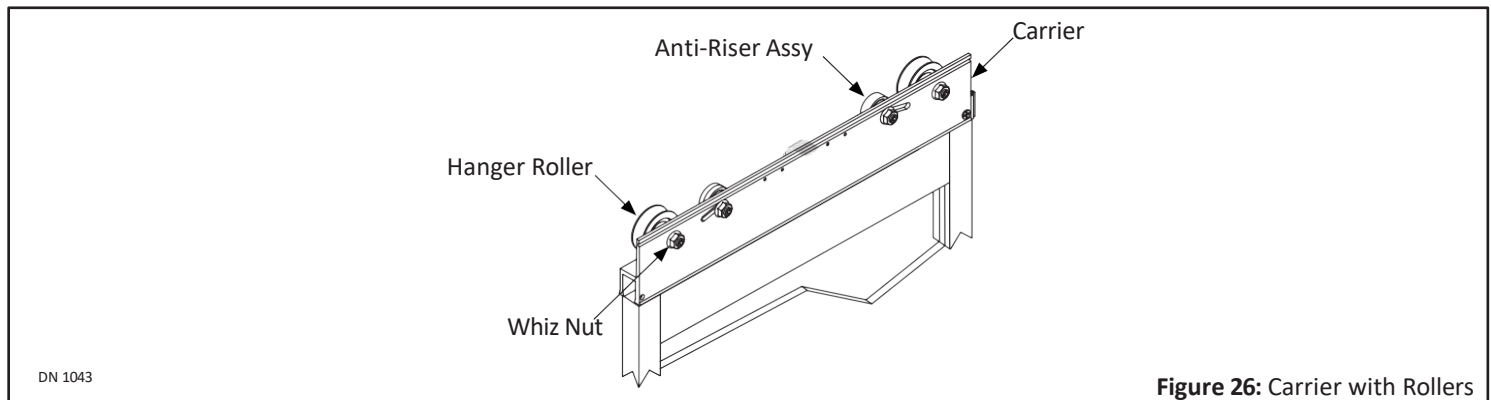


5.1.5 Install Limit Arm:

- Break-away the SO Panel to appx. 90°.
- Using the Limit Arm(s), T-00069 Plastic Washer(s) and 1/4 x 20 – 1" Vibratite Screw(s) from the Parts Box, insert the Wheel end of the Limit Arm into the Top Rail of the SO Panel.
- Put the Vibratite Screw into the Countersunk Hole of the Limit Arm and the Plastic Washer in between the Header and Limit Arm.
- Screw assembly onto the Header using the tapped Screw Hole in the Header next to the Top Pivot.

**Figure 25:** Limit Arm Orientation**5.1.6 Connect Beam Ends into SO Panel:**

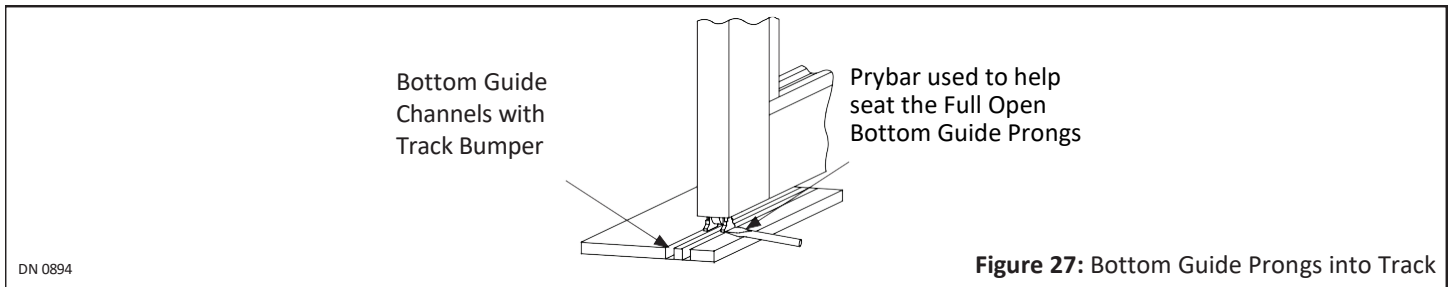
- Connect Beam End(s) into the Top Rail(s) and route into 3pcs. of Plastic J Clips provided, so the wires are clear of the Limit Arm Wheel articulation.
- Stuff service loop into the front style of SO Panel, underneath the Top Ball Detent.
- Close the SO Panel(s).

SECTION 5.2: Secure the Sliding Door Panel (SX) to Header and into Bottom Track**Figure 26:** Carrier with Rollers**5.2.1 Prepare the SX Panel:**

- Insert 7/32" Allen wrench into the exposed end of the Hanger Roller Axle and hold it in place.
- At the same time, loosen the 7/16-20 Whiz Nuts with a 11/16" Open End Wrench.
- Adjust the Hanger Roller Wheels so there is no more than 3/16" sticking up from the top of the Carrier.
- -Finger tighten the Whiz Nuts.
- Using a 15/16" Open End Wrench, loosen the Anti-Risers Nuts and slide them halfway up the screw chase.
- Finger tighten the Anti-Riser Nuts

5.2.2 Maneuver SX Panel into Place:

- Lift the SX Panel, being mindful of the weight of the carrier at the top, and maneuver above the Bottom Guide Track, with the Bottom Guides(s) oriented toward the Pivot Jamb(s).
- Insert the Full Open Bottom Guide Prongs into the Bottom Track Assembly and insert the Top Rollers onto the track of the Header.
- If the Bottom Guide is not seated properly into the Bottom Guide Channels, prongs can be lifted up and reseated using a Prybar.
- Repeat process on the other side for a Bi-Parting Unit.

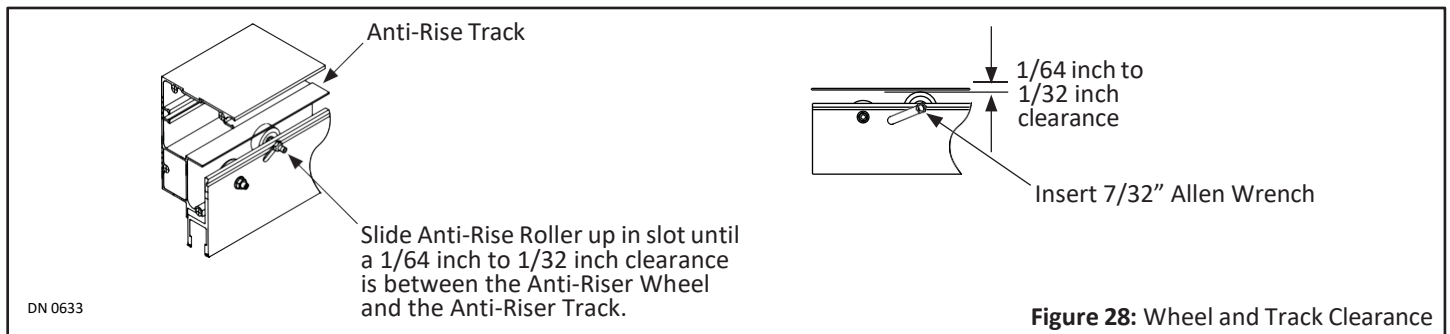


5.2.3 Leveling Using Roller Cams:

- Loosen Whiz Nuts (11/16") at the Hanger Rollers and use a 7/32 Allen Wrench to articulate the Roller Cams, leveling out the SX Panel.
- Ensure that Strike/Lock Style of SX Panel(s) are level.
- When fully closed, there should be zero Gap in the weathering from the top all the way down to the bottom.
- Tighten Whiz Nuts at Hanger Rollers.

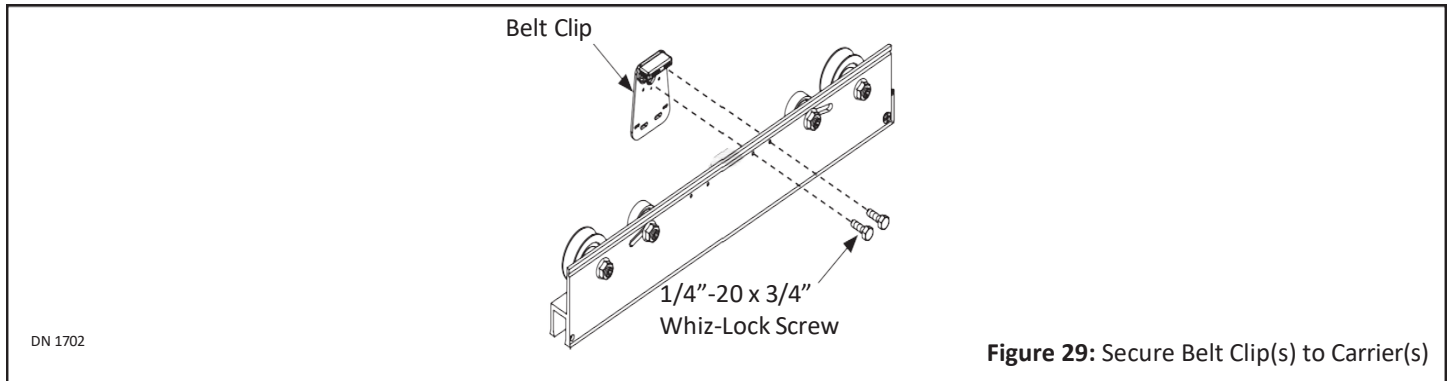
5.2.4 Tighten Anti-Riser Assemblies:

- Loosen Anti-Riser Nuts using 15/16ths Wrench and move the Anti-Riser up in the Screw Chase until it is between 1/64" and 1/32" from the top.
- Re-tighten the Nuts and ensure that the SX Panel cannot fall off of the Top Track.
- Duplicate on the other side if installing a Bi-Parting Unit.



5.2.5 Secure Slide Door to Belt Clips:

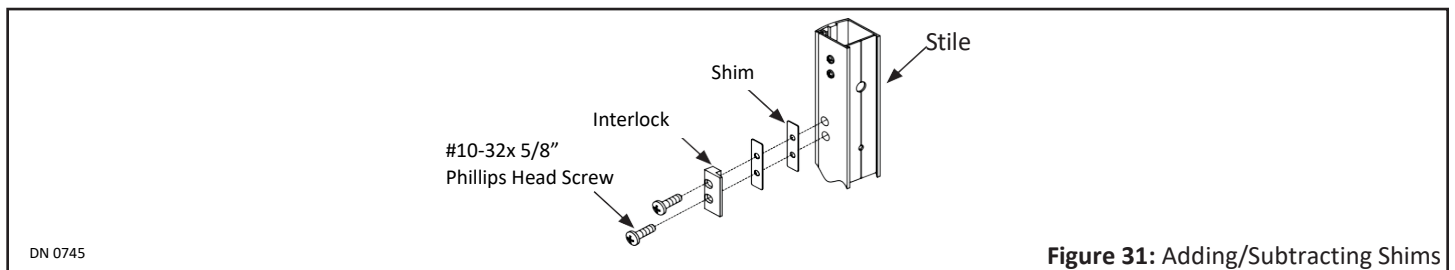
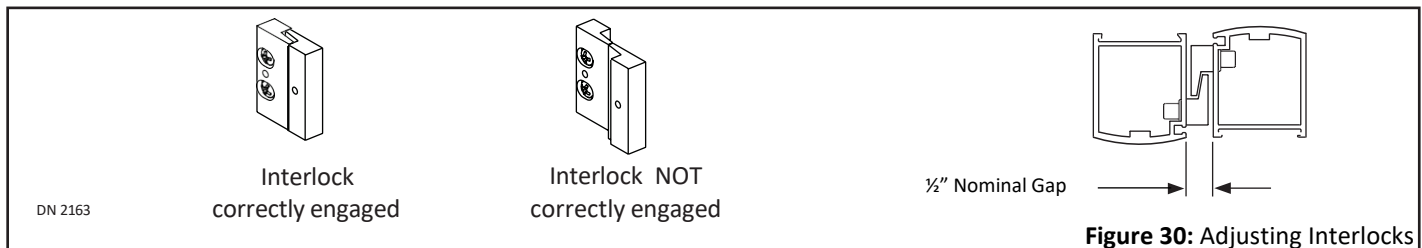
- Secure each Belt Clip to each Carrier with (2) 1/4-20 x 3/4" Whiz-Lock screws.
- If installing a Bi-Part, the Belt Clip on the LH SX Panel should be connected to the top of the Belt.
- The RH SX Panel should be connected to the bottom of the Belt.



5.2.6 Adjust Interlocks:

- Slide the SX Panel(s) completely closed, allowing Interlocks to engage.
- When fully closed, the SO Panel(s) should not be able swing open.
- Ensure that each Interlock (4pcs on a Single, 8pcs. on a Bi-Part) is secured tightly and aligned properly.
- Loosen the 10-32 x 5/8ths screws and adjust/add shims where needed for 1/2" Nominal Gap and correct engagement.

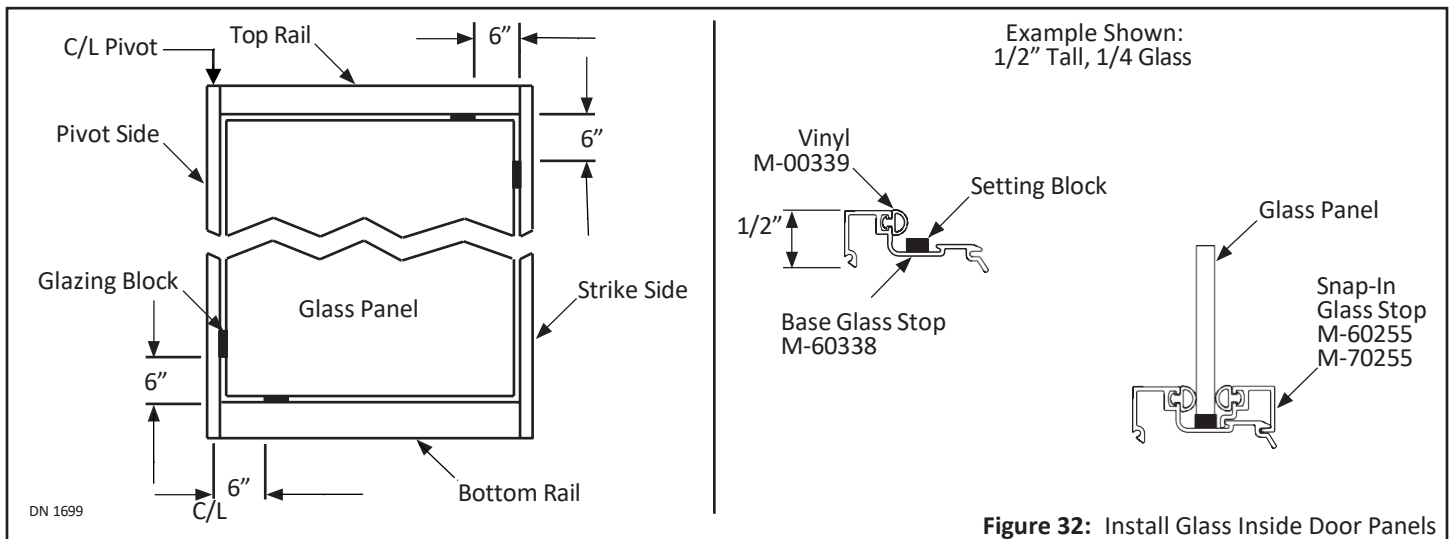
SEE DIAGRAMS BELOW:



SECTION 5.3: Installing Glass in Panels:

NOTE: 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.
3. Measure (6) inches across from the Strike End of Top Rail, towards the Pivot Stile. Mark that spot.
4. Measure (6) inches down from the Strike End of Top Rail towards the Bottom Rail. Mark that spot.
5. Go to the PIVOT side of panel at the BOTTOM.
6. Measure (6) inches across from the Pivot End of Bottom Rail, towards the Strike Stile. Mark that spot.
7. Measure (6) inches up from the Pivot End of Bottom Rail, towards the Top Rail. Mark that spot.
8. For each marked spot, place (1) Setting Block (not provided by NABCO) on top of the Base Glass Stops.
9. Place the Glass Panel on top of the Setting Blocks and up against the Vinyl.
10. Shift the Glass Panel until it is square. Secure the Glass Panel with Snap-In Glass Stops, starting with the Horizontal Stops first.
11. 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).
12. **When Glazing Full Open SO/SX Units**, the panels will have a tendency to want to break away as you are setting Glass and pounding Stops! Be sure to secure the Breakout side of all panels with wedges or with a helper to complete this process.



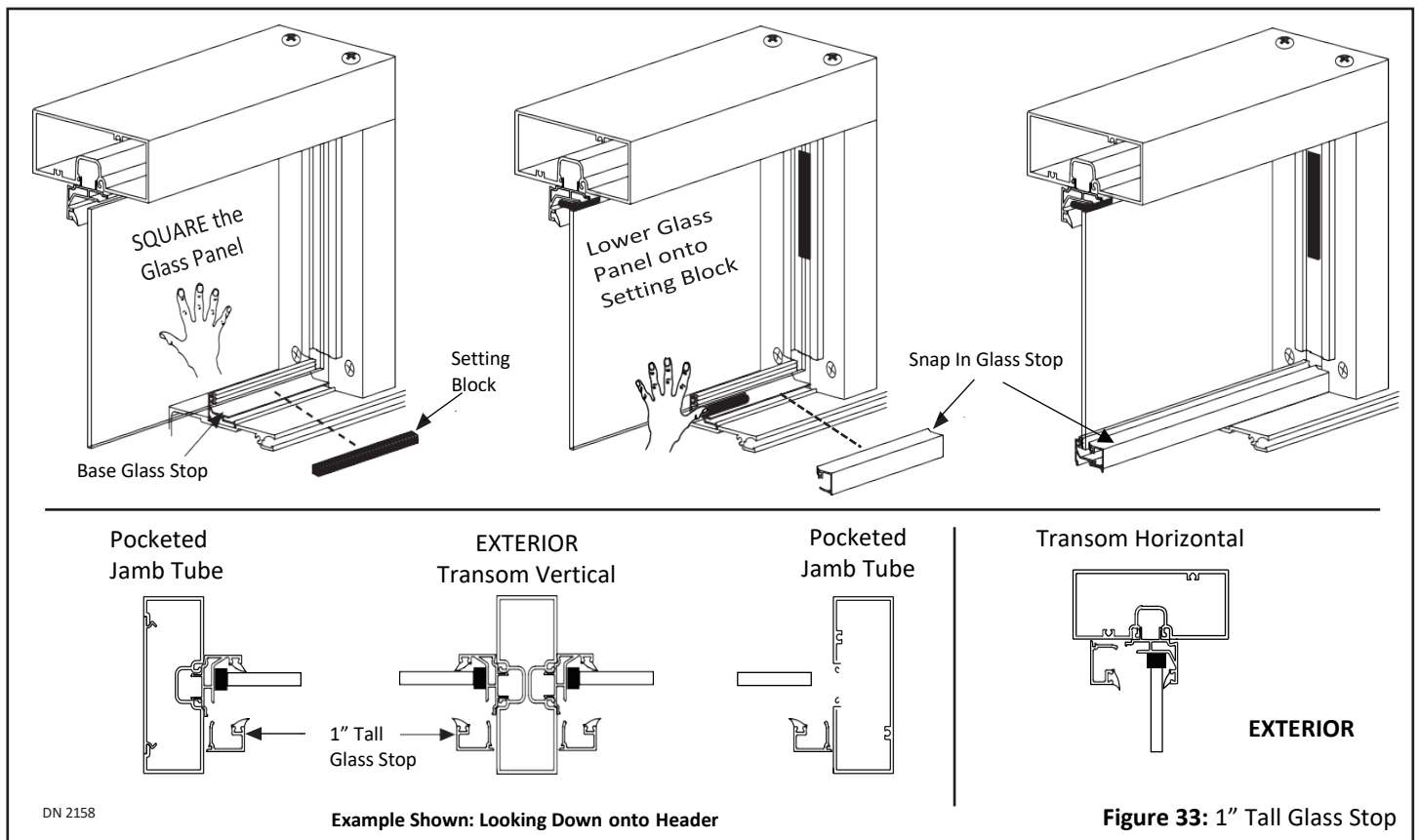
5.3.1: Install Transom Glass (If Required)

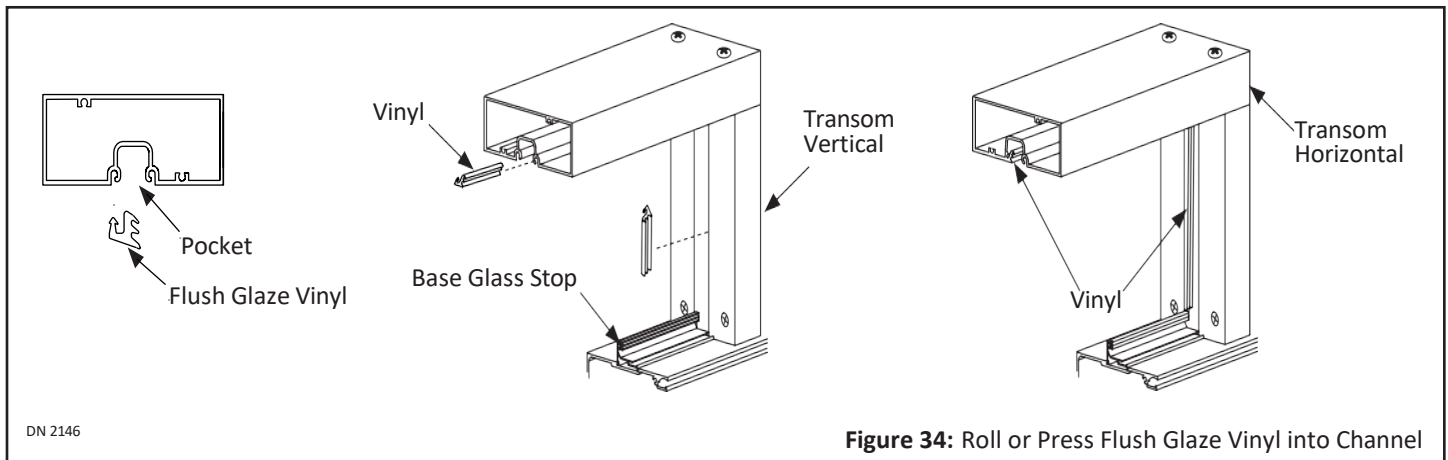
NOTICE

: Place Setting Blocks near Jamb Tubes or Transom Verticals for proper weight distribution.

NOTE: Setting Blocks are not provided by NABCO.

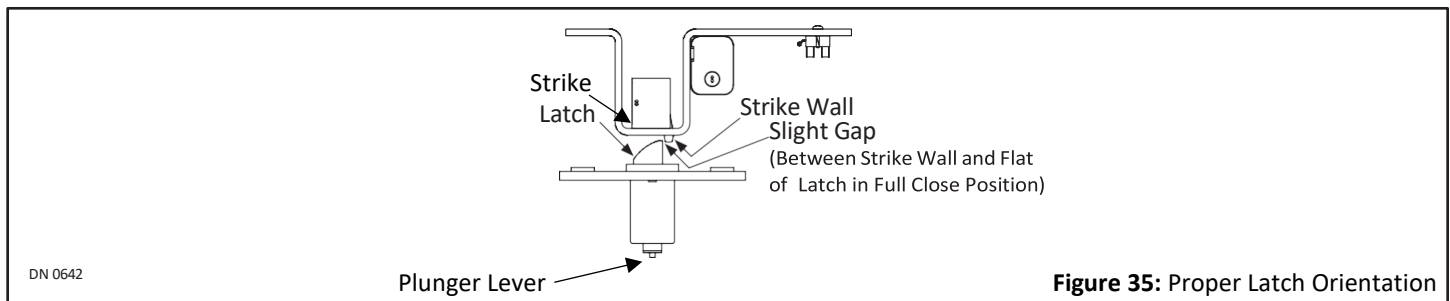
- Obtain (1) Glass Panel, multiple Setting Blocks, and Snap-In Glass Stops.
- Simultaneously, insert Glass Panel UP into the Transom Horizontal Pocket and Jamb Tube or Transom Vertical Pocket. Carefully shift the Glass Panel in and out of side pockets until square.
- Hold the Glass Panel in place and go to the Header. Place Setting Block on top of the Base Stop.
- Carefully lower the Glass Panel onto the Setting Block. Snap Glass Stop into the Base Glass Stop to secure the assembly.
- Go to the Transom Horizontal. Place (1) Setting Block between the Base Glass Stop and Transom Horizontal. Snap in (1) Glass Stop into the Base Glass Stop to secure the assembly. Repeat as necessary.
- Repeat all of these steps for multiple Transom Glass Panels.





SECTION 5.4: Check the Locking Mechanism

1. -If the Unit was equipped with an Electric Latch Lock Assembly, ensure that the Latch Bolt (on the Carrier Bracket) lines up with the Electric Lock (in the Header) at the FULLY CLOSED POSITION and is oriented so the flat side of the Latch faces the Terminal Strip side of the Electric Lock.
-The SX Panel(s) should be fully closed with no gaps in the weathering at the leading edge(s).



HELPFUL HINT: The electric Lock Assy can be unlocked manually by pulling the plunger level on the Latch Bolt.

2. -If the Unit was equipped with a Standard Adams Right MS Lock, ensure that the Hook Bolt (lock flipper) engages and retracts properly in the FULLY CLOSED POSITION with both the Key Cylinder and the Thumbturn (if equipped).
-Make adjustments to the Cylinders and Lock Rod if needed.

CHAPTER 6: **E**ND PROCESSES

SECTION 6.1: Final Adjustments:

1. **Identify if 120VAC is present.** The power switch at the Opus Board should be "ON", and lights on the Sensors and Beam Board should be on. The display at the Opus board should illuminate and be prepared for Stroke Learn and Tune-In. **DO NOT TUNE IN AT THIS TIME.**
2. **Readjust Level** at the Roller Cams and Anti-Riser Assys on the SX Panel(s) to compensate for the weight of the glass that was newly installed. Reference Chapter 5) B .3 and .4 for tightening and securing the Rollers.
3. **Readjust Ball Detents** at the SO Panel(s) to compensate for the weight of the glass that was newly installed. Break Away SO Panel and check 90° opening, making sure that Safety Beam Wires are not being pinched. Reference Section 5.1.3 and 5.1.4 for tightening ball detents.
4. **Check Interlock Function between SO and SX Panels.** Close SO Panel(s). Ensure that there is no physical bind between the Panels' Interlocks, and that when the doors are closed, they are secure. Section 5.2.6 for Interlock Adjustment.
5. **Preload or "Rack" SX Panel(s):**

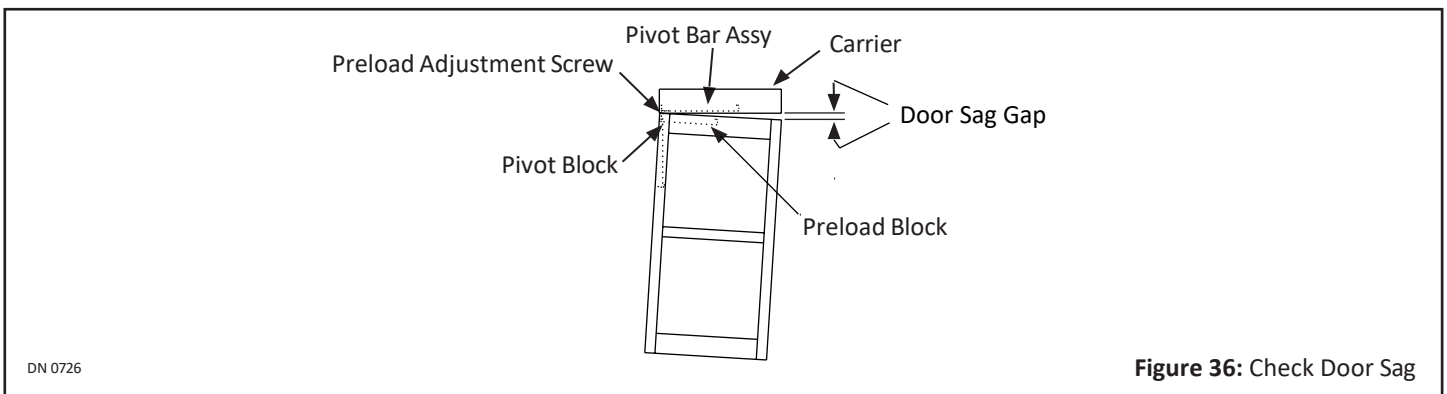


Figure 36: Check Door Sag

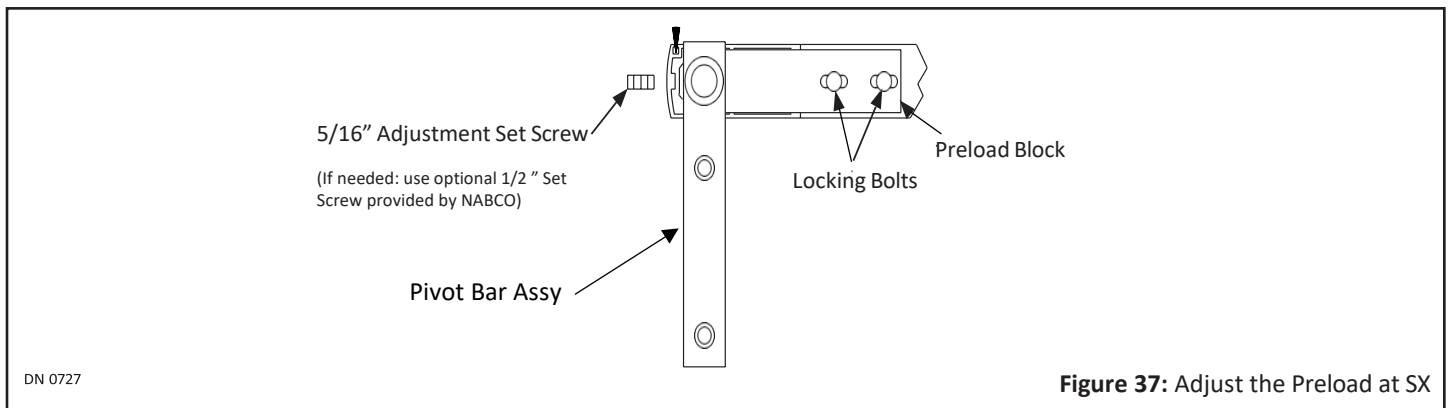
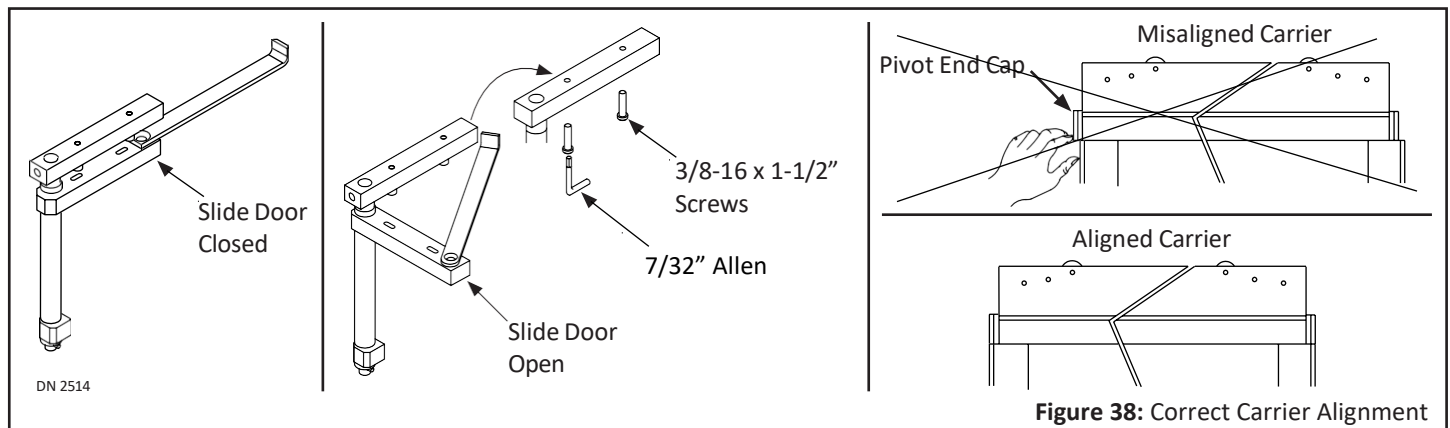


Figure 37: Adjust the Preload at SX

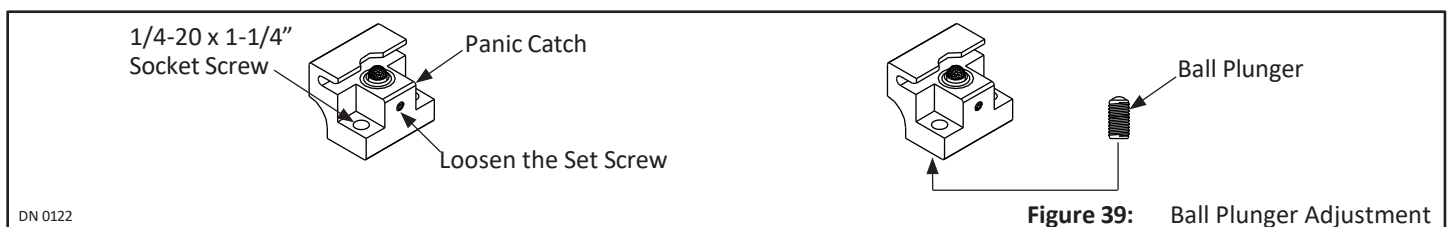
6. Break Away the SO Panel(s).
7. Support the weight of SX Panel, then Breakout SX Panel door approximately 25 degrees. Check for door sag. The Slide door should latch without having to be manually lifted.
8. Locate the Preload Block located inside the Top Rail and loosen the 2pcs. of 1/4-20 x 1" Hex Screws used to secure the Carrier Pivot Assembly to the Top Door Web.

9. Locate the top of the Pivot Stile and Adjust Door Sag by tightening the 5/16-24 x 1/2" Set Screw with a 5/32" Allen Wrench. Tightening the Set Screw will raise the Strike Side of the SX Panel.
10. Do not allow the Adjustment Set Screw to protrude more than 7/32" past the end of stile. Substitute the 5/8" Set Screw with the optional 1/2" Set Screw (in the Parts Box A-00407) if needed.

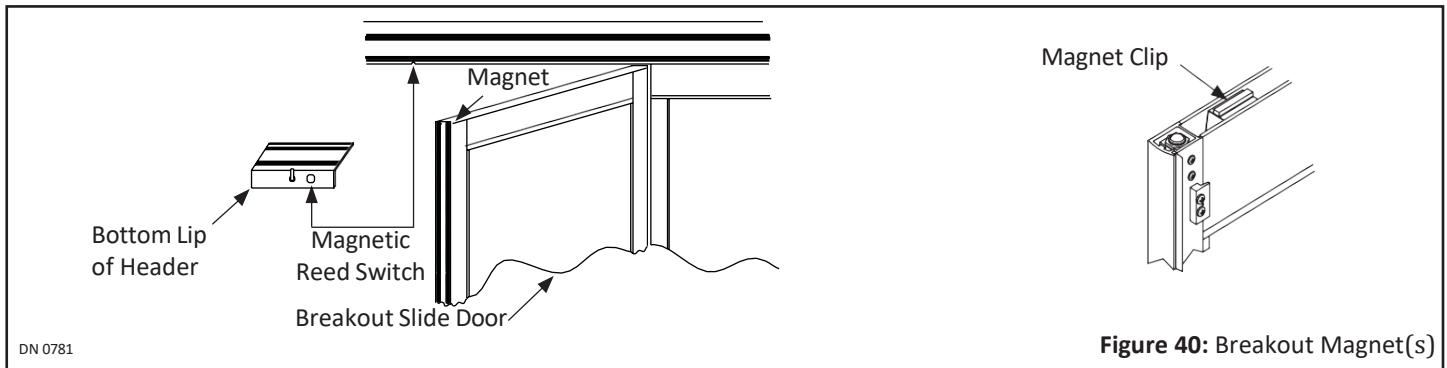
Align Carrier(s):



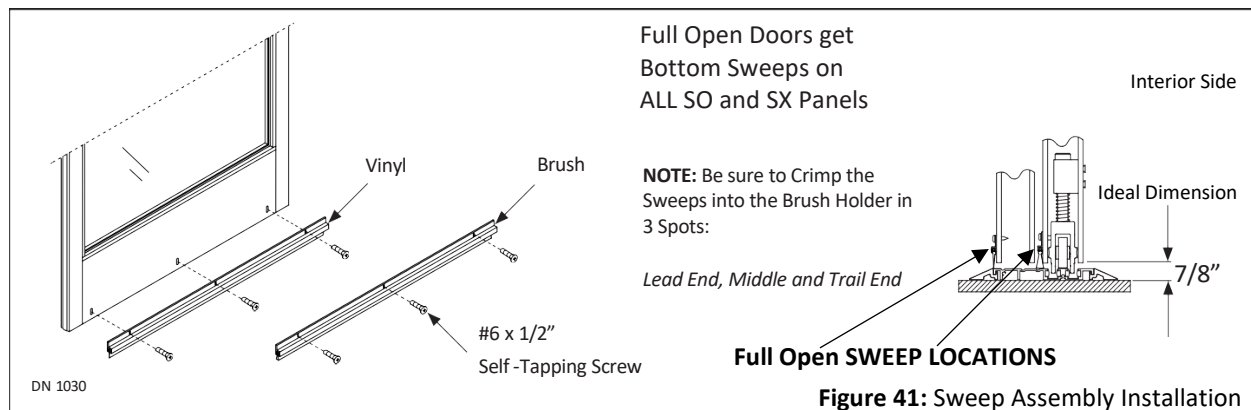
11. Break Open the SX Panel. Locate the Pivot Assembly inside the Carrier.
12. Loosen (2) 3/8-16 x 1-1/2" Screws securing the Pivot Assembly to the Carrier.
13. Slide the Carrier Bar to the left or right, until the SX Panel is aligned to the Carrier. Tighten (2) 3/8-16 x 1-1/2" Screws.
14. Verify that 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:
15. Locate the Upper Panic Catch and loosen (2) 5/16-18 x 1.25" Set Screws.
16. Slide the Upper Panic Catch to the right or to the left until it is aligned to the Lower Panic Catch. Tighten Set Screws.



17. Breakout the SX Panel. Remove the Panic Catch Assembly in the Top Rail (closest to the Strike Stile).
18. Loosen the Set screw that is located in front of the Panic Catch.
19. Raise or lower the Ball Plunger underneath the Ball Detent Assembly to adjust tension height.
20. The Ball Plunger must be adjusted for proper breakout resistance to meet ANSI A156.10 code (50lbs. of force or less) and/or local code. NOTE: Use minimal engagement if Panic Hardware is used.
21. Tighten the Set Screw and secure the Panic Catch Assembly inside the Top Rail with 2pcs. 1/4-20 x 1-1/4" Socket Head screws.

Adjust the Breakout Magnet:

22. Break away the SO Panel and locate the 3/8" circular Magnetic Reed Switch located underneath the Lip of the Header. Ensure that the Magnet Clip at the top of the SO Panel is slid into the proper location directly below the Magnetic Reed Switch when the Panel is closed.
23. Repeat as necessary if a Bi-Parting Unit.
24. Install Sweep Assemblies as shown below.

Install Sweep Assemblies:**SECTION 6.2: Stroke Learn and Tune-In:**

1. Clear the Area near the Door of Debris and Moving Objects.
2. Cordon off the Area near the Door from Foot Traffic during testing. Use Traffic Cones and/or Caution Tape if necessary.
3. Refer to Nabco OPUS Slide Wire & Program Manual C-00391, associated Safety Sensor Manuals and the ANSI/BHMA A156.10 Standard to perform Stroke-Learn and Tuning Functions to any Full Open GT1175 Slider.
4. CONFIRM with the End User, Building Owner, or General Contractor how the door is to be used. Re-tune the GT1175 Slider if necessary to perform as needed.

SECTION 6.3: Perform Safety Checks and Apply Signage

1. Ensure Header Cover has been closed and properly secured with 2pcs. 10-24 x 0.625" screws.
2. Ensure all other hardware and Safety Sensors are properly secured.
3. Ensure the Rocker Switch or Key Switch is set to "ON".
4. Check the motion of the SX Panel(s); panel(s) should slide freely without interruption.
5. Test Emergency Break Out. In Break Out mode, the door must not activate. All of the SO and SX Panels should break away to 90°.
6. Test for proper operation in One-Way, Two-Way, Night Mode, and Reduced Open Mode.
7. Apply Decals and Signage. Please refer to P/N C-00109 "GT1175 Slide Door Owner's Manual" inside the Decal Packet. Chapter 9 provides locations of all Safety Signage.
8. Clean the doors, header, and frame. Inspect the area around the Door. The floor should be clean with no loose parts.
9. If required, perform AAADM Inspection per BHMA/ANSI 156.10.
10. Perform Walk-Through and Daily Safety Check with End User, Building Owner, or General Contractor. Complete and get signatures for all Paperwork, Documentation, Job Completion Sheets, and vendor required forms. Take pictures of the GT1175 from the Interior and Exterior for documentation purposes.

CHAPTER 7: QUICK INSTALLATION PROCEDURE: GT1175 FULL OPEN UNIT (POISE)

SECTION 7.1: Prepare

1. Read the updated Installation Instructions and corresponding OPUS Wiring and Programming Manual (C-00391).
2. Have pertinent Shop Drawings, Prints and Tools.
3. Make sure that your cell phone has service.
4. Find your Unloading Zone and/or Parking Area for the day/week.
5. Check the material that Nabco has made to the Prints, double check RO's including WHAT IS GOING ON WITH YOUR FLOOR? Expansion Joints? Where adequate anchorage is?
6. "See" or conceptualize the Installation before you even do anything to the opening....
 - o Is this a Tear-Out as well?
7. Meet (face to face if possible) the contractor and other important trades to your Install (i.e., Glasshouse, Electrician, Access Control) to coordinate or schedule other work.
8. Get as many answers as to your Installation before you lift a tool or unpackage a box.

SECTION 7.2: Organize

1. Set-up your workspace before you remove product from your work vehicle.
2. Bring out Tools, Carts and Saw-horses.
3. Plan for adequate pathways, know where the dumpster is, identify problem areas if in a construction site, identify pathways for paying customers if Install is in a working place of business.
4. Use Construction Cones or Caution Tape to herd traffic.
5. If Glazing, have an area laid out to put your glass down, and an adequate pathway to Install said glass.
6. Always keep your tools, glass stops or other assembly parts within reach.
7. Make certain that your work vehicle is nearby for the tools that you will be needing later.
8. Have adequate power to charge batteries or run Corded Power Tools.
9. Take the time to organize and prepare... you will save time in the end.

SECTION 7.3: Initial Assembly ("Sawhorse" or "Rough-In" Assembly)

1. Use the Sawhorses to assemble and screw-prepare as much as you can of your Automatic Door. Reference this Installation Manual and your Prints/Cut-sheets.
2. Build and screw prep the entire frame and header. Mount sensors/switches and run/punch-down Radio Control Receiver wiring if needed. Run Beam Wires.
3. Utilize this time to assemble and wire as much of the GT1175 Frame as you can at waist level rather than up in the air. Also take this time to prepare holes for the incoming 120VAC Power and Access Control wires. Visualize how the unit is to "Stand UP" or "Get Up" into the opening.
4. **ASK YOURSELF:** Do I need to pull the Power Whip as I'm standing up the frame? Should I pull my lock wires? If Surface Applied, where do I visualize the unit's final mounting place onto the wall? Ask yourself these mundane questions before lifting the systems in place and you will save yourself time, strength, and energy.
 - a. Screw Prep Jamb Tubes from the bottom @ 6", 42", 78" when able.
 - b. Wedge Cedar Shims between the frame and RO to hold it in place, THEN level the unit. Leveling must be done BEFORE anchoring. The jamb tube can easily be jacked up to level out the Head. THEN anchor the top 2 screws.
 - c. Anchor TOP (78") screws first, then BOTTOM (6") screws, then MIDDLE (42") screws. Transom Screws are last in almost all cases.
 - d. Anchor and Level All Bottom Track/Threshold Assemblies including Bottom Pivot(s) and Bushing(s). Double check Measurements from Header to Tracks and ensure plumbness.

Initial Assembly for the GT1175 is complete when the frame, header and Bottom Track(s) are sturdily anchored and level. This frame should be ready for Door Panels at this point.

Often, when the Initial Assembly is complete, the other building trades will come in to do their work (i.e., 120VAC Power, Caulking, Concrete Pouring, Finish Carpentry).

- ▶ IT IS EXTREMELY IMPORTANT that your wiring and wiring harnesses have ZERO bare ends at the end of Initial Assembly.
- ▶ Power, that is applied to door operators and controls that have open ends, does DAMAGE to Auto Door components that can go unnoticed.
- ▶ Cap all your loose ends with Wire Nuts and make certain that terminations at the OPUS are secure.

SECTION 7.4: Secondary Assembly (“Doors Closing”)

The goal of the secondary assembly is to get your Full Open Unit sliding mechanically free of bind and prepare for the final Wiring and Tune-In. Completing the secondary assembly is usually required for a general contractor to lock up a building, provide heating/cooling, and/or allow additional contractors to provide their services. Sidelite(s) and Panel(s) should be completely installed, adjusted to close up tightly, and slide freely (although it is not critical to have the belt attached to the SX panel at this point). All panels should be glazed. Latches and Locks should be working freely as well. Pivots, Mechanical Hardware, Interlocks and guides/stops should be working in coordination to provide a CLOSURE and SECURITY OF THE BUILDING ENVELOPE when the secondary assembly is completed.

1. FIRST assemble and hang SO panels onto Pivots. Be careful with safety beam wiring, and make sure that beam ends and wires are routed properly.
2. THEN assemble and hang SX panel(s), adjusting Top Rollers and Anti-Risers, and gently angling and installing rollers onto the top track.
3. FINALLY, adjust the Anti-Risers and Rollers in concert with the bottom guides to close the SX Panels levelly and without gap at the weathering edge of the Active Style and Latch Jamb.
4. Test your mechanical lock/latch assembly or electric lock inside header and adjust accordingly.
5. Check ALL of the Interlocks.

(If your panels were twisted or slightly out of alignment due to shipping, you can adjust this before the glass is installed by gently prying or bowing the Bottom Rails with your foot in the opposite direction of where the twist is. Glazing the panel, and cross-blocking where necessary, should also help straighten your panel.)

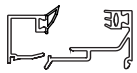
SECTION 7.5: Tool List – Glazing Tools

- ▶ Rubber Mallet
 - ▶ Side-Cutters
 - ▶ Glass Cup
 - ▶ Rubber Gloves and Long Sleeves
 - ▶ 1/8th” or larger Glass blocks
 - ▶ Tape Measure
1. If glazing your unit, it is recommended that you have a helper.
 2. FIRST organize your Glass, double check your measurements, and orient your temper marks all in the same direction, usually facing the pivot side(s).
 3. SECOND, pull your glass stops, trim all the rubber gasketing to the correct size, and organize the stops in a way that you know where they need to be installed. While trimming Rubber Gasketing, add required strips of glass block to keep the Glass from touching any metal of the styles/rails. 3/16ths glass blocks are the ideal size.
 4. NEXT, install your Glass (again, orient your temper marks in the same direction) with a Glass Cup onto the bottom rail and gently push into the window opening, making sure that the glass is even side to side AND top to bottom. DO NOT LET GO OF THE GLASS UNTIL YOU HAVE THE TOP AND BOTTOM GLASS STOPS SECURED!!
 5. FINALLY, secure your glass stops using a Rubber Mallet. Start with the Bottom, then the Top. Then secure the sides.

- ▶ Secondary Assembly for any GT1175 is complete when the unit can be closed and locked securely, activation and safety sources are securely mounted and wired, and the Access Cover(s) are closed.
- ▶ Door Panels will be glazed (if glass required).
- ▶ Generally, after Secondary Assembly is completed, one technician would be able to return to the jobsite at any time to finalize, or commission, the Fixed Sidelite Unit.

SECTION 7.6: **E**nd Processes (“Finalization”, “Commissioning”, “Finish Work”)

1. Finalizing the Automatic Door System starts with identifying if 120VAC Power is present.
2. Power Switches inside the Header and On/Off/HO switches should both be in the “ON” position, lights should be on at the Activation Sources (unless standard push plates), and the Opus Control should be illuminated and ready for Tune-In.
3. A final discussion with the general contractor, building owner or end user should be had to discuss the functionality of the Auto Door System after a Stroke Learn, Tune-In and Cycle Test (Speeds, Access Control, Breakout Function, AAADM Requirements, Daily Safety Check).
4. Once tuned in, the System should be decaled properly, the sweeps should be prepped, assembled, installed, and the final paperwork should be completed and signed off by a contractor or end user.
5. At this time, perform an AAADM Inspection if required to do so by the contractor and/or the end user.
6. It is recommended that pictures are taken after every Final Assembly.
7. This signifies that the Installation has been completed, that the GT1175 meets or exceeds AAADM Requirements (BHMA/ANSI A.156.10) and that the system’s warranty starts.

CHAPTER 8: TRANSOM HELPFUL HINTS:**Header Glass Stops**

1/4" Glass



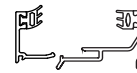
3/8" Glass



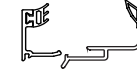
1/2" Glass



5/8" Glass



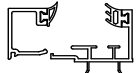
3/4" Glass



7/8" Glass



1" Glass

Jamb Tube and Transom Glass StopsFlush Glaze
Vinyl

1/4" Glass



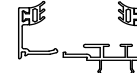
3/8" Glass



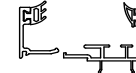
1/2" Glass



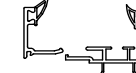
5/8" Glass



3/4" Glass



7/8" Glass



1" Glass

DN 2134

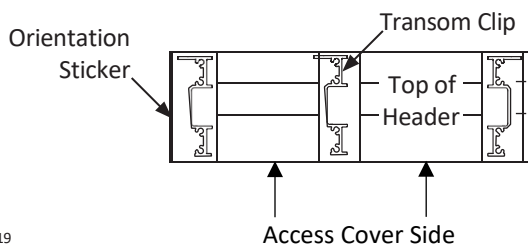
Figure 42: Glass Stops and Vinyl Variations**NOTICE**

Transom Glass Panels can be installed before or after the Frame is secured to the RO.

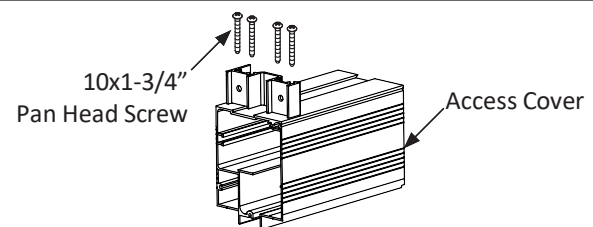
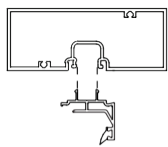
NOTICE

Each Base Glass Stop is precut at the NABCO Factory. Before installing, measure the full width of each Base Glass Stop to determine proper placement.

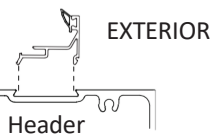
- Obtain Base Glass Stops used for the Header (P/N M-60250 or P/N M-70250).



DN 0419

**Figure 43: Attach Transom Clips****Transom Horizontal**

EXTERIOR

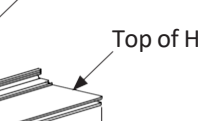


EXTERIOR

Header

Transom Horizontal

EXTERIOR

Transom Vertical

Top of Header

Base Glass Stop

Measure full width of each Base Glass Stop

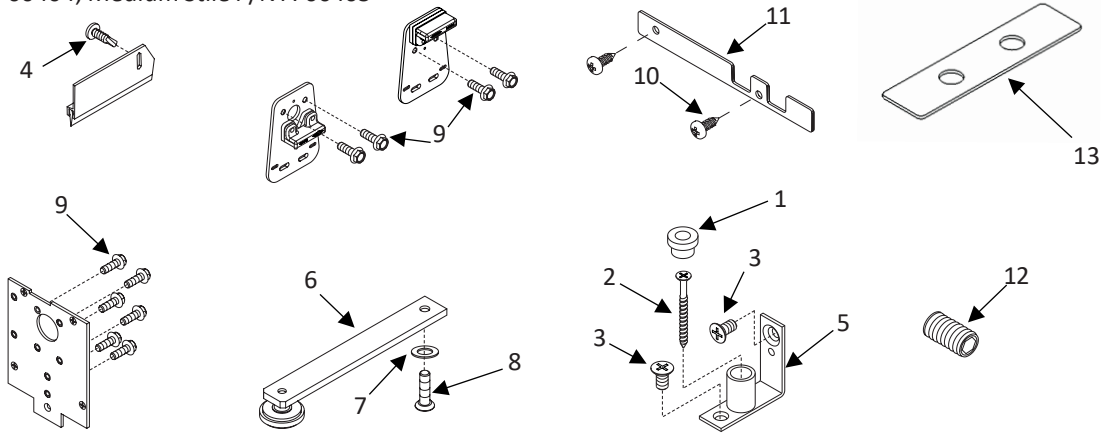
DN 2156

Figure 44: Snap Base Glass Stops into Header and Transom Horizontal

- Insert Base Glass Stops inside the Header Channel. Ensure the Tall Back of each Base Glass Stop faces the Interior side of Door Opening (opposite side of Header Cover).
- Obtain Base Glass Stops used for the Transom Horizontal (P/N M-60298 or P/N M-70298).
- Insert Base Glass Stops inside the Pocket underneath the Transom Horizontal.
- Ensure the Tall Back of each Base Glass Stop faces the Interior side of Door Opening.
- Obtain Base Glass Stops used for Jamb Tubes and Transom Verticals (P/N M-60298 or P/N M-70298).
- Insert Base Glass Stops inside the Pockets of Jamb Tubes and Transom Verticals (if any used).

CHAPTER 9: PARTS LIST and EXPLODED VIEWS**SERVICE PARTS: NON-HANDED KIT; FULL OPEN STANDARD**

Narrow Stile P/N A-00404; Medium Stile P/N A-00405

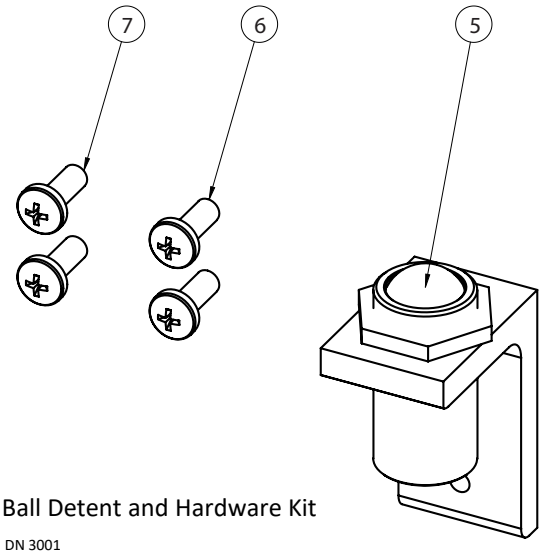
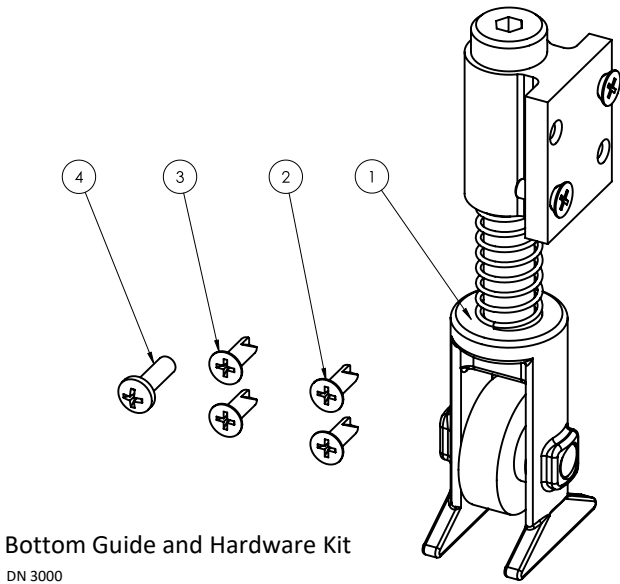


DN 3014

Full Open 1175 Parts Kit: P/N Narrow A-00404; Medium A-00405

Item	Part	Note	Description	QTY	Used To
1	M-00606		BUSHING, BOTTOM PIVOT, SWING PANEL	1	Prevent wear and noise.
2	T00008		FHMS,1/4x2.750L., PHIL, TAPCON, BLUE	1	Secure Bottom Pivot (M-00611) to floor.
3	T-00007		FHMS,1/4-20x0.500L., PHIL, UNDR CUT, F-PT, ZN	2	Secure Bottom Pivot (M-00611) to Track/Threshold AND Secure Bottom Pivot (M-00611) to Pivot Jamb Tube
4	T-00222	Zinc	PHSMS,6x0.500L., PHIL, TEKS, ZINC	8	Secure Brush Holder to Door Panels
	T-00260	Black Zinc	PHSMS,6x0.500L. PHIL, TEKS BLK ZN	8	
5	M-00611		FLOOR PIVOT BRACKET	1	Allow Sidelite to swing Open and Closed
6	A-00060	Narrow	LIMIT ARM, SWING PANEL, ASM.NRW.STILE	1	Allow Sidelite to swing Open and Closed
	A-00406	Medium	LIMIT ARM, SWING PANEL, MED STILE	1	
7	T-00069		WASHER,.255 ID,.900 OD,.125 THK, NYLON	1	Spacer between Header and Limit Arm
8	T-00083		FHMS,1/4-20x1.000L., PHIL, UCUT, VIBRATITE	1	Secure Limit Arm to Bottom of Header
9	T-00010		HHCS,1/4-20x0.750L., WHIZLOCK, ZINC	14	Secure Belt Bracket to Carrier on Top of Slide Door AND Secure Header to Jamb Tubes
10	T-00009		PHSMS,6x0.375L, PHIL, TYPE AB,18-8 SS	2	Secure Threshold End Cap to the Threshold
11	M-00442		END CAP	1	Keeps Bumper material in place
12	T-00261		SHSS,5/16-24x0.500L., CUP PT.	1	Adjust Preload (top of Strike Stile on Slide Door)
13	M-00494		SHIM, INTERLOCK	4	Spacer Between Door and Plastic Interlock

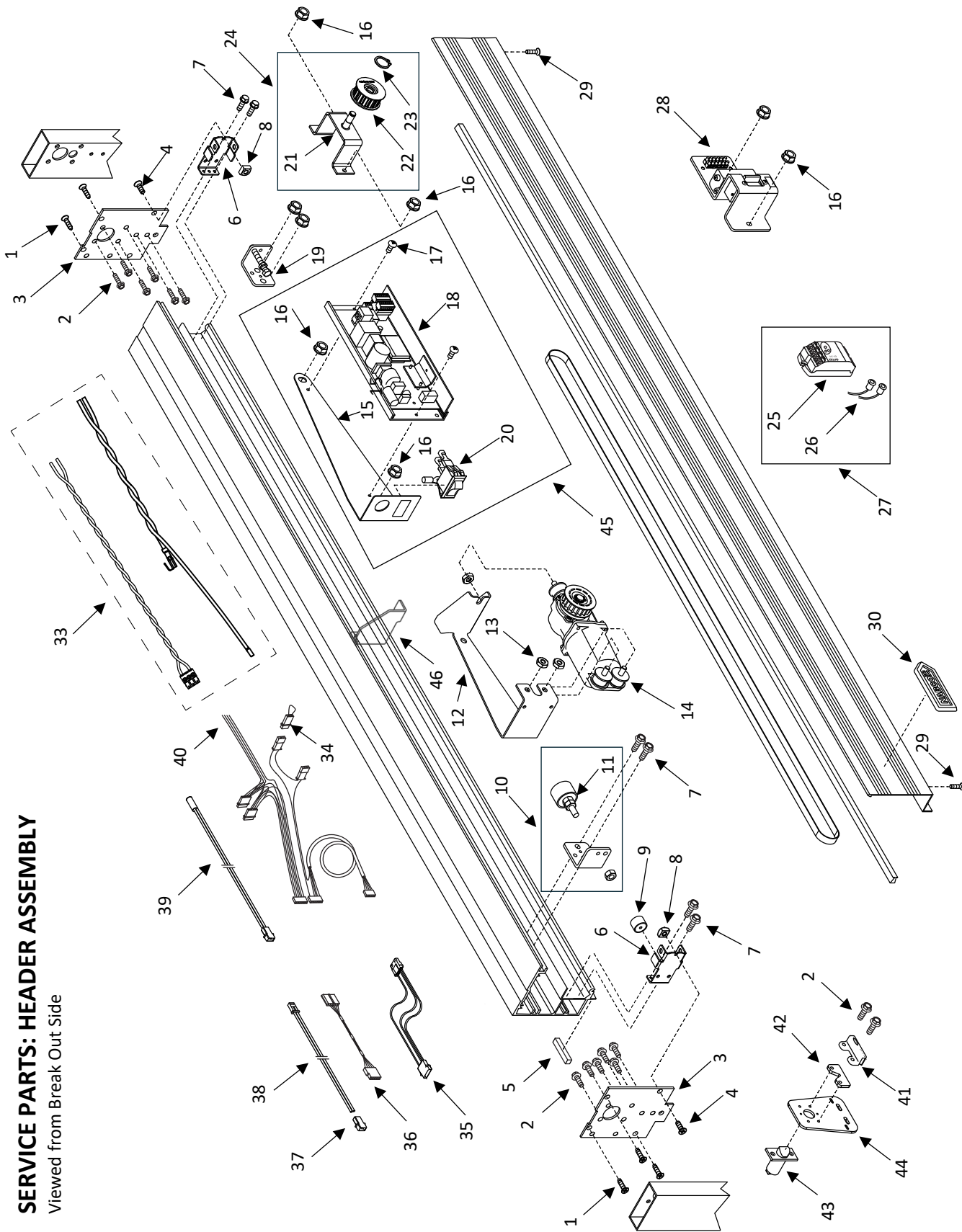
Hardware Kits for: Bottom Guide and Ball Detent



Bottom Guide and Hardware Kit A-01595					
Item	Part	Note	Description	QTY	Used To
1	A-00063		FULL OPEN BOTTOM GUIDE	1	Bottom Guide
2	T-00176	Zinc	FHMS, 10-32x0.500L., PHIL, UNDERCUT, 23-PT	2	Secure Bottom Guide
3	T-00183	Black Zinc	FHMS, 10-32x0.500L., PHIL, UNDERCUT, 23-PT	2	Secure Bottom Guide
4	T-00078	Zinc	PHMS, 10-32x0.625L., PHIL	1	
Ball Detent and Hardware Kit A-01596					
5	A-00057		ASM, BALL DETENT	1	Top and Bottom Release
6	T-00027	Zinc	PHMS, 10-32x0.500L., PHIL	2	Secure Ball Detent
7	T-00051	Black Zinc	PHMS, 10-32x0.500L., PHIL	2	Secure Ball Detent

DN 2265

SERVICE PARTS: HEADER ASSEMBLY
Viewed from Break Out Side



Header Assembly

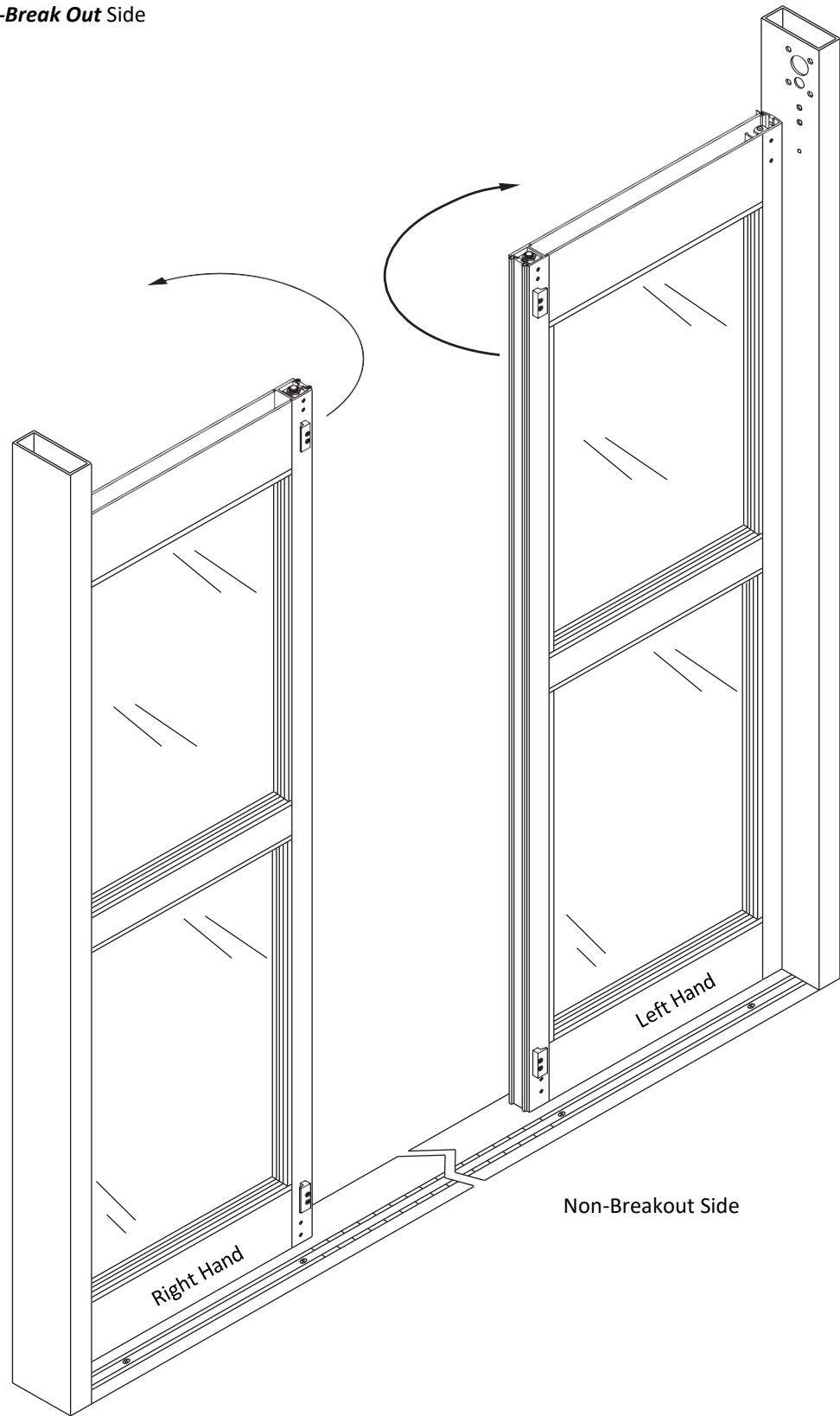
Item	Part	Finish/Sizes/Notes	Description
1	T-00061	Zinc	FHMS,1/4-20x1.000L., PHIL, TRI-LOBE, ZINC
	T-00022	Black Zinc	FHMS,1/4-20x1.000L., PHIL, TRI-LOBE, BLK ZN
2	T-00010	In A-00404 and A-00405 Part Bags	HHCS,1/4-20x0.750L., WHIZLOCK, ZINC
3	M-60582	RH/Clear	END CAP, ONE PIECE HEADER, RH,204
	M-70582	RH/Dark Bronze	END CAP, ONE PIECE HEADER, RH,313
	M-60574	LH/Clear	END CAP, ONE PIECE HEADER, LH,204
	M-70574	LH/Dark Bronze	END CAP, ONE PIECE HEADER, LH,313
4	T-00015	Zinc	FHMS,1/4-20x0.750L., PHIL, ZINC
	T-00017	Black Zinc	FHMS,1/4-20x0.750L., PHIL, BLK ZN
5	M-00281		FOAM WEATHERSTRIPPING ADHESIVE BACKED
6	M-00411	Without Stud	BRACKET, END CAP, HEADER
	M-00411-01	With Stud	BRACKET, END CAP, HEADER, W/ STUD
7	T-00119		HHCS,1/4-20x0.750L., WASH HD. TRILOBE, ZINC
8	T-00058		NUT, SQ.,1/4-20, ZINC
9	M-00530		BUMPER, RUBBER, 1/4"-20 THREAD
10	A-00128		DOORSTOP, ASM.
11	A-00087		BUMPER, HEADER DOORSTOP
12	M-02035		BRACKET, MOUNTING, VS150
13	T-00495		NUT, WHIZLOCK, M8-1.25, ZINC
14	V-00914		OPERATOR, VS-150
15	M-02041		BRACKET, OPUS,1175
16	T-00025 */**		NUT, WHIZLOCK,3/8-16, ZINC
17	T-00420		PHMS,8-32x0.375L, PHIL, SWAGEFORM, ZINC
18	M-01546		CONTROLLER, OPUS
19	A-00078		BELT, DRIVE, IDLER SPROCKET, TENSIONER
20	M-02042		HARNESS, POWER,1175, OPUS
21	M-02036		BRACKET, IDLER PULLEY, VS-150
22	V-00915		PULLEY, IDLER, VS-150
23	T-00509		RING, RETAINING, EXT,12mm SHAFT
24	A-01419		ASM, IDLER, VS-150
25	A-00129		AMPLIFIER, PHOTOEYE, OPTEX ASSY
26	V-00073		HOLDING BEAM, PHOTO ELECTRIC, W/ EXT CABLE
27	A-00709		HOLDING BEAM SYSTEM
28	A-00341 *	Fail Safe	LOCK, ELECTRIC, FAIL SAFE,1175
	A-00342 **	Fail Secure	LOCK, ELECTRIC, FAIL SECURE,1175
29	T-00496	Zinc	PHMS,10-24X0.625L., PHIL, SWAGEFORM, ZINC
	T-00497	Black Zinc	PHMS,10-24X0.625L., PHIL, SWAGEFORM, BLK ZN
30	C-00067		NAMEPLATE, ADHESIVE BACKED
31	M-00688		PILE WEATHERING .45 TALL W/ ADHESIVE
32	V-00917		BELT, TIMING, S8M X 12mm WIDE
33	M-02044 */**		HARNESS, ELECTRIC LOCK,1175, OPUS (INCLUDES TWO CABLE ASSEMBLIES)

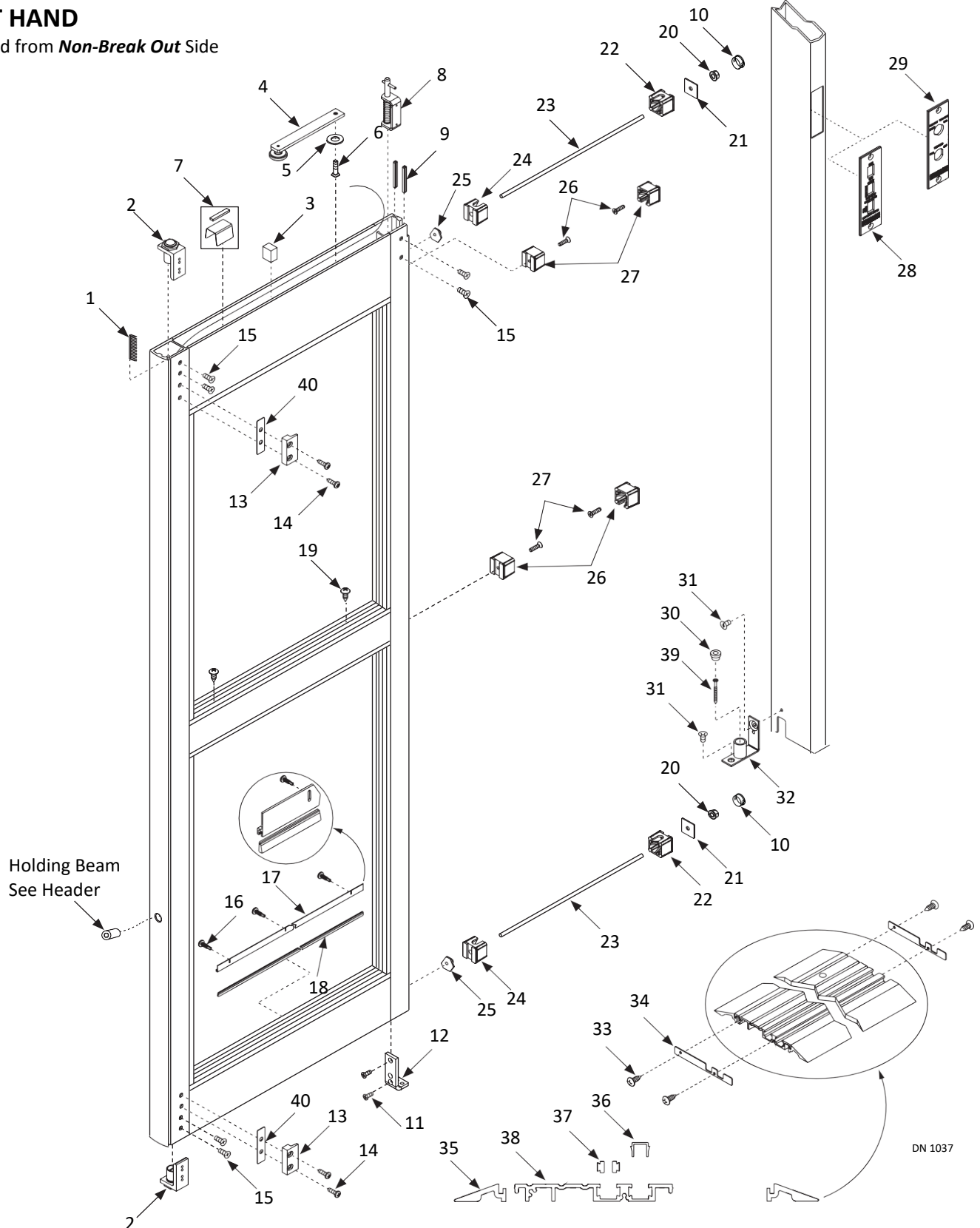
Header Assembly

Item	Part	Finish/Sizes/Notes	Description
34	A-00385		BREAKOUT JUMPER
35	M-01168	24 inches	HARNESS, EXTENSION, 1175 SENSOR, 24"
	M-02064	38 inches	HARNESS, EXTENSION, 1175 SENSOR, 38"
	M-01156	48 inches	HARNESS, EXTENSION, 1175 SENSOR, 48"
36	A-00967	36 inches	HARNESS; EXTENSION; ROCKER SWITCH; 36IN.
	A-00968	72 inches	HARNESS; EXTENSION; ROCKER SWITCH; 72IN.
	A-00969	180 inches	HARNESS; EXTENSION; ROCKER SWITCH; 180IN.
37	V-00034		HOUSING, 2 POS, FOR MATE-N-LOCK PINS
38	M-01070	15 inches	HARNESS, BREAKOUT, 1175, 15
	M-01136	40 inches	HARNESS, BREAKOUT, 1175, 40
	M-01073	90 inches	HARNESS, BREAK OUT SWITCH, 90IN EXTENTION
39	A-00758		SWITCHBREAKOUT
40	M-02043		HARNESS, MAIN, 1175, OPUS
41	V-00916		CLIP, BELT, " S8M" PROFILE
42	M-02039		SPACER, BELT CLIP, VS-150
43	M-02038 */**		LATCHBOLT, HEAVY DUTY, MODIFIED
44	A-00264		BRACKET, BELT CLIP, VS-150
45	A-01418		ASM, OPUS CONTROLLER, 1175
46	M-00522		BRKT, CENTER SUPPORT, 1175 HEADER (FOR UNITS 144" OR LARGER)
47	A-00688 *		KIT, RETROFIT, ELECTRIC LOCK, 1175, U301, OPUS, FAIL SAFE (ITEM #'S: 16*, 28*, 33* AND 43*)
48	A-00689 **		KIT, RETROFIT, ELECTRIC LOCK, 1175, U301, OPUS, FAIL SECURE (ITEM #'S: 16**, 28**, 33** AND 43**)

SERVICE PARTS: FULL OPEN SIDELITE

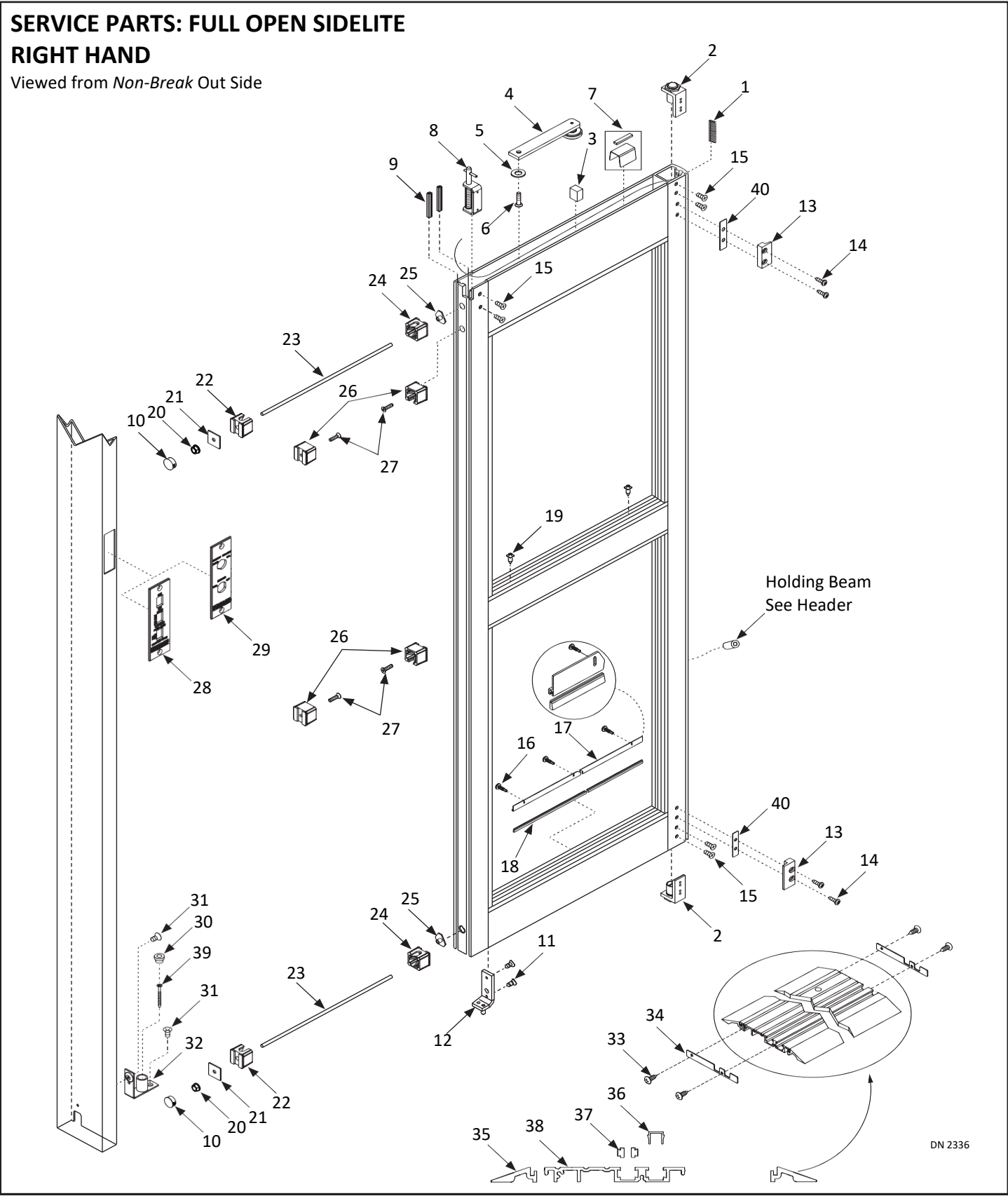
Viewed from *Non-Break Out* Side



SERVICE PARTS: FULL OPEN SIDELITE**LEFT HAND**Viewed from *Non-Break Out* Side

SERVICE PARTS: FULL OPEN SIDELITE
RIGHT HAND

Viewed from Non-Break Out Side



Full Open Sidelite

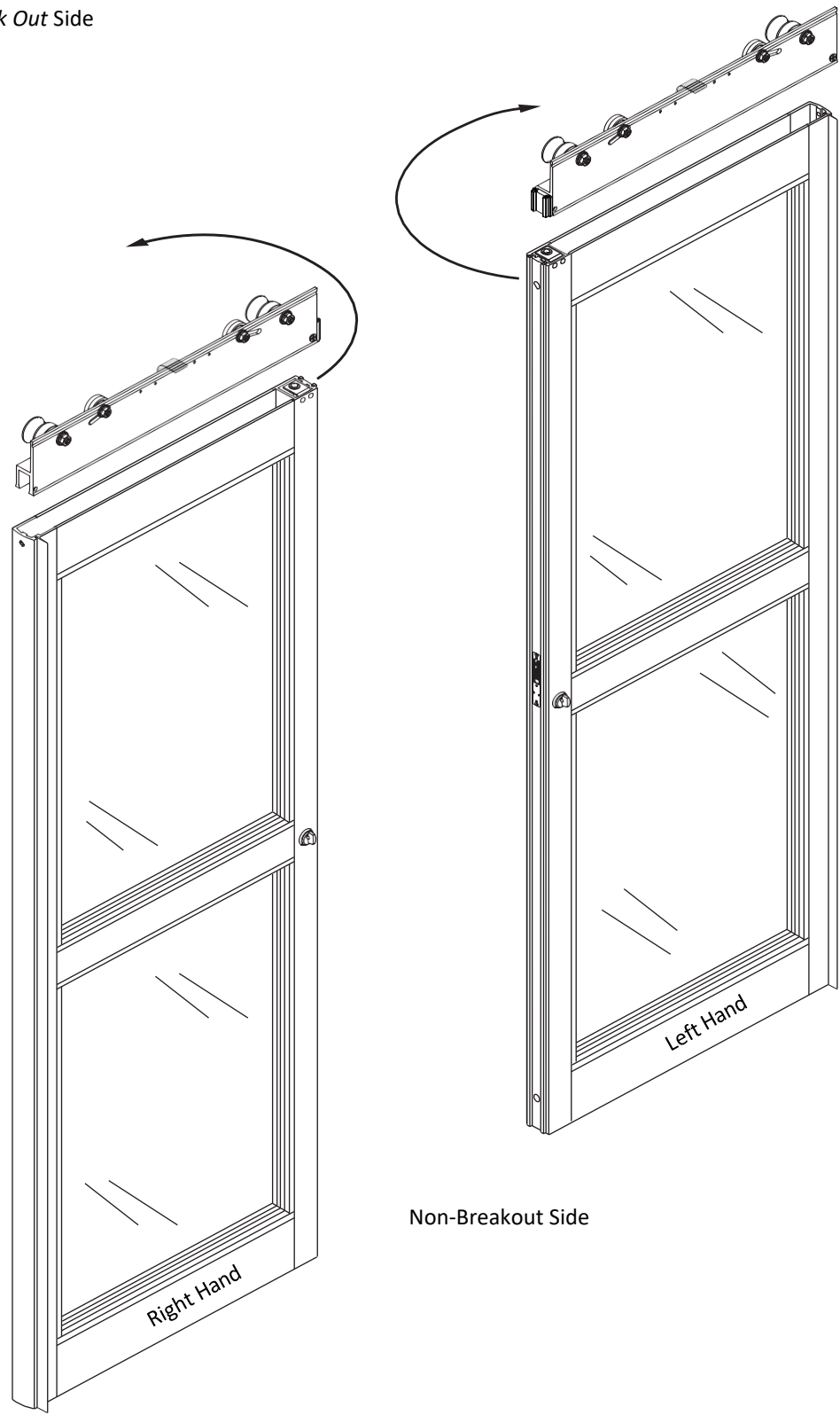
Item	Part	Finish/Size/Notes	Description
1	M-00695		BRUSH, NYLON, .56 L
2	A-00057		BALL, DETENT, ASSEMBLY
3	A-00166		STOP BLOCK ASSY, SWING PANEL LIMIT ARM
4	A-00060	Narrow, In Part Bag A-00404	LIMIT ARM, SWING PANEL, ASM.NAR.STILE
	A-00406	Medium, In Part Bag A-00405	LIMIT ARM, SWING PANEL, MED STILE
5	T-00069	In Parts Bag A-00404 and A-00405	WASHER, 255 ID, 900 OD, 125 THK, NYLON
6	T-00083	In Parts Bag A-00404 and A-00405	FHMS, 1/4-20x1.000L, PHIL, UCUT, VIBRATITE
7	A-00149		ASM, MAGNET, BREAKOUT
8	A-00029		ASM, TOP PIVOT, 1175 SWING PANEL
9	M-00687		WEATHERING, PILE .57 TALL
10	V-00720		PLUG, HOLE, 13/16 DOME
11	T-00016		FHMS, 1/4-20x0.438L, PHIL, UNDERCUT, ZINC
12	M-00745	LH	PIVOT, BOTTOM, SWING PANEL, LH
	M-00744	RH	PIVOT, BOTTOM, SWING PANEL, RH
13	M-00440		INTERLOCK, PLASTIC, 1175
14	T-00078		PHMS, 10-32x0.625L, PHIL, ZINC
15	T-00027	Zinc	PHMS, 10-32x0.500L, PHIL, ZINC
	T-00051	Black Zinc	PHMS, 10-32x0.500L, PHIL, BLK ZN
16	T-00222	Zinc, In Parts Bag A-00404 and A-00405	PHSMS, 6x0.500L, PHIL, TEKS, ZINC
	T-00260	Black Zinc, In Parts Bag A-00404 and A-00405	PHSMS, 6x0.500L, PHIL, TEKS, BLK ZN
17	M-60278	Clear	HOLDER, WEATHERING BRUSH, 204, EXTRU
	M-70278	Dark Bronze	HOLDER, WEATHERING BRUSH, 313, EXTRU
18	M-00274		BRUSH, NYLON, 1" STEPPED
19	T-00098		PHSMS, 10x0.563L, PHIL, TYPE A
20	T-00025		NUT, WHIZLOCK, 3/8-16, ZINC
21	M-00422		PLATE, TIE ROD
22	M-00461		CLIP, MUNTIN, .386 HOLE
23	M-00272		3/8-16 THREADED ROD
24	M-00460		CLIP, MUNTIN, .500 HOLE
25	M-00416		T-NUT, 3/8"-16, TIE ROD
26	M-00462		CLIP, MUNTIN, .261 HOLE
27	T-00061		FHMS, 1/4-20x1.000L., PHIL, TRI-LOBE, ZINC
28	M-00428		SWITCH MODULE, 3 ROCKER, NABCO
29	M-01144		SWITCH, KEY - NABCO
30	M-00606	In Parts Bag A-00404 and A-00405	BUSHING, BOTTOM PIVOT, SWING PANEL
31	T-00007	In Parts Bag A-00404 and A-00405	FHMS, 1/4-20x0.500L., PHIL, UNDRUT, F-PT, ZN
32	M-00611	In Parts Bag A-00404 and A-00405	FLOOR PIVOT BRACKET
33	T-00009	In Parts Bag A-00404 and A-00405	PHSMS, 6x0.375L, PHIL, TYPE AB, 18-8 SS
34	M-00442	In Parts Bag A-00404 and A-00405	END CAP

Full Open Sidelite

Item	Part	Finish/Size/Notes	Description
35	M-60260		RAMP, THRESHOLD EXTENSION, 204, EXTRU
36	M-00295		THRESHOLD, FILLER
37	M-00291		THRESHOLD, BUMPER
38	M-60258		THRESHOLD, 4-1/2 X 1/2,204, EXTRU
39	T-00008	In Parts Bag A-00404 and A-00405	FHSMS,1/4x2.750L., PHIL, TAPCON, BLUE
40	M-00494	In Parts Bag A-00404 and A-00405	SHIM, INTERLOCK

SERVICE PARTS: SLIDE DOOR FOR FULL OPEN

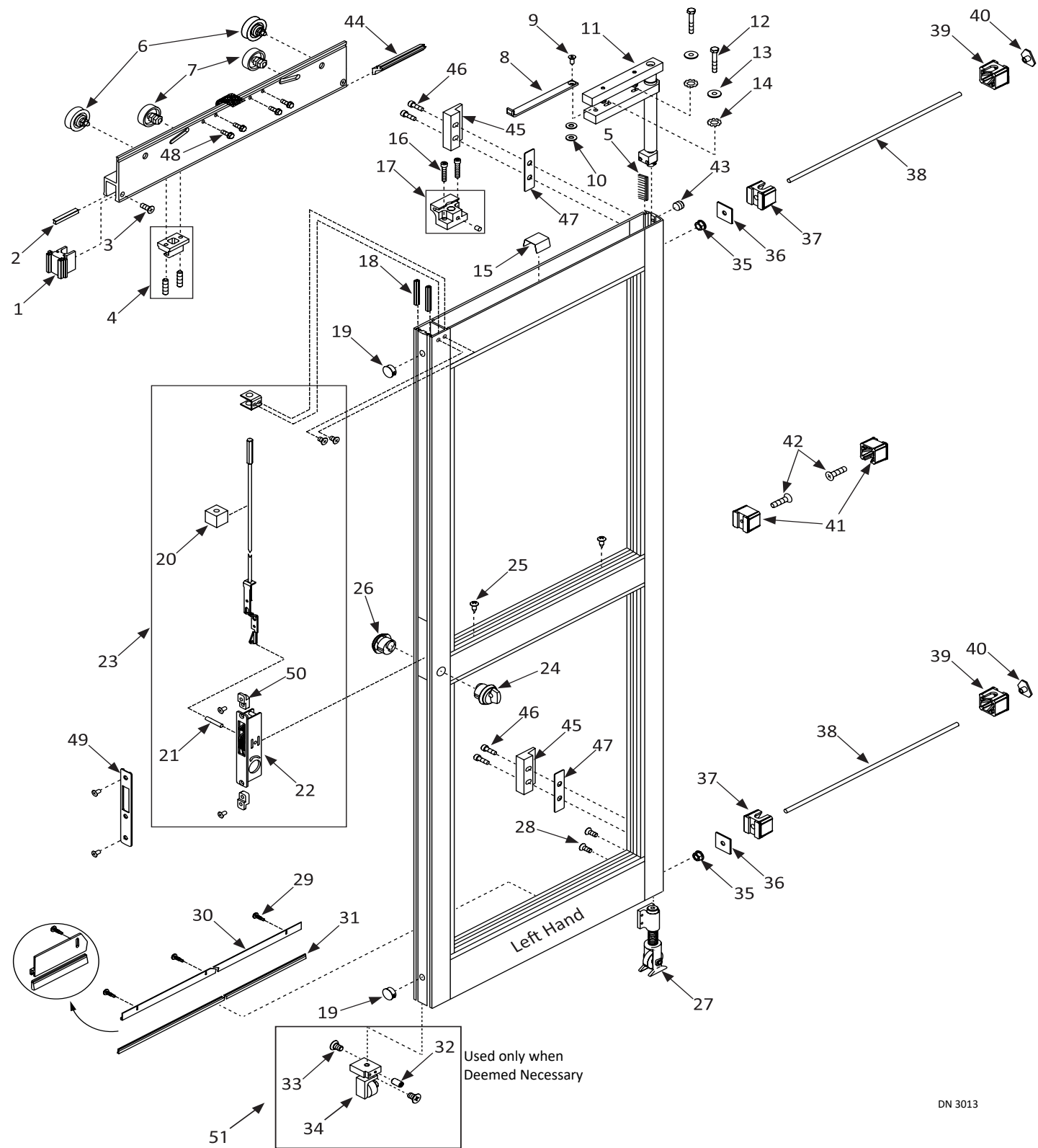
Viewed from Non-Break Out Side



DN 1038

SERVICE PARTS: SLIDE DOOR FOR FULL OPEN
LEFT HAND

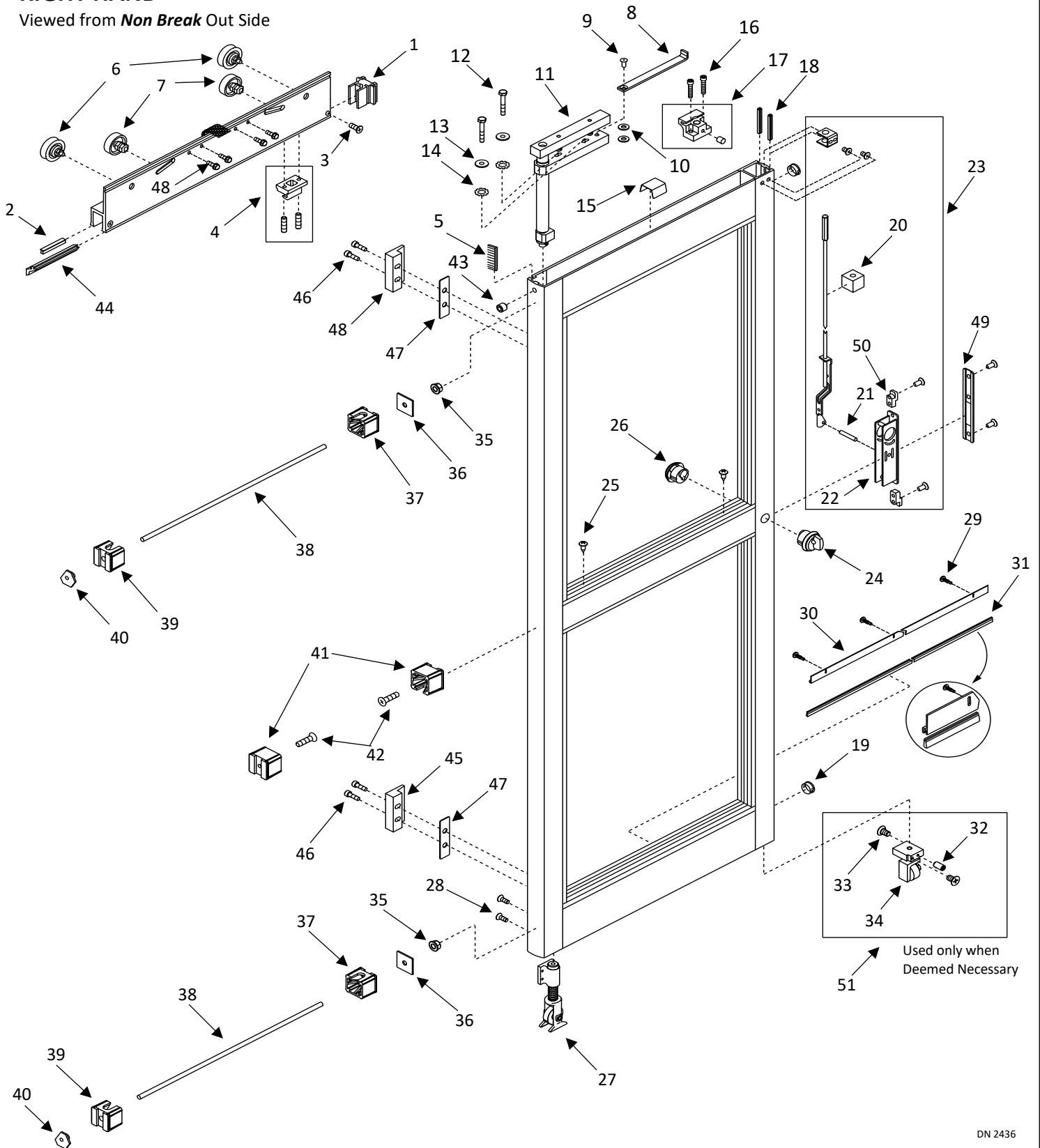
Viewed from Non-Break Out Side



DN 3013

SERVICE PARTS: SLIDE DOOR FOR FULL OPEN RIGHT HAND

Viewed from **Non Break Out Side**



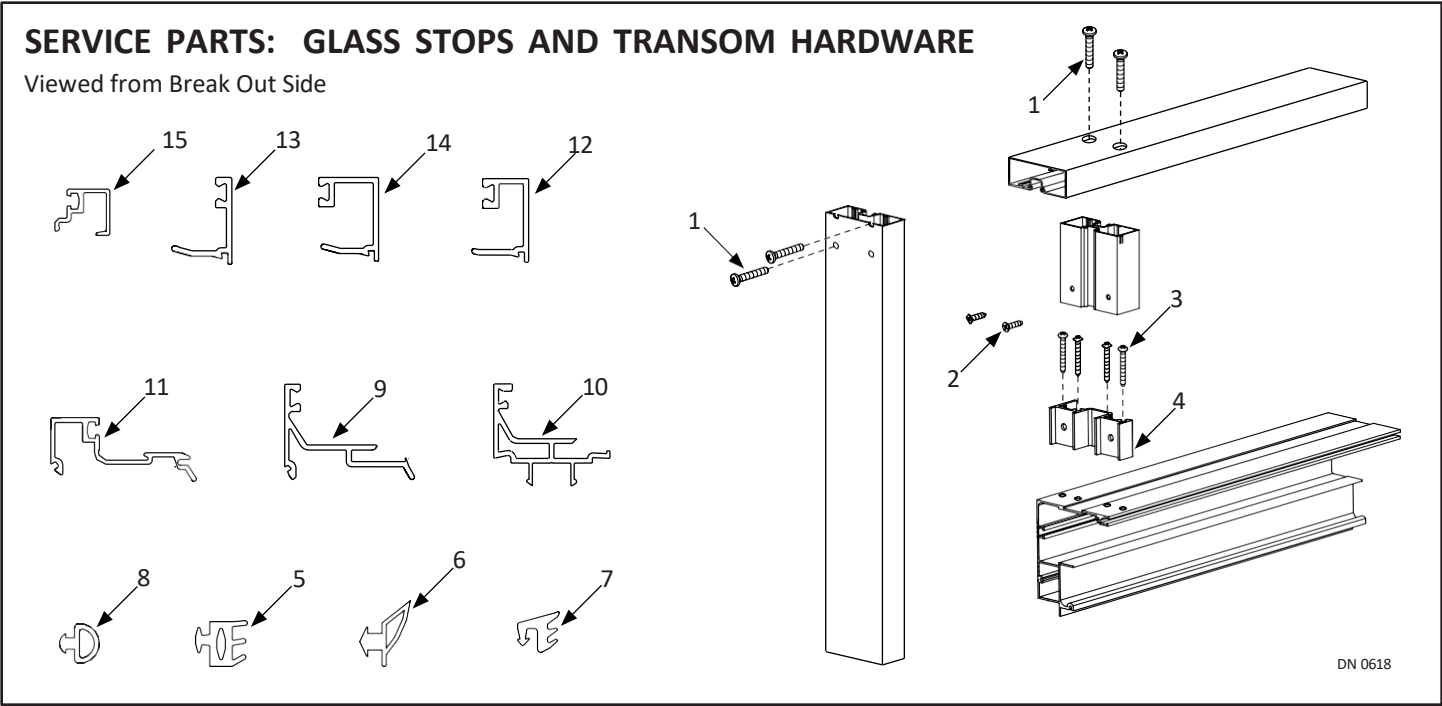
DN 2436

Slide Door For Full Open

Item	Part	Finish/Sizes/Notes	Description
1	A-60133	Clear	CARRIER END CAP,204
	A-70133	Dark Bronze	CARRIER END CAP,313
2	M-00690		WEATHER, PILE .2
3	T-00006	Zinc	FHSMS,10x0.750L., PHIL, ZINC
	T-00005	Black Zinc	FHSMS, 10x0.750L, PHIL, BLK ZN
4	A-00071		PANIC CATCH, UPPER, ASM.
5	M-00695		BRUSH, NYLON, .56 L
6	A-00162		ROLLER, HANGER, ASSEMBLY, 1175
7	A-00163		AXLE ASSEMBLY-ANTI RISE ROLLER
8	A-00060	Narrow Stile	LIMIT ARM, SWING PANEL, ASM.NRW.STILE
	A-00406	Medium Stile	LIMIT ARM, SWING PANEL, MED STILE
9	T-00093		FHCS,7/16-14x1.000L., ZINC, W/ NYLON PATCH
10	T-00484		WASHER,.469 ID,.922 OD,.065 THK, ZINC
11	A-00092		CARRIER, PIVOT, NARROW STILE
	A-00165		CARRIER, PIVOT ASSY, MED STILE
	A-00168		CARRIER PIVOT ASM. NRW PANEL & STILE
	A-00172		CARRIER, PIVOT, ASM., NRW.PNL - MED.STILE
12	T-00028		HHCS,1/4-20x1.750L., GR5, ZINC
13	T-00054		WASHER,.281 ID,.625 OD,.065 THK, ZINC
14	T-00087		WASHER, LOCK, EXT, 1/4 ID, ZINC
15	M-00653		BRACKET, LIMIT ARM SUPPORT
16	T-00037		SHCS,1/4-20x1.250L., ZINC
17	A-00069		PANIC CATCH, BOTTOM
18	M-00689		WEATHERING, PILE .45
19	V-00720		PLUG, HOLE, 13/16 DOME
20	M-00974		BLOCK, FOAM
21	T-00132		"PIN, ROLL,5/32D X 0.875L."
22	V-00006		LOCK, CR LAURENCE #DL2130A
23	A-00802		"LOCK, W/ ROD, CRL"
24	V-00116	Silver	CYLINDER, LOCK, THUMBTURN, 204
	V-70116	Bronze	CYLINDER, LOCK, THUMBTURN, 313
25	T-00098		PHSMS,10x0.563L., PHIL, TYPE A
26	V-00123	Silver	CYLINDER, LOCK, KEYED, 204
	V-70123	Bronze	CYLINDER, LOCK, KEYED,313
27	A-00063		ROLLER GUIDE, BOTTOM, ASM.
28	T-00027		PHMS,10-32x0.500L., PHIL.ZINC
29	T-00222	Zinc	PHSMS,6x0.500L., PHIL, TEKS, ZINC
	T-00260	Black Zinc	PHSMS,6x0.500L. PHIL, TEKS BLK ZN
30	M-60278	Clear	HOLDER, WEATHERING BRUSH,204, EXTRU
	M-70278	Dark Bronze	HOLDER, WEATHERING BRUSH,313, EXTRU
31	M-00274		BRUSH, NYLON, 1" STEPPED
32	T-00105		SHSS,8-32x0.313L., CUP PT.
33	T-00016	Zinc	FHMS,1/4-20x0.438L., PHIL, UNDERCUT, ZINC
	T-00108	Black Oxide	FHMS, 1/4-20x0.438L., PHIL, UNDERCUT, BLK ZN
34	A-00198	.090 Narrow Stile	NOSE CASTER ASSY, NAR
	A-00207	.125 Medium Stile	NOSE CASTER ASSY, MED
35	T-00025	Zinc	NUT, WHIZLOCK, 3/8-16, ZINC
36	M-00422		PLATE, TIE ROD
37	M-00461		CLIP, MUNTIN, .386 HOLE
38	M-00272		3/8-16 THREADED ROD

Slide Door For Full Open

Item	Part	Finish/Sizes/Notes	Description
39	M-00460		CLIP, MUNTIN, .500 HOLE
40	M-00416		T-NUT, 3/8"-16, TIE ROD
41	M-00462		CLIP, MUNTIN, .261 HOLE
42	T-00061		FHMS,1/4-20x1.000L., PHIL, TRI-LOBE, ZINC
43	T-00261	In Parts Bag A-00404 and A-00405	SHSS,5/16-24x0.500L., CUP PT.
44	M-60288	Clear	INTERFACE LEG,204, EXTRU
	M-70288	Dark Bronze	INTERFACE LEG,313, EXTRU
45	M-00440		INTERLOCK, PLASTIC, 1175
46	T-00078		PHMS,10-32x0.625L., PHIL, ZINC
47	M-00494		SHIM, INTERLOCK
48	T-00010		HHCS,1/4-20x0.750L., WHIZLOCK, ZINC
49	V-00014	Clear	COVER, MS LOCK, W/ CUTOUT, 204
	V-70014	Dark Bronze	COVER, MS LOCK, W/ CUTOUT, 313
50	M-00471		BLOCK, MOUNTING, LOCK COVER, MS LOCK
51	A-01593		KIT, NOSE CASTER AND HARDWARE, NAR
	A-01594		KIT, NOSE CASTER AND HARDWARE, MED



Glass Stops and Transom Hardware

Item	Part	Finish/Sizes /Notes	Description
1	T-00157		"PHSMS, 8x1.000L., PHIL, TYPE B"
2	T-00061	Zinc	FHMS, 1/4-20x1.000L., PHIL, TRI-LOBE, ZINC
	T-00022	Black Zinc	FHMS, 1/4-20x1.000L., PHIL, TRI-LOBE, BLK ZINC
3	T-00320		PHSMS, #10 – 1.750L.
4	M-00799		TRANSOM CLIP
TO ENSURE PROPER FIT: PLEASE CONTACT CUSTOMER SERVICE BEFORE ORDERING VINYL			
5	M-00263	Three Prong	VINYL GLASS STOP THREE PRONG
6	M-00284	Tear Drop	VINYL GLASS STOP TEAR DROP
7	M-00279	Flush Glaze	VINYL FLUSH GLAZE
8	M-00339	Used for Door	VINYL, GLASS STOP
TO ENSURE PROPER FIT: PLEASE CONTACT CUSTOMER SERVICE BEFORE ORDERING GLASS STOPS			
9	M-60250	Clear, Used for Door or Header	GLASS STOP, BASE, 204, EXTRU
	M-70250	Dark Bronze, Used for Door or Header	GLASS STOP, BASE,313, EXTRU
10	M-60298	Clear, Used for Transom or Jamb Tube	GLASS STOP, BASE, TRANSOM JAMB, 204, EXTRU
	M-70298	Dark Bronze, Used for Transom or Jamb Tube	GLASS STOP, BASE, TRANSOM JAMB, 313, EXTRU
11	M-60338	Clear, Used for Door	GLASS STOP, BASE, SNAP IN, 204, EXTRU
	M-70338	Dark Bronze, Used for Door	GLASS STOP, BASE, SNAP IN, 313, EXTRU
12	M-60265	Clear, Used for Door or Header	GLASS STOP, 1" TALL, SNAP IN, 204, EXTRU
	M-70265	Dark Bronze, Used for Door or Header	GLASS STOP, 1" TALL, SNAP, 313, EXTRU
13	M-60268	Clear, Used for Door or Header	GLASS STOP, SNAP IN, 1" TALL, 204, EXTRU
	M-70268	Dark Bronze, Used for Door or Header	GLASS STOP, SNAP IN 1" TALL, 313, EXTUR
14	M-60333	Clear, Used for Door or Header	GLASS STOP, TOP, 1" TALL, 204, EXTRU
	M-70333	Dark Bronze, Used for Door or Header	GLASS STOP, TOP, 1" TALL, 313, EXTRU
15	M-60255	Clear, Used for Door	GLASS STOP, BASE, 204, EXTRU
	M-70255	Dark Bronze, Used for Door	GLASS STOP, BASE, 313, EXTRU