Stanley Access Technologies

Quick-Reference Guide

STANLEY

MAKE SOMETHING GREAT™

Dura-Glide™ Diamond 2000/3000-Series

Dura-Guard™ Heavy Duty 2000/3000-Series

Installation Instructions

Quick-Reference Guide

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Stanley Access Technologies

Quick-Reference Guide

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1. PURPOSE

1.1 Discussion

This manual provides installation instructions for the Stanley Dura-Glide Diamond 2000- and 3000-Series and Stanley Dura-Guard Heavy Duty 2000- and 3000-Series sliding door packages.

1.2 Applicability

This manual is applicable to the Stanley Dura-Glide Diamond 2000- and 3000-Series and the Stanley Dura-Guard Heavy Duty 2000- and 3000-Series automatic sliding door systems. Transom installation instructions are provided in this manual. Instructions for installing optional accessories such as access control locks, access control consoles, key switches, door alarm contacts, push plates, and door position switches are provided in separate installation manuals.

This manual does not cover components installed/manufactured by other companies.

1.3 **Features and Functions**

1.3.1 The Dura-Glide Diamond 2000- and 3000-Series and the Dura-Guard Heavy Duty 2000- and 3000-Series automatic sliding door systems include the following features and functions:

- Heavy duty control and extra motor gearbox (bi-parting doors only)
- Optex® active infrared presence sensors and SU-100® microwave motion sensors for activation
- Dual doorway holding beams
- Stanguard™ threshold protection system (optional)
- Rotary switch for reduced-opening, enter, and automatic/close/open functions
- Welded door panels (stile-to-rail joints)
- Top and bottom ball detents
- Adjustable top pivot
- Eight-laminate hook lock and armored strike
- Wind-resistant dampers in breakout panels
- Bottom rail kick plates
- Energy-absorbing crash bars

2. PREREQUISITES

2.1 Special Items Required for Installation

2.1.1 SU-100® Tune-In Remote Control

3. INSTALLATION INSTRUCTIONS

3.1 **Checking the Rough Opening**

3.1.1 CHECK the floor across the entire opening.

3.1.2 IF applicable, CHECK threshold recesses.

NOTE

Opening width should be package width plus ½ inch ($^1/_4$ inch each side for shim and caulk clearance). This clearance can be as small as $^1/_8$ inch for a tight appearance with the aluminum storefront construction.

3.1.3 CHECK opening width.

3.1.4 SWEEP floor.

3.2 Installing the Sensors on the Header

NOTE

For ease of installation, the sensors should be installed onto the header *before* installing the header and jamb assembly in the opening.

3.2.1 PLACE header on a flat surface.

3.2.2 Refer to applicable installation instructions, and INSTALL SU-100® and Optex® sensor.

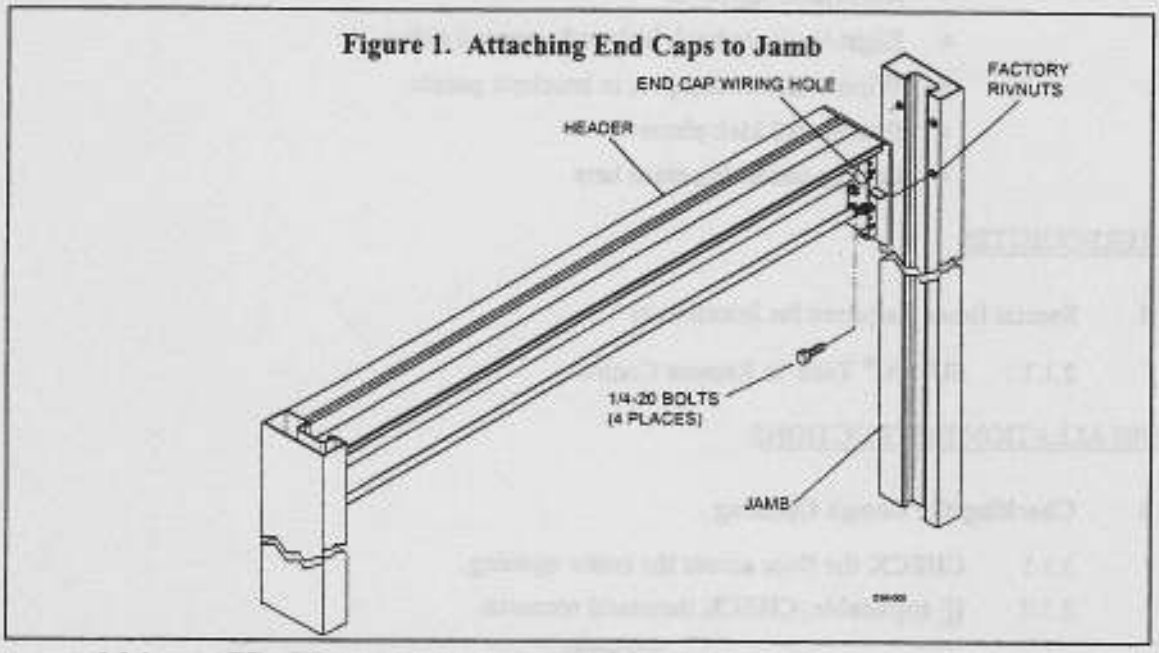
3.2.3 IF applicable, INSTALL optional Stanguard® sensor.

3.3 Attaching the Jambs to the Header (Door Without Transom)

3.3.1 REMOVE end caps from header and place on corresponding jamb.

3.3.2 Refer To Figure 1, and, using four ¼ -20 bolts and lockwashers, ATTACH end cap to factory-mounted rivnuts in jamb.

Figure 1. Attaching End Caps to Jamb



3.3.3 ATTACH jamb/end cap assemblies to header.

3.3.4 IF installing a 3000-series package, ROUTE a pull string through header and 1¼-inch predrilled hole in jamb to permit future installation of doorway holding beam wiring.

3.3.5 ROUTE pull string through header to permit future installation of rotary switch and power switch wiring.

3.4 Attaching the Jambs to the Header (Door With Transom)

3.4.1 DETERMINE required jamb height as follows:

a. CALCULATE change to rough opening height dimension caused by finished ceiling material (stucco, sheeetrock, suspended ceiling, etc.) and finished flooring material (tile, masonry, carpeting, etc.).

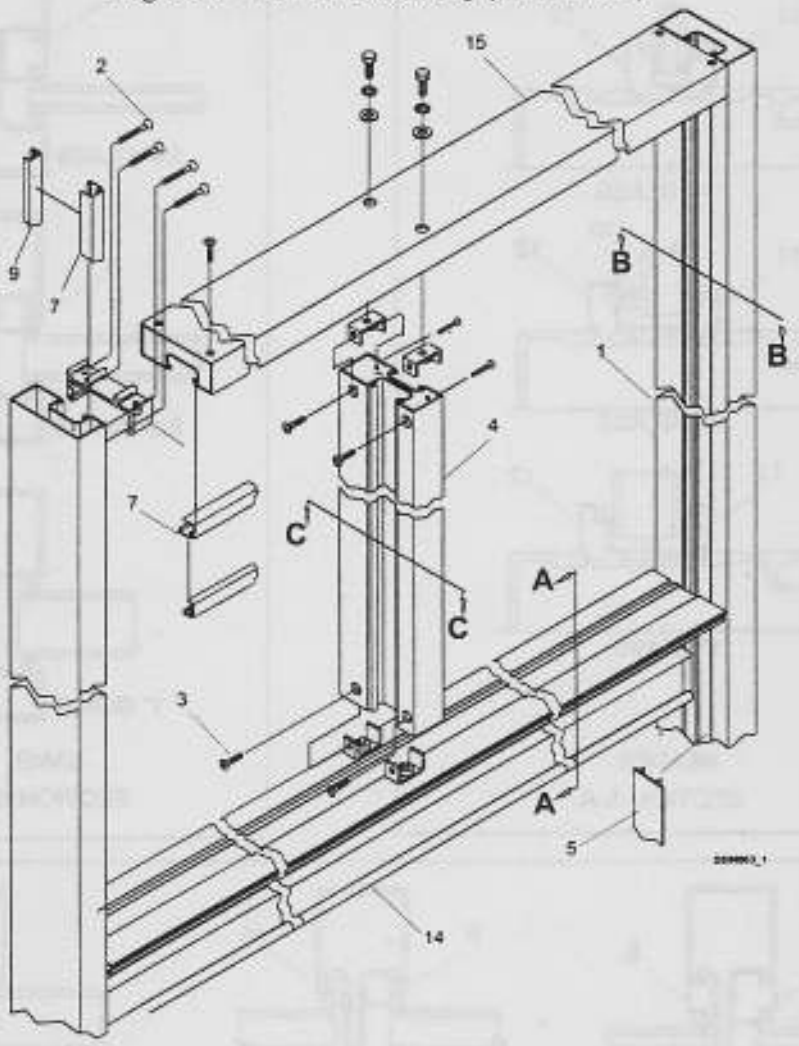
b. SUBTRACT ¼ inch from the calculated dimension to allow for top caulk joint.

c. IF a recessed threshold/track will be used, ADD ½ inch to dimension to allow for threshold/track height.

3.4.2 CUT jambs to required length, and SAVE jamb cutting for future use as a template.

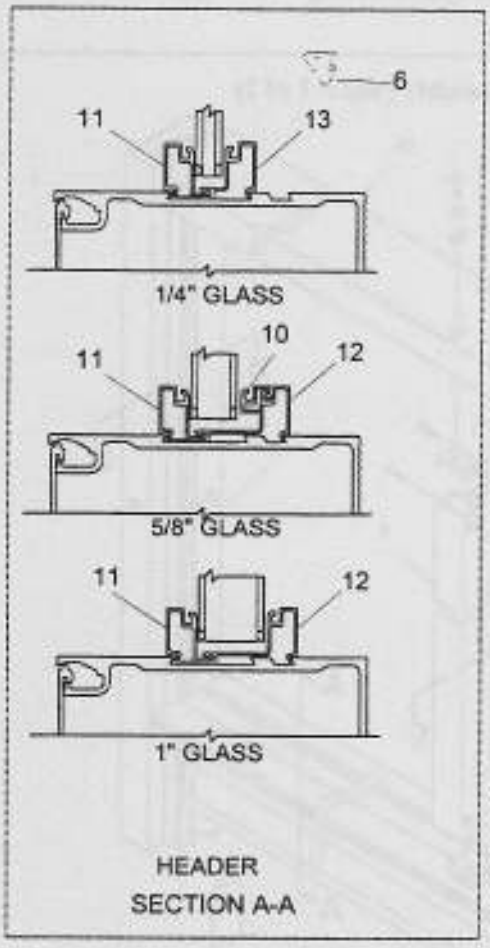
3.4.3 Refer To Figure 2, and, using top of jamb cutting as a template, DRILL four holes into upper inside of each jamb.

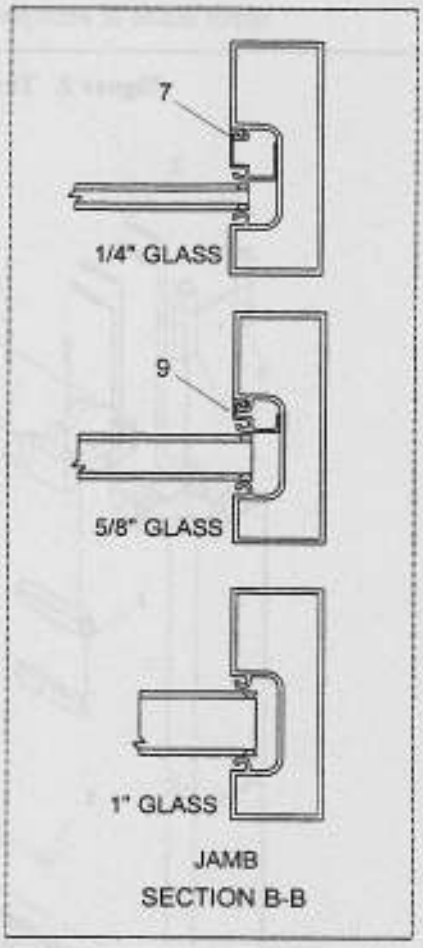
Figure 2. Transom Assembly (Sheet 1 of 2)

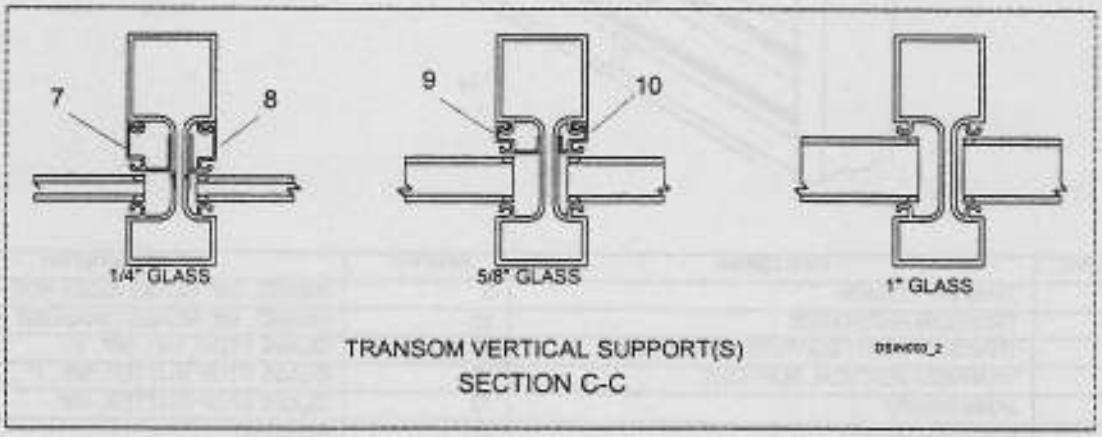


Item No.	Description	Item No.	Description
1	JAMB EXTRUSION	9	INSERT, 5/8" GLASS (DEEP POCKET)
2	TRANSOM HARDWARE	10	INSERT, 5/8" GLASS (SHALLOW POCKET)
3	TRANSOM VERT. SUPPORT HARDWARE	11	GLASS STOP, 1/4", 5/8", 1"
4	TRANSOM VERTICAL SUPPORT	12	GLASS STOP GUTTER, 5/8", 1"
5	JAMB INSERT	13	GLASS STOP GUTTER, 1/4"
6	GLAZING GASKET	14	HEADER
7	INSERT, 1/4" GLASS (DEEP POCKET)	15	TRANSOM HORIZONTAL SUPPORT
8	INSERT, 1/4" GLASS (SHALLOW POCKET)		

Figure 2. Transom Assembly (Sheet 2 of 2)







3.4.4 IF transom vertical supports are required, PERFORM the following:

a. DETERMINE required transom vertical support height as follows:

1) MEASURE dimension from top of jamb to top of door header.

2) SUBTRACT thickness of transom horizontal.

b. REMOVE transom vertical support clips from top of transom vertical supports.

NOTE

When a transom vertical support is cut to length, the top of the support must be redrilled to accept the clips and fasteners that secure the support to the transom horizontal support. The cut portion of the support can be used as a template for locating clip fastening holes in later steps.

c. CUT transom vertical support(s) to dimension determined in step 3.4.4.a, and SAVE transom vertical support cutting(s) for future use as a template.

d. VERIFY applicable glass inserts as follows:

- ¼ inch glass requires a ¼ inch glass insert (deep pocket) on one side of transom vertical support and ¼ inch glass insert (shallow pocket) on the opposite side of transom vertical support.
- $^5/_8$ inch glass requires $^5/_8$ inch glass insert (deep pocket) on one side of transom vertical support and $^5/_8$ inch glass insert (shallow pocket) on the opposite side of transom vertical support.
- 1 inch glass requires no glass inserts on either side of the transom vertical support.

e. CUT selected glass inserts to same length as transom vertical support(s).

f. Using top cutting of transom vertical support as a template, DRILL and COUNTERSINK two holes on upper inside and upper outside of each transom vertical support as necessary to accept transom vertical support clips and fasteners.

g. FASTEN transom vertical support clips onto top and bottom of transom vertical support(s).

h. REPEAT step 3.4.4 for each transom vertical support.

3.4.5 ASSEMBLE transom frame as follows:

CAUTION

Glass inserts *must* be installed before assembling the transom frame. These components *cannot* be installed after the transom frame is assembled.

a. INSTALL glass inserts into jambs, header, transom horizontal support, and transom vertical supports as applicable.

b. FASTEN transom horizontal clips to jambs.

c. ROUTE pull string(s) through header and jamb to permit future installation of rotary switch wiring, doorway holding beam wiring, and power switch wiring.

d. SLIDE transom horizontal support over transom horizontal clips, and ALIGN header with jamb rivnuts.

e. INSTALL and TIGHTEN the following:

- Fasteners securing header to jamb.
- Fasteners securing transom horizontal support to transom horizontal clips.

f. IF transom vertical support(s) are installed, PERFORM the following:

1) POSITION transom vertical support(s) between header and transom horizontal support.

2) INSTALL and TIGHTEN fasteners securing transom vertical support(s) to header and transom horizontal support.

g. Refer To Figure 2, and VERIFY appropriate glass stop gutters as follows:

- ¼ inch glass requires a common glass stop in the track closest to header cover and a ¼ inch glass stop gutter in the track opposite header cover.
- $^{5}/_{8}$ inch glass requires a common glass stop in the track closest to header cover, $^{5}/_{8}$ inch glass stop gutter in the track opposite header cover, and $^{5}/_{8}$ inch glass insert (shallow pocket) connected to the glass stop gutter. (The $^{5}/_{8}$ inch glass insert (shallow pocket) must be connected to the $^{5}/_{8}$ inch glass stop gutter prior to installation in header track.)
- 1 inch glass requires a common glass stop in the track closest to header cover and a 1 inch glass stop gutter in the track opposite header cover.

3.4.6 INSTALL applicable glass stops and glass inserts into header track.

3.5 Installing the Header and Jamb Assembly

3.5.1 LIFT header and jamb assembly and POSITION assembly as follows:

- IF installing a 2000-series door, ENSURE header cover faces *exterior*.
- IF installing a 3000-series door, ENSURE header cover faces *interior*.

3.5.2 Temporarily SECURE door in place as necessary to prevent header and jamb assembly from falling.

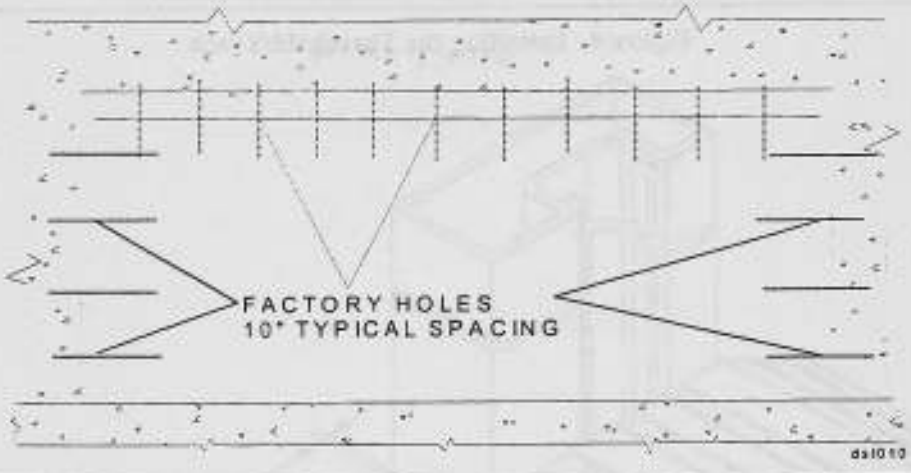
3.5.3 SHIM beneath jamb(s) as necessary to level header and maintain required height from highest point of finished floor.

3.5.4 INSPECT one jamb for plumb in vertical and horizontal planes. IF required, SHIM back of jamb.

3.5.5 Refer To Figure 3, and, using the pre-drilled jamb holes as a guide, DRILL holes in rough opening for the following fasteners as required:

- IF rough opening is concrete, DRILL ¼ inch dia. hole for concrete screw, and ENSURE screw will be embedded 1½ inch minimum.
- IF rough opening is steel, DRILL #14 SMS (Note 18 GA steel minimum).
- IF rough opening is wood, DRILL for #14 wood screw, and ENSURE screw will be embedded 1½ inch minimum.

Figure 3. Installing the Header and Jamb Assembly



3.5.6 INSTALL, but do *not* tighten, fasteners securing one jamb to opening, and ENSURE jamb remains plumb.

3.5.7 INSPECT opposite jamb for plumb in vertical and horizontal planes. If required, SHIM back of jamb.

3.5.8 Using the pre-drilled jamb holes as a guide, DRILL holes in rough opening.

3.5.9 INSTALL, but do *not* tighten, fasteners securing one jamb to opening, and ENSURE jamb remains plumb.

3.5.10 Starting at the top of jamb and moving downward, SHIM jambs as necessary to ensure jambs remain level and plumb, and TIGHTEN fasteners securing jambs to opening.

3.5.11 INSTALL and TIGHTEN fasteners securing header to opening, and ENSURE header remains level.

3.5.12 INSTALL jamb inserts into jamb.

3.6 Installing the Threshold/Track

3.6.1 At the exterior side of the opening, MARK a chalk line on floor from one jamb to the other.

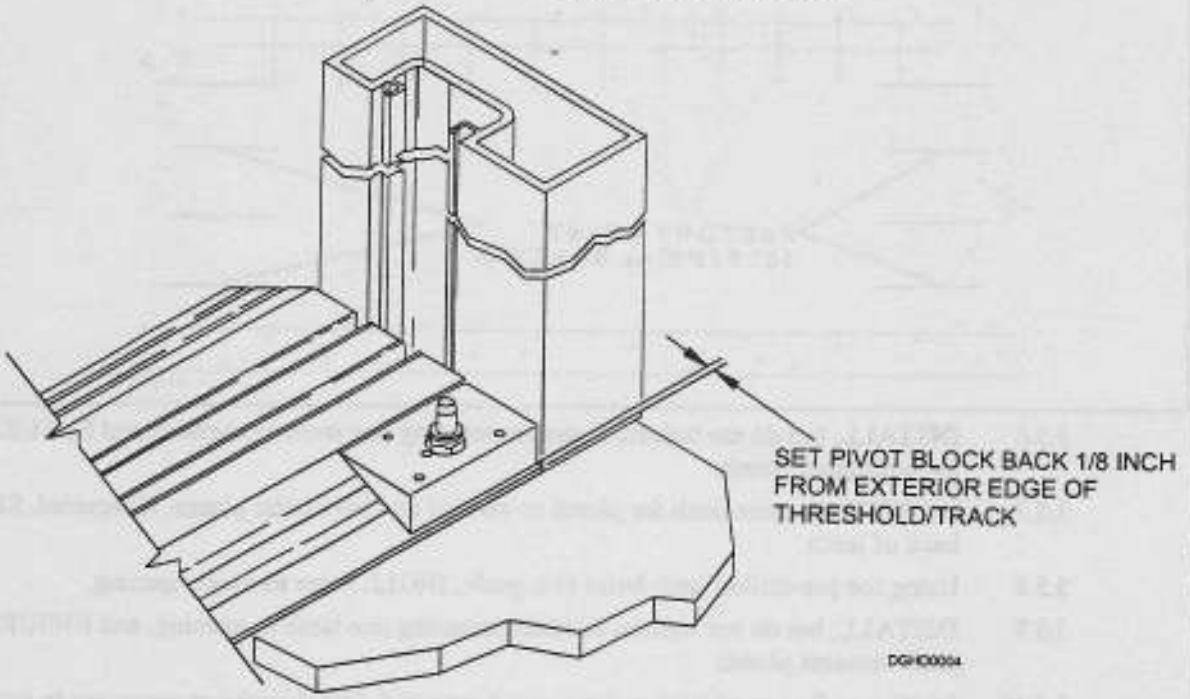
3.6.2 IF threshold/track will *not* extend across the entire opening and must be field cut, PERFORM one of the following as applicable:

- CUT threshold/track to SO panel width plus ¼ inch.
- CUT threshold/track so track will extend to inside edge of SX panel when SX panel is fully open.

3.6.3 IF threshold/track was field cut to length, DRILL mounting holes at end of threshold/track.

3.6.4 Refer To Figure 4, and POSITION threshold/track on floor.

Figure 4. Installing the Threshold/Track



3.6.5 On the exterior side of the opening, POSITION the threshold/track on the floor, and ENSURE threshold/track is butted against the jamb and plumb.

3.6.6 ENSURE threshold/track is butted against the jamb and plumb.

3.6.7 DRILL through-holes into threshold/track and floor.

3.6.8 FASTEN threshold/track to floor, and, using shims as necessary, ENSURE threshold/track remains level.

3.6.9 POSITION pivot block(s) $^{1}/_{8}$ inch from the exterior edge of the threshold/track.

3.6.10 DRILL through-holes into threshold/track and floor and FASTEN pivot block to floor.

3.6.11 IF installing a 2000-series door, Refer To Figure 5, and INSTALL keystrips as follows:

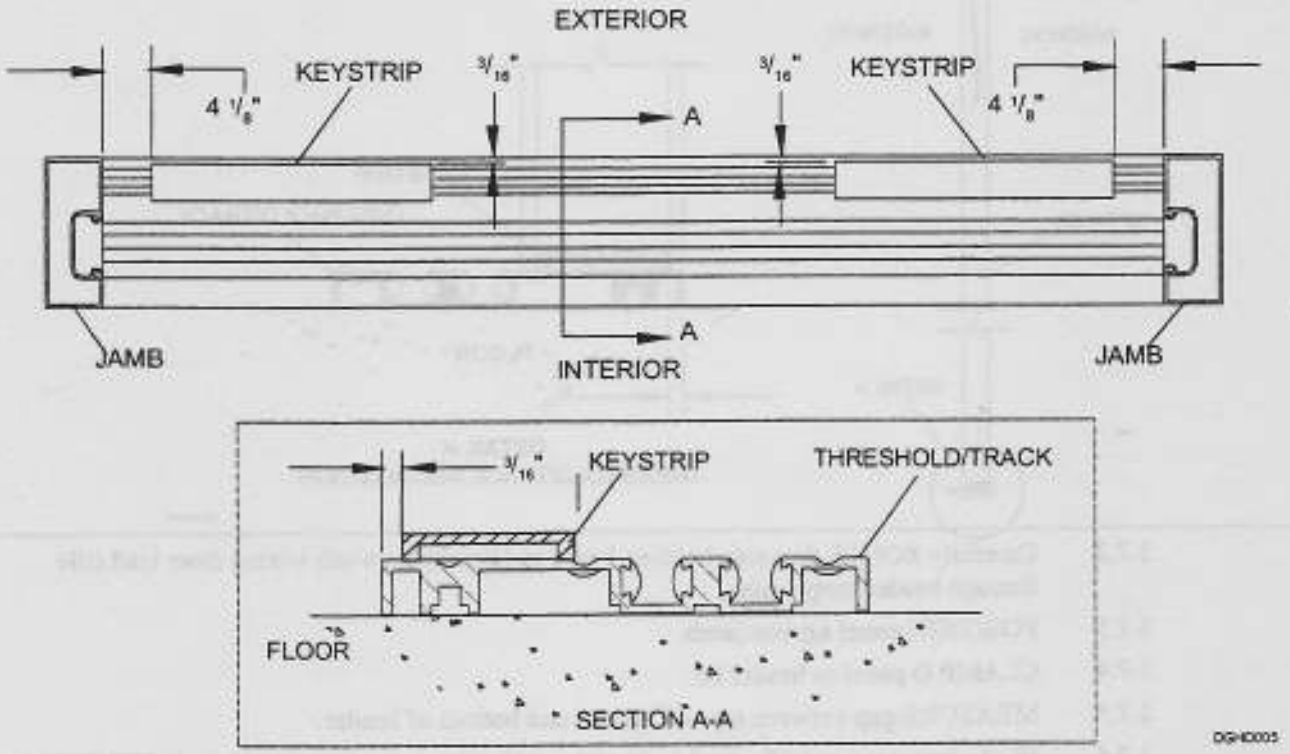
a. MEASURE back (toward exterior) $^{3}/_{16}$ inch from edge of threshold/track and MARK location.

b. POSITION side edge of keystrips at marked location and end of keystrips $4^{1}/_{8}$ inches from each jamb.

c. DRILL holes through keystrips and threshold/track.

d. FASTEN keystrips to threshold/track, and ENSURE keystrips remain level and properly aligned across opening.

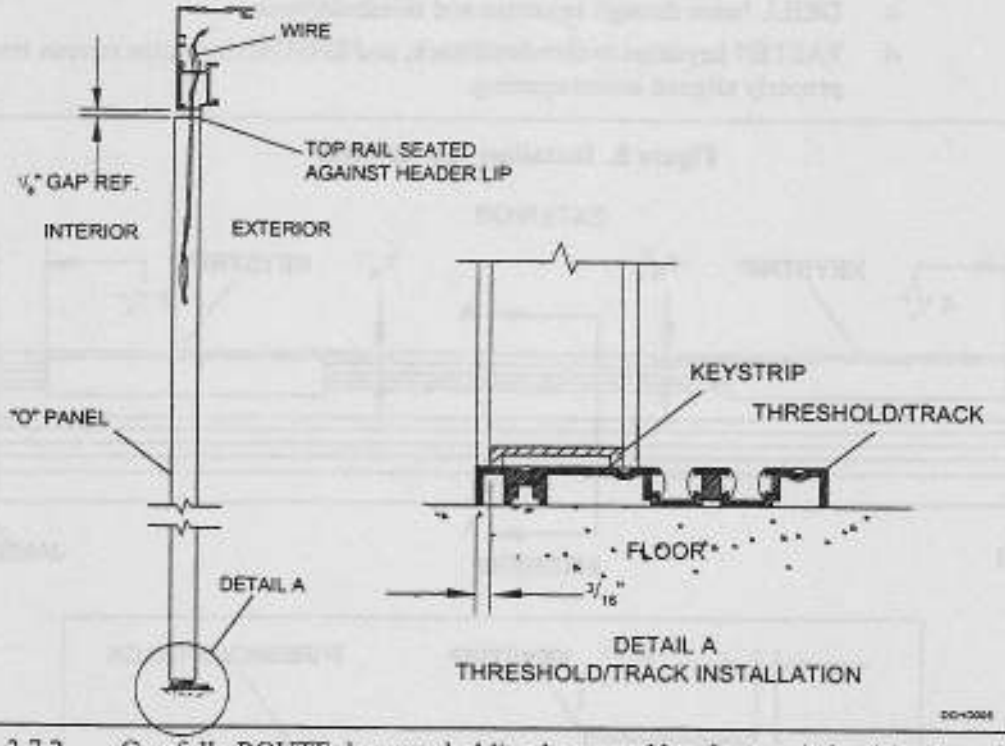
Figure 5. Installing the Keystrip



3.7 Installing the O Panels (2000-Series Doors Only)

3.7.1 Refer To Figure 6, and POSITION O panel on keystrip.

Figure 6. Installing the "O" Panel



3.7.2 Carefully ROUTE doorway holding beam and breakout switch wiring from lead stile through header torque tube.

3.7.3 POSITION panel against jamb.

3.7.4 CLAMP O panel to header lip.

3.7.5 MEASURE gap between top of O panel and bottom of header.

3.7.6 IF gap between top of O panel and bottom of header is *greater than* $^1/_8$ inch, PERFORM the following:

a. REMOVE clamp securing O panel to header lip.

b. REMOVE O panel.

c. REMOVE keystrip from threshold/track.

d. SHIM beneath keystrip as required to maintain maximum $^1/_8$-inch gap between top of O panel and bottom of header.

e. FASTEN keystrip to threshold/track, and ENSURE keystrip remains level.

3.7.7 IF gap between top of O panel and bottom of header is $^1/_8$ inch *or less*, PERFORM the following:

a. REMOVE clamp securing O panel to header lip.

b. LIFT and MOVE O panel as necessary to access the keystrip.

3.7.8 APPLY a bead of caulk along top center of keystrip.

3.7.9 POSITION O panel on keystrip.

3.7.10 Carefully ROUTE doorway holding beam and breakout switch wiring from lead stile through header torque tube.

3.7.11 POSITION panel against jamb, and ENSURE panel is plumb.

3.7.12 CLAMP O panel to header lip.

3.7.13 DRILL holes through header lip and into O panel, and, using No. 8-18 screws, FASTEN O panel to header lip.

3.8 Installing the SO Panel (3000-Series Doors Only)

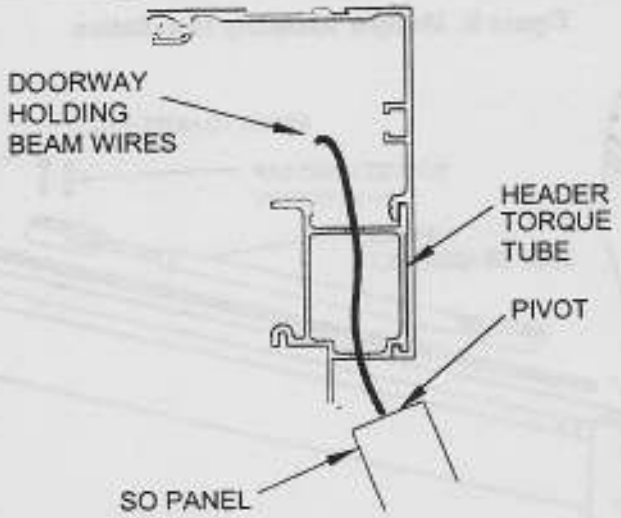
3.8.1 INSTALL bottom pivot pin into threshold.

3.8.2 ADJUST bottom pivot height as necessary to maintain a $^{1}/_{8}$ inch nominal gap at bottom of door.

3.8.3 ENSURE door opens without interference throughout 90 degree swing.

3.8.4 Refer To Figure 7, and carefully ROUTE doorway holding beam wires through header torque tube.

Figure 7. Installing the SO Panel



ROUTE DOORWAY HOLDING BEAM WIRES CAREFULLY THROUGH HEADER TORQUE TUBE.

3.8.5 ALIGN pivot with pivot hole in header.

NOTE

The pivot should snap up when the locking setscrew is loosened. However, it may be necessary to pull the pivot up.

3.8.6 LOOSEN locking setscrew and ENSURE pivot snaps up and engages into the header hole.

3.8.7 TIGHTEN locking setscrew.

3.8.8 Refer To Figure 8, and LOOSEN the two screws securing the top rail mount pivot.

3.8.9 ALIGN the panel and jamb as necessary to maintain an even gap, and TIGHTEN two screws securing the top rail mount pivot.

CAUTION

The stile-to-jamb gap must be adjusted *before* drilling the $^{7}/_{32}$-inch hole in the top rail.

3.8.10 Using the existing hole in the top rail mount pivot as a guide, DRILL a $^{7}/_{32}$-inch hole into top rail.

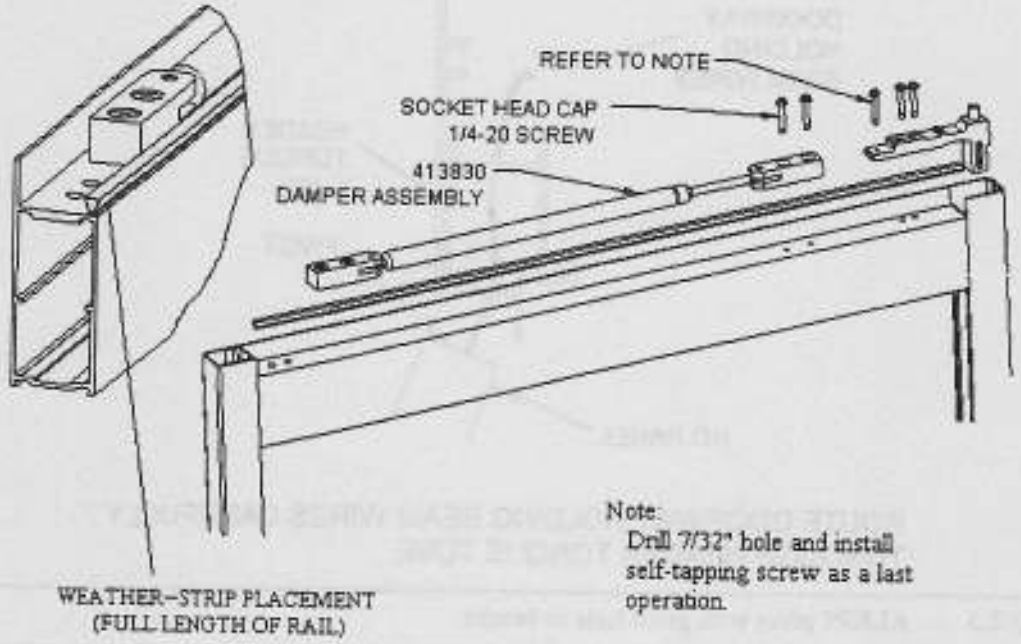
3.8.11 INSTALL and TIGHTEN a ¼ inch x 20 self–tapping screw securing the top rail mount pivot to the top rail.

3.9 Installing Wind-Resistant Damper Assembly (3000-Series Doors Only)

3.9.1 Refer To Figure 8, and, using the supplied ¼ inch-20 socket head cap screws and tapped holes, SECURE damper assembly to top rail of door panel.

3.9.2 Using the ¼ inch-20 socket head cap screws supplied, SECURE damper assembly to header.

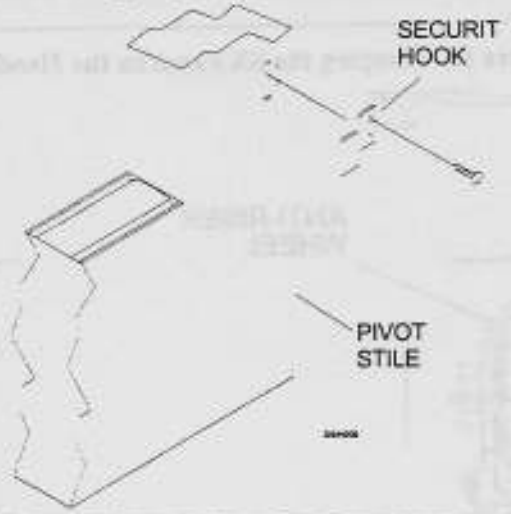
Figure 8. Damper Assembly Installation



3.10 Installing the Sliding SX Panels

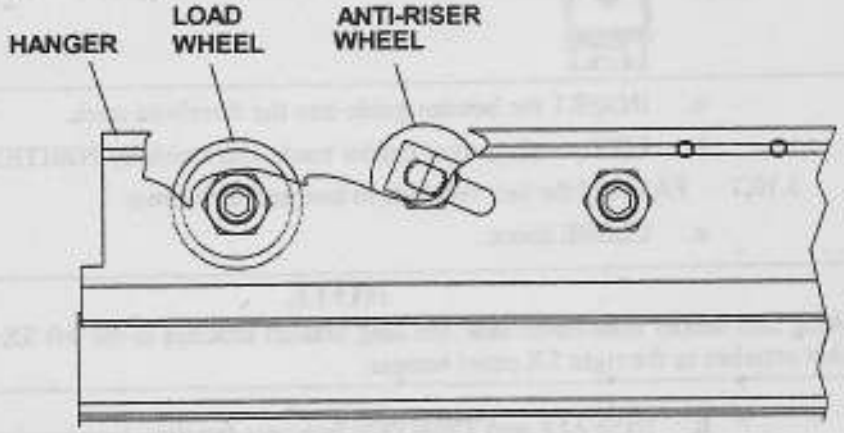
3.10.1 IF installing a 3000-series door, Refer To Figure 9, and INSTALL top and bottom security hooks.

Figure 9. Installing Top and Bottom Security Hooks



3.10.2 Refer To Figure 10, and LOOSEN nuts securing four load wheels and two anti-riser wheels to hanger.

Figure 10. Adjusting the Load Wheels and Anti-Riser Wheels



3.10.3 MOVE anti-riser wheels to lowest position in hanger.

3.10.4 Using an allen wrench, SET load wheels to lowest position in hanger.

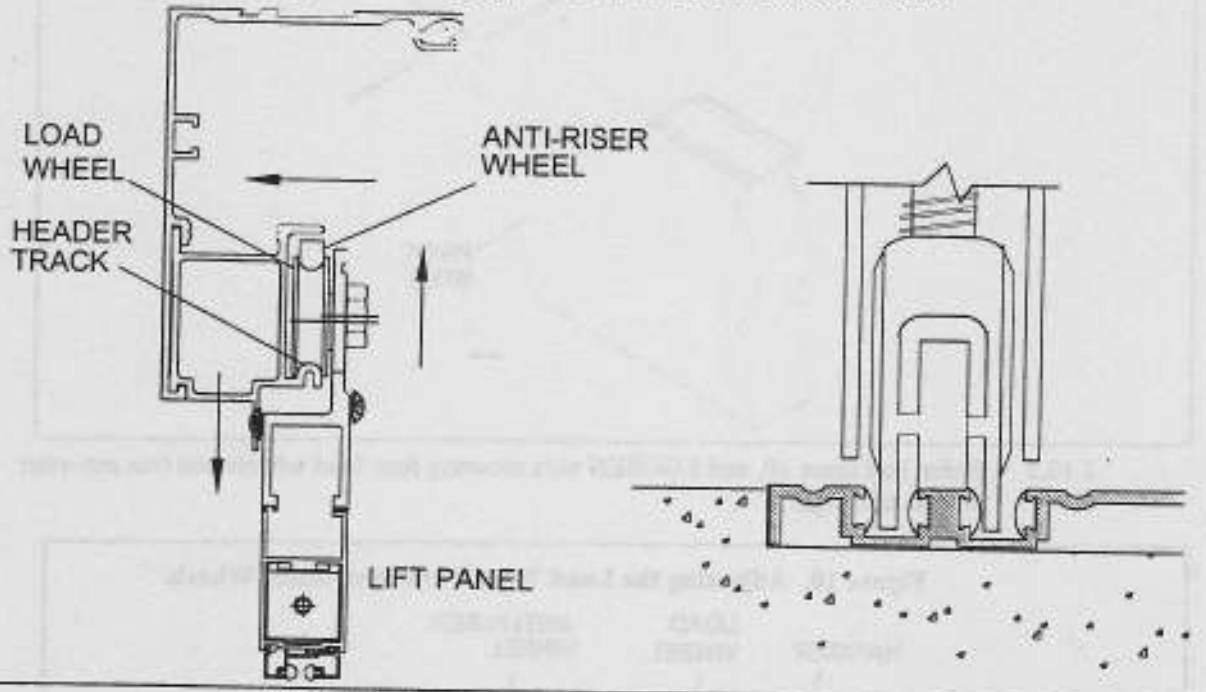
3.10.5 TIGHTEN nuts securing load wheels and anti-riser wheels to hanger.

WARNING

Whenever the door anti-riser wheels are not set, the SX panel *could* fall off the hanger track. Use extreme caution when handling the SX panels.

3.10.6 Refer To Figure 11, and HANG the SX panel on the header track as follows:

Figure 11. Hanging the SX Panel on the Header Track



a. INSERT the bottom guide into the threshold track.

b. LIFT panel up over header track, and carefully POSITION panel onto header track.

3.10.7 FASTEN the belt brackets to hangers as follows:

a. CLOSE doors.

NOTE

When looking into header from cover side, the long bracket attaches to the left SX panel hanger and the short bracket attaches to the right SX panel hanger.

b. INSTALL and TIGHTEN fasteners securing long bracket to left SX panel hanger.

c. INSTALL and TIGHTEN fasteners securing short bracket to right SX panel hanger.

3.11 Adjusting the Sliding (SX) Panel

3.11.1 Refer To Figure 10, and ADJUST panel height as follows:

a. LOOSEN nuts securing upper load wheels to hanger.

NOTE

Each load wheel is an eccentric that permits adjustment of the threshold/track-to-panel gap. The total adjustment available from the load wheels is approximately $^{5}/_{16}$ inch.

b. Using an allen wrench, TURN the load wheels until the following occur:
   - Threshold/track-to-panel gap is even across entire bottom of door panel.
   - The stiles of both door panels meet and are parallel with no gap at top or bottom.

c. WHEN adjustment is complete, TIGHTEN nuts securing load wheels to hanger.

NOTE

The anti-riser adjustment is performed to prevent the door panel from moving upward. The anti-riser track serves as a roller surface for the anti-riser wheels.

3.11.2 ADJUST anti-risers as follows:

a. LOOSEN the nuts securing the anti-riser wheels to the hanger.

b. SLIDE the anti-riser wheels upward in the hanger until there is a $^{1}/_{64}$-to $^{1}/_{32}$-inch gap between the top of the anti-riser wheels and the bottom of the anti-riser track.

c. TIGHTEN the nuts securing the anti-riser wheels to the hanger.

3.12 Verifying the SX Panels are Centered

NOTE

On 2000-series doors the pivot stiles of the SX panels and the lead stiles of the O panels must be aligned vertically. On 3000-series doors the pivot stiles of the SX panels and the lead stiles of the SO panels must be aligned vertically. This ensures that the security hooks will engage properly on both sides.

3.12.1 CLOSE the doors.

3.12.2 Visually INSPECT vertical alignment of panel stiles.

3.12.3 IF panel stiles are *not* vertically aligned, PERFORM the following:

a. RECORD dimension of misalignment.

b. Viewing from the cover side of header, MARK position of left gear reducer/idler pulley on its header mounting track.

c. LOOSEN fastener(s) securing left gear reducer/idler pulley to header mounting track.

d. TURN belt tension adjusting screw as necessary to reduce belt tension.

NOTE

In order to correct misalignment, the gear reducer/idler pulley must be moved one half the distance of the recorded misalignment. For example, if the panel stiles were misaligned by ¾ inch, the gear reducer/idler pulley must be moved $^{3}/_{8}$ inch.

e. MOVE left gear reducer/idler pulley by one half of the recorded misalignment dimension.

f. TIGHTEN fastener(s) securing left gear reducer/idler pulley to header mounting track.

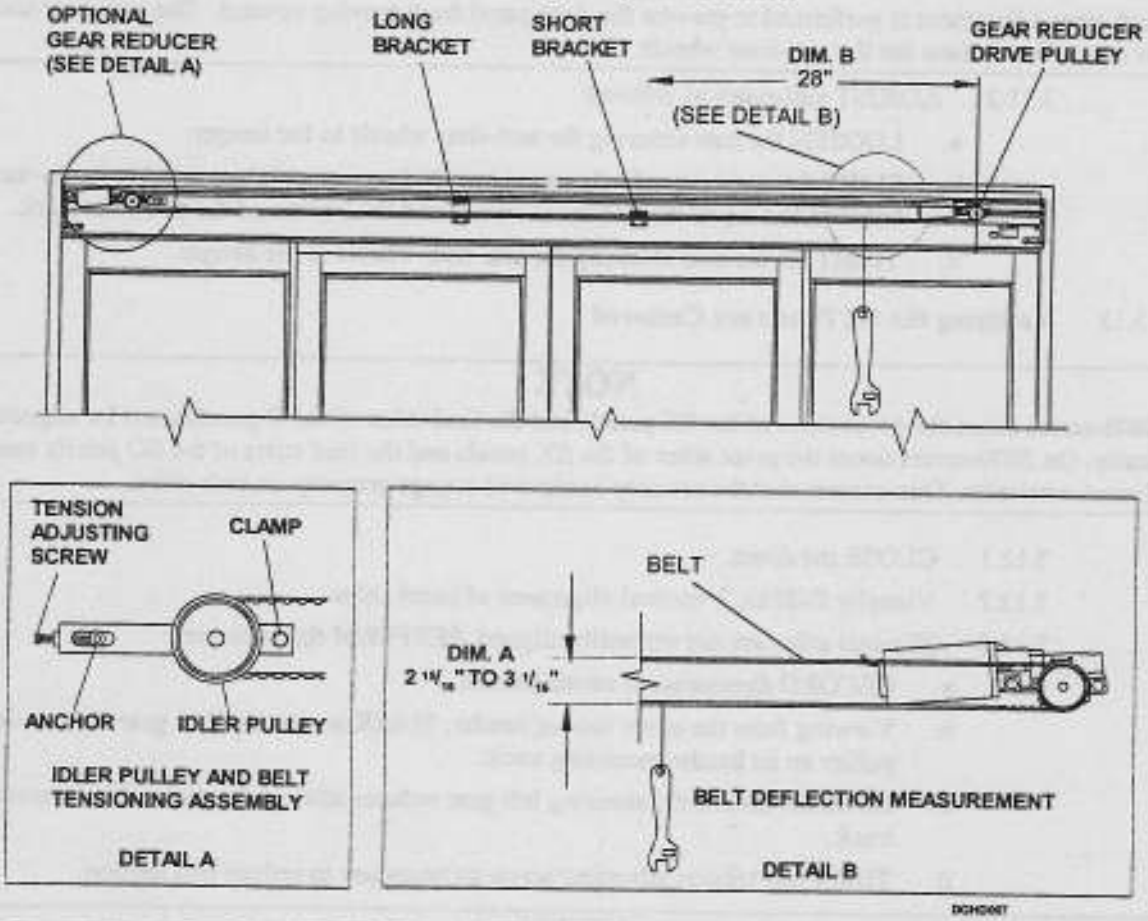
g. Visually INSPECT vertical alignment of panel stiles, and REPEAT step 3.12.3 as necessary.

h. WHEN panel stiles are aligned, Refer To Section 3.13 and ADJUST belt tension.

3.13 Adjusting Belt Tension

3.13.1 Refer To Figure 12, and facing cover side of header, OPEN doors until "Dimension B" between short bracket and center of gear reducer DRIVE pulley is 28 inches.

Figure 12. Adjusting Belt Tension



3.13.2 At the center of "Dimension B", HANG a 1 1/2-lb. weight (or 12-inch crescent wrench) from lower portion of belt.

3.13.3 MEASURE "Dimension A" from top of belt to bottom of belt.

CAUTION

Over long spans, some belt deflection is required. To prevent damage to bearings and gear reducer, belt must *not* be over-tightened.

3.13.4 IF "Dimension A" is *not* $2^{15}/_{16}$ to $3^{1}/_{16}$ inches, PERFORM the following:

a. LOOSEN fastener(s) securing left gear reducer/idler pulley to header mounting track.

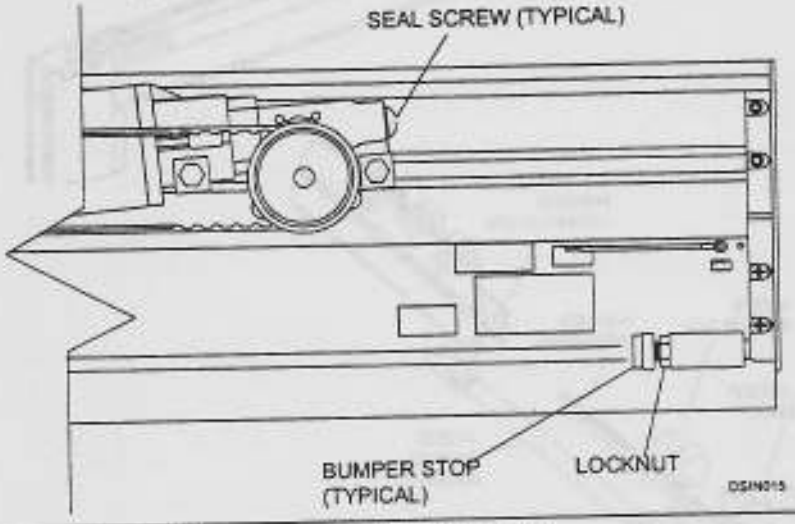
b. TURN belt tension adjusting screw as necessary to achieve proper belt deflection.

c. WHEN belt tension is fully adjusted, TIGHTEN fastener(s) securing left gear reducer/idler pulley to header mounting track.

3.14 Adjusting the Full-Open Bumper Stops

3.14.1 Refer To Figure 13, and loosen bumper stop locknut.

Figure 13. Adjusting the Full-Open Bumper Stops



3.14.2 THREAD bumper stop to full-in position.

3.14.3 Manually OPEN doors to the full-open position, and TURN bumper stop as necessary to ensure both SX panels contact bumper stops at the same time.

3.14.4 WHEN adjustment is complete, TIGHTEN bumper stop locknuts.

CAUTION

Each gear reducer has a seal screw that prevents the leakage of oil during shipping and handling. To prevent the buildup of pressure and subsequent oil leakage through the seals, the seal screw must be loosened *prior to operating the unit*. After pressure has been relieved, the seal screw must be retightened to prevent oil leakage from the bleed hole. *Prior to removing the gear reducer for service, make sure the seal screw is tightened to prevent oil spillage during handling or shipment.*

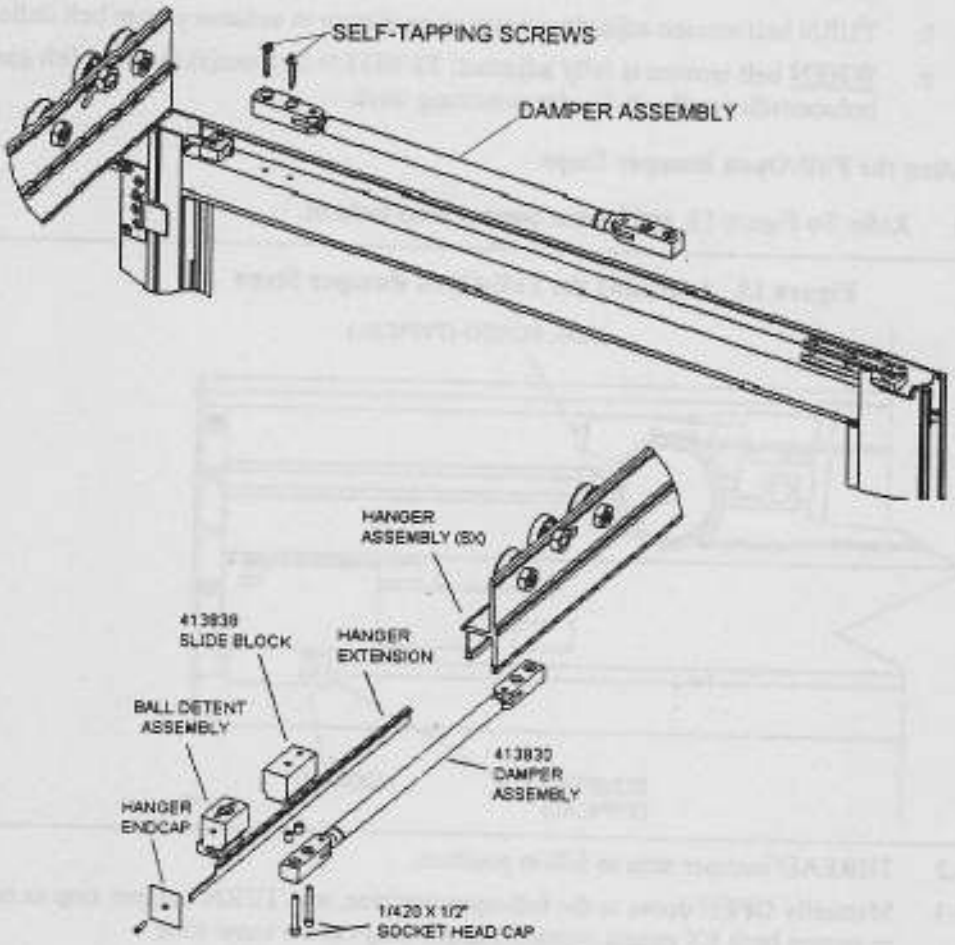
3.14.5 LOOSEN gear reducer seal screw from gear reducer(s), and ALLOW release of pressure from gearbox.

3.14.6 After pressure has been released, TIGHTEN gear reducer seal screw.

3.15 Installing the SX Panel Damper Assembly (2000-Series Doors Only)

3.15.1 Refer To Figure 14, and using the self-tapping hex-head screws provided, FASTEN the damper assembly to the SX panel top rail.

Figure 14. Installing the Damper Assembly



3.15.2 LOOSEN, but do *not* remove, the setscrews securing the slide block in the hanger assembly.

3.15.3 Using the two socket head capscrews provided, FASTEN damper assembly to slide block.

3.15.4 OPEN the SX panel to the 90-degree open breakout position.

3.15.5 EXTEND the damper to its maximum length while moving the slide block in the hanger track.

3.15.6 With the damper fully extended and the SX panel at 90-degree open position, MARK the location of the slide block in the hanger track.

3.15.7 REMOVE the two socket head capscrews securing the damper assembly to the slide block.

3.15.8 ALIGN the slide block with the hanger mark made in step 3.15.6, and TIGHTEN the setscrews securing the slide block in the hanger assembly.

3.15.9 Using the two socket head capscrews provided, FASTEN damper assembly to slide block.

3.16 Adjusting SX Panel Emergency Egress Breakout Detents

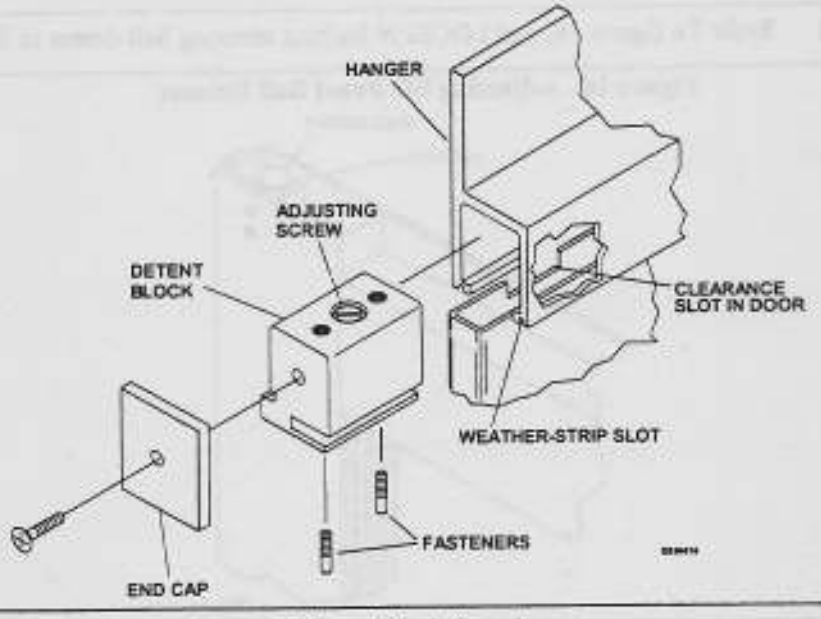
NOTE

1. Breakout detents are factory set to average requirements. If more or less breakout force is required to open door, the breakout detents can be adjusted.
2. During door installation, the breakout detents are set tight to prevent the door from swinging out and being damaged. During door tune-in, the breakout detents must readjusted to meet ANSI Standard A156.10. requirements.

3.16.1 BREAK OUT panel.

3.16.2 Refer To Figure 15, and LOOSEN two fasteners in bottom of detent block.

Figure 15. Adjusting Emergency Egress Breakout Detents



3.16.3 REMOVE end cap and detent block from hanger.

3.16.4 INSTALL weather-strip in exterior channel of hanger and CUT weather-strip to length.

NOTE

Turning adjusting screw clockwise increases the force required to break out door. Turning adjusting screw counterclockwise decreases the force required to break out door.

3.16.5 TURN adjusting screw in top of detent block as necessary to ensure door will be tight.

3.16.6 SLIDE detent block and end cap into hanger, and ENSURE detent block is aligned with clearance slot in door.

3.16.7 TIGHTEN two fasteners in bottom of detent block.

3.16.8 With "TOP" indication facing upward, POSITION end cap over hanger.

3.16.9 TIGHTEN fastener securing end cap to detent block.

3.16.10 APPLY pressure-sensitive foam to end cap.

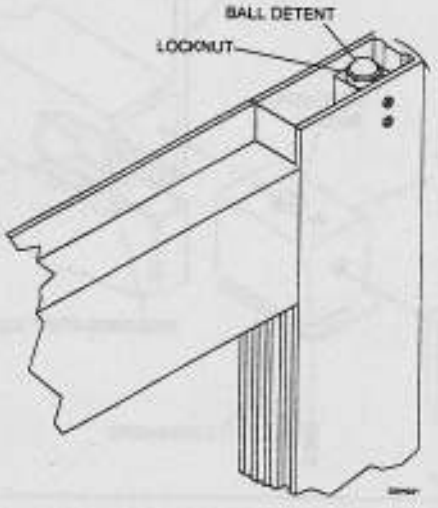
3.17 Adjusting SO Panel Ball Detents (3000-Series Doors Only)

NOTE

1. The instructions for adjusting the top and bottom ball detents are the same for either SO panel.
2. During door installation, the ball detents are set tight to prevent the door from swinging out and being damaged. During door tune-in, the ball detents must be readjusted to meet ANSI Standard A156.10 requirements.

3.17.1 Refer To Figure 16, and LOOSEN locknut securing ball detent in SO panel stile.

Figure 16. Adjusting SO Panel Ball Detents



3.17.2 TURN ball detent as necessary to ensure door will be tight.

3.17.3 WHEN adjustment is complete, TIGHTEN locknut securing ball detent in SO panel stile.

3.17.4 Using shoulder screw, washer, and spacer, ATTACH barrel end of damper to ¼-20 rivnut on underside of header.

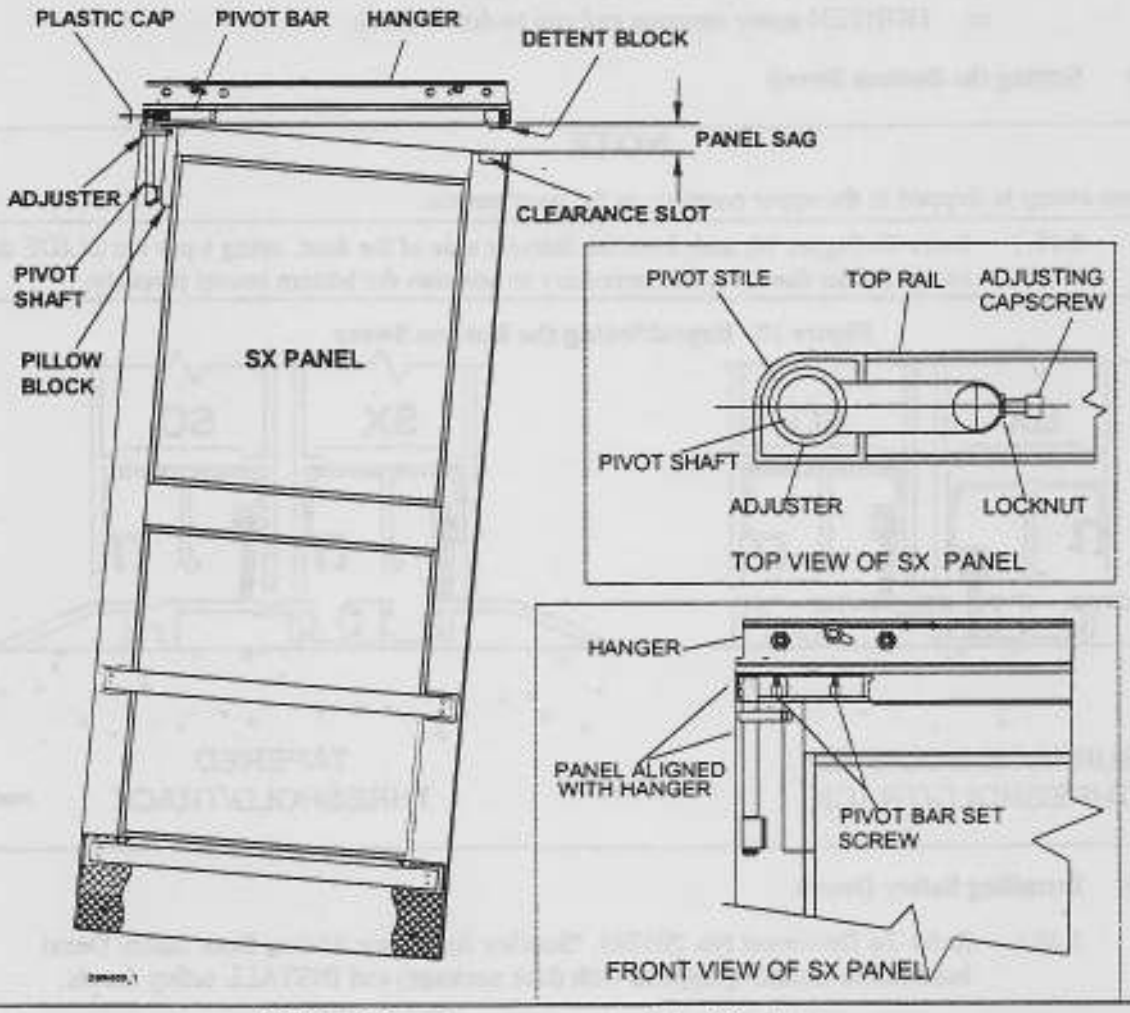
3.17.5 Using shoulder screw, washer, and spacer, ATTACH rod end of gas damper to ¼ -20 tapped hole in SO panel.

3.17.6 CLOSE SO door.

3.18 Adjusting SX Panel Sag Following Installation of Glass

3.18.1 IF SX panel sag adjustment is required, Refer To Figure 17, and PERFORM the following:

Figure 17. Adjusting SX Panel Sag



a. SWING SX panel open approximately 10 inches.

b. LOOSEN screw securing end cap to detent block.

c. LOOSEN fasteners securing detent block to hanger.

d. LOOSEN adjusting capscrew locknut.

e. PULL lead stile of SX panel upward, and TURN adjusting capscrew until no panel sag is observed.

f. WHEN sag adjustment is complete, TIGHTEN adjusting capscrew locknut.

g. ALIGN SX panel with hanger.

h. OPEN SX panel to 90-degree open position.

i. LOOSEN pivot bar setscrews.

j. SLIDE pivot bar into hanger until panel and hanger are aligned, and TIGHTEN pivot bar setscrews.

k. ALIGN detent block with clearance slot in door.

l. TIGHTEN fasteners securing detent block to hanger.

m. TIGHTEN screw securing end cap to detent block.

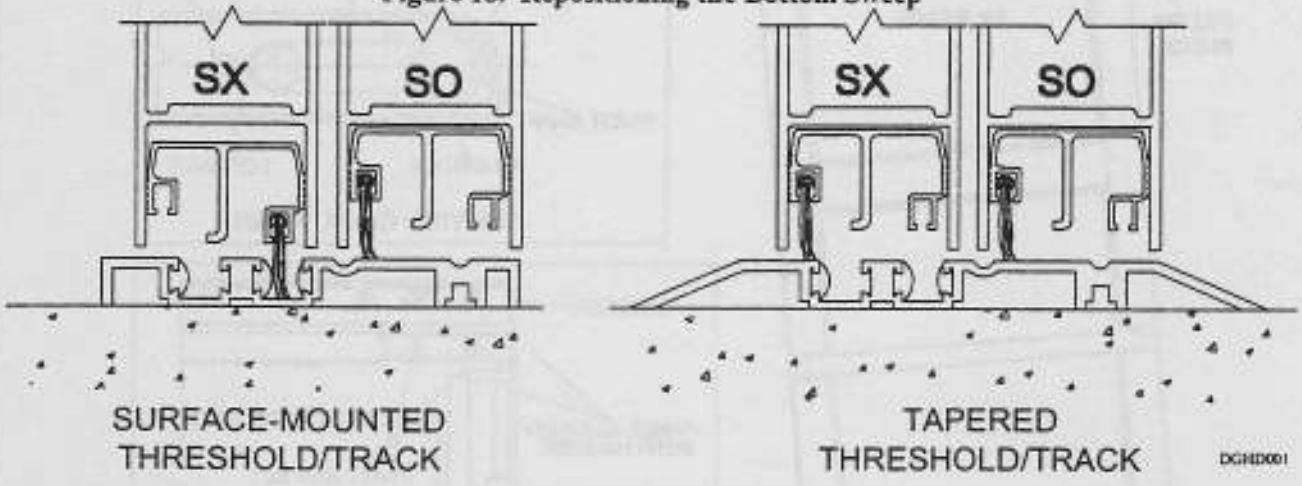
3.19 Setting the Bottom Sweep

NOTE

The bottom sweep is shipped in the upper position on the door panels.

3.19.1 Refer To Figure 18, and, from the interior side of the door, using a pry bar SLIDE the sweep holder downward as necessary to position the bottom sweep properly.

Figure 18. Repositioning the Bottom Sweep



3.20 Installing Safety Decals

3.20.1 Refer To Document No. 203743, "Stanley Automatic Sliding Door Safety Decal Installation Guide," (supplied with door package) and INSTALL safety decals.