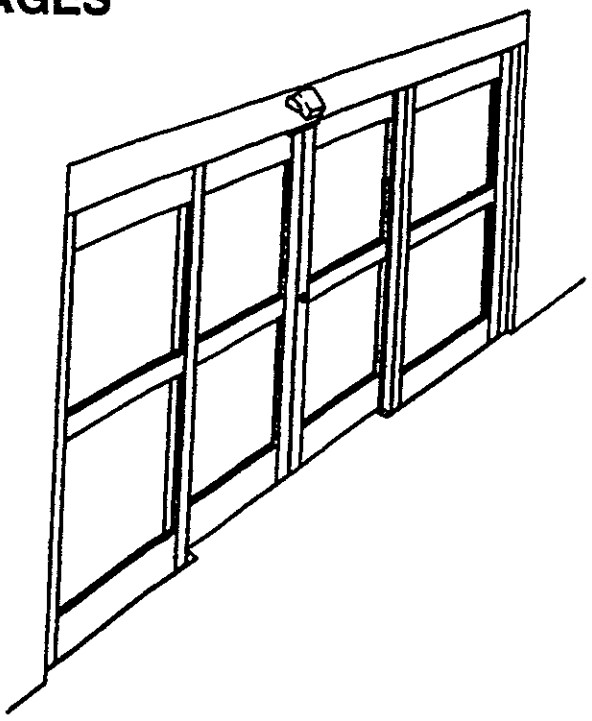
STANLEY Access Technologies

DURA-GLIDE 3000

important

TRANSOM PACKAGES

REFER TO PAGE 10



Installation Manual

203591D 9/98

3000 CONTENTS

Basic package installation is in suggested order of execution.

Basic Package Data

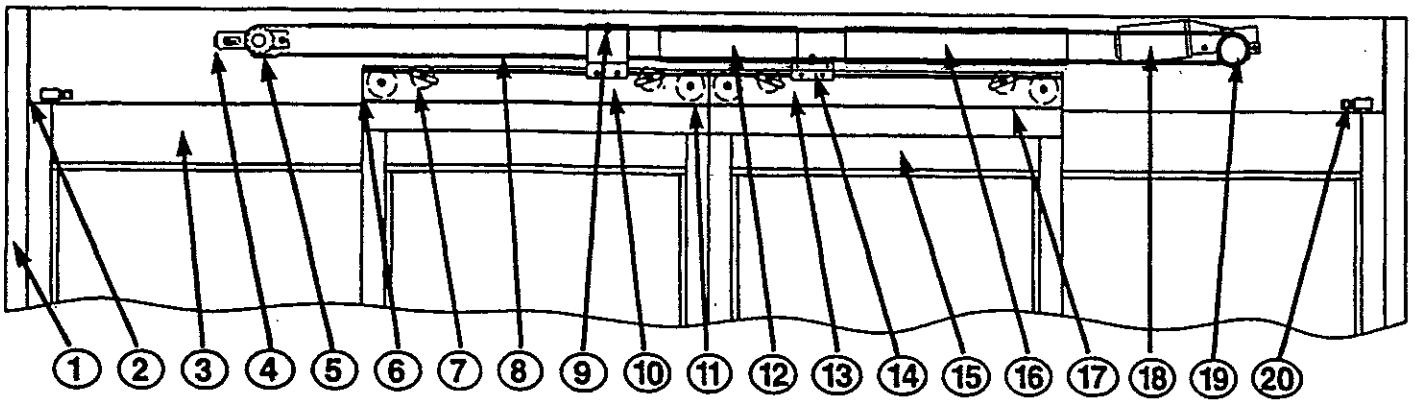
(1) Masonry Opening
(2) Assemble Header/Operator to jambs.
(3) Install Header/Operator and jamb assembly.
(4) Install Threshold.
(5) Bottom Sweep, Location, SO, SX.
(6) Install (SO) Panels
- Bottom Pivot
- Top Pivot
- Holding Beam Leads
- Door Holders
- B/O Switches

(7) Install (SX) Panels
- Install (SX) Panels
- Security Hooks
- Prep. wheel positions
- Hang panels on track
- Set bottom guide
- Adjust panel height, tilt
- Adjust anti-risers
- Connect panels to belt
- Manually slide & set bumper stops
- B/O detents

(8) Glaze Panels
- Standard glass sizes
- Glazing Techniques

APPENDIX-Transom Package
APPENDIX- Fasteners
APPENDIX-Jambs-By-Others
Jamb Template

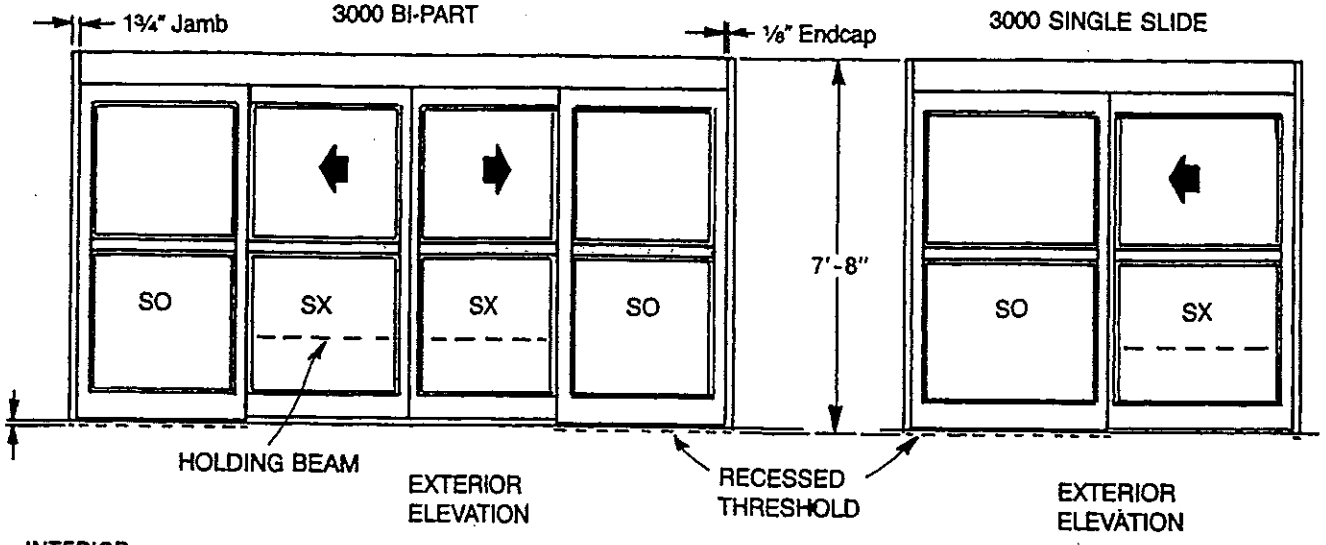
DURA-GLIDE BI-PART HEADER-OPERATOR ASSEMBLY

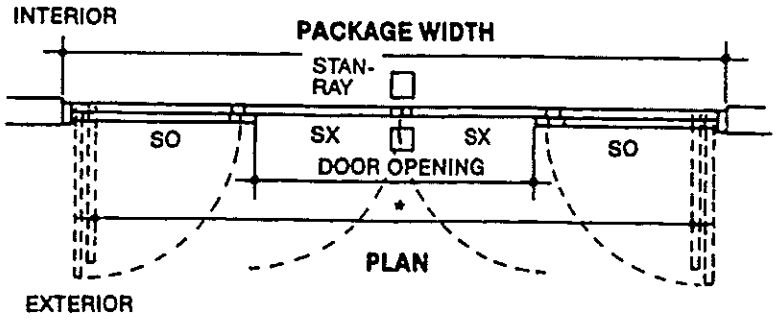


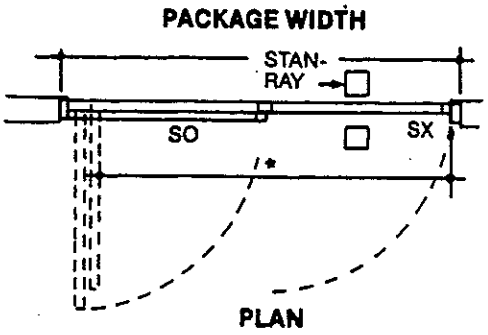
DURA-GLIDE COMPONENTS

1. JAMB (2)
2. HEADER END CAPS (2)
3. SO PANEL (2)
4. BELT TENSION ADJUSTMENT
5. IDLER PULLEY
6. HANGER END CAPS (4)
7. ANTIRISER ADJUSTMENT (4)
8. DRIVE BELT
9. BELT CLAMP
10. BELT BRACKET- LONG
11. LOAD WHEELS (4)
12. INTERFACE BOARD BOARD
13. HANGER-DOOR (2)
14. BELT BRACKET- SHORT
15. SX PANEL (2)
16. CONTROL BOX
17. WEATHER STRIP (4)
18. MOTOR/ENCODER
19. DRIVE PULLEY
20. END STOPS (2)

GENERAL PACKAGE DATA







* = INDICATES DIMENSION OF CLEAR OPENING WITH DOORS BROKEN OUT AND STACKED TO BOTH SIDES

3348 = 107½"
3360 = 131½"
3372 = 155½"

* = INDICATES DIMENSION OF CLEAR OPENING WITH DOORS BROKEN OUT AND STACKED TO ONE SIDE.

3036 = 75¾"
3042 = 87¾"
3044 = 93¾"
3048 = 99¾"

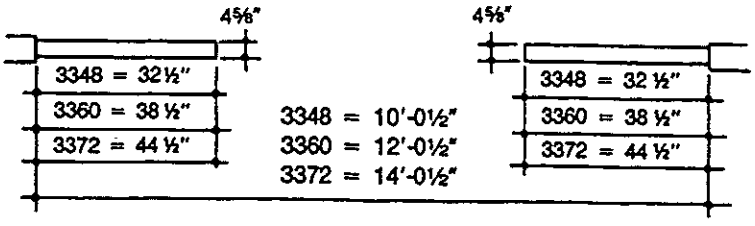
BI-PART PACKAGE WIDTH INFORMATION

DOOR PKG.	PKG. WIDTH	SLIDING DOOR OPG.	(SX) DOOR WIDTH	(SO) PANEL WIDTH	DOOR TRAVEL	MASONRY OPENING	CAULKING ALLOWANCE
3348	10'-0"	48"	30 5/16"	30 5/16"	24"	10'-0½"	¼"/Side
3360	12'-0"	60"	36 5/16"	36 5/16"	30"	12'-0½"	¼"/Side
3372	14'-0"	72"	42 5/16"	42 5/16"	36"	14'-0½"	¼"/Side

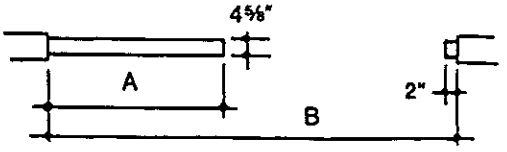
SINGLE SLIDE PACKAGE WIDTH INFORMATION

DOOR PKG.	PKG. WIDTH	SLIDING DOOR OPG.	(SX) DOOR WIDTH	(SO) PANEL WIDTH	DOOR TRAVEL	MASONRY OPENING	CAULKING ALLOWANCE
3036	7'-0"	35½"	41 7/16"	41 7/16"	35½"	7'-0½"	¼"/Side
3042	8'-0"	41½"	47 7/16"	47 7/16"	41½"	8'-0½"	¼"/Side
3044	8'-6"	44½"	50 7/16"	50 7/16"	44½"	8'-6½"	¼"/Side
3048	9'-0"	47½"	53 7/16"	53 7/16"	47½"	9'-0½"	¼"/Side

FOR RECESSED APPLICATION



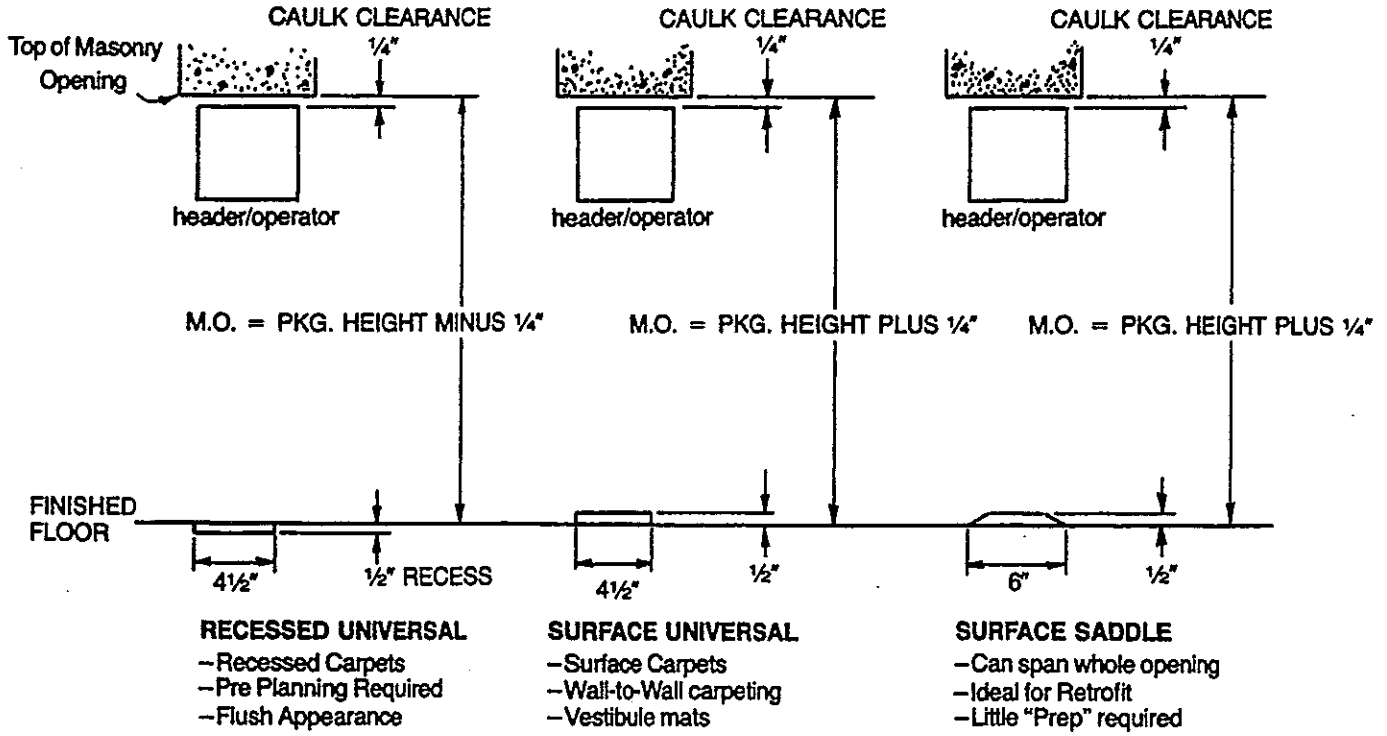
FOR RECESSED APPLICATION



A = 3036 = 43 1/16"
3042 = 49 9/16"
3044 = 52 1/16"
3048 = 55 9/16"

B = 3036 = 7'-0½"
3042 = 8'-0½"
3044 = 8'-6½"
3048 = 9'-0½"

GENERAL PACKAGE DATA



RECESSED UNIVERSAL
- –Recessed Carpets
- –Pre Planning Required
- –Flush Appearance

SURFACE UNIVERSAL
- –Surface Carpets
- –Wall-to-Wall carpeting
- –Vestibule mats

SURFACE SADDLE
- –Can span whole opening
- –Ideal for Retrofit
- –Little "Prep" required

DURA-GLIDE 3000 INSTALLATION PROCEDURE

MASONRY OPENING

1 Check Floor across entire opening.
2 Fill any low areas to level condition.
3 Allow for tile, terrazzo, etc., when determining finished floor.

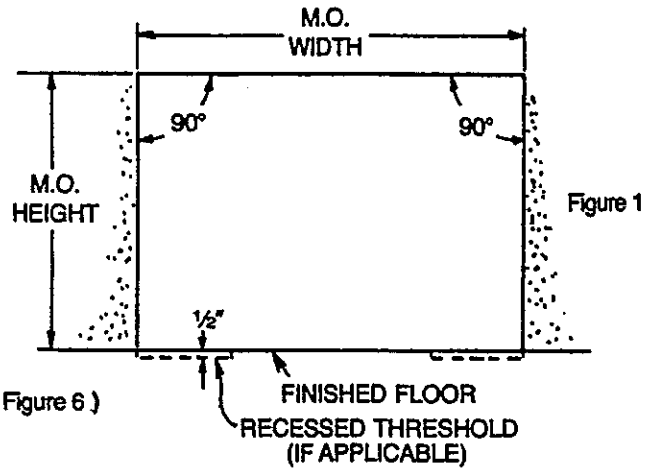


Figure 1

4. Check **Threshold Recesses** if used.(Figure 6)

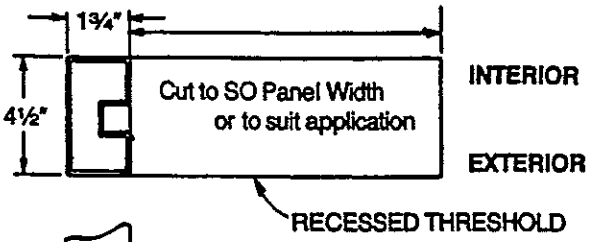
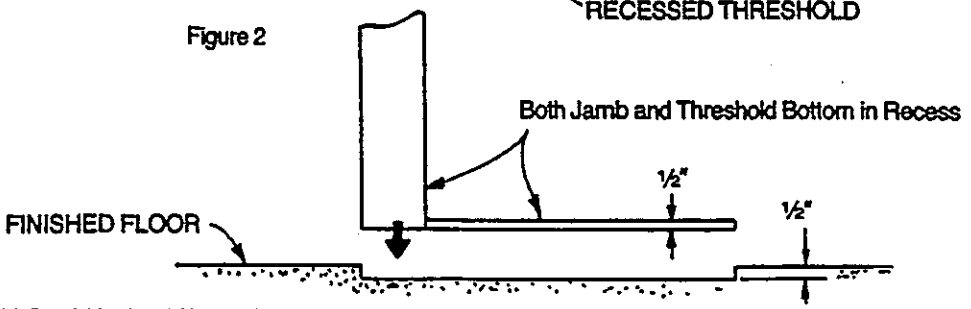


Figure 2



5. M.O. width should be package width plus ½" (¼" each side:shim and caulk clearance). This clearance can be ⅛" for tight appearance with aluminum store front construction.

6 **Sweep Floor**

7 Dura-Glide **Electrical Requirements:**
117 VAC 15 Amp for 1-2 operators, thru header end cap
117 VAC 20 Amp for 3-4 operators, thru header end cap
NOTE: Plan to bring 117 VAC thru end cap wiring hole at **connector board end of header.**
All wiring shall conform with Nat. Elec. Code.

ASSEMBLE HEADER TO JAMBS

1 Place Header on a flat surface with the swing up cover facing up.
Caution: Protect Header from scratches.

2 Set Jambs in against Header end caps and fasten with (4) ¼-20 bolts into factory-mounted rivnuts.

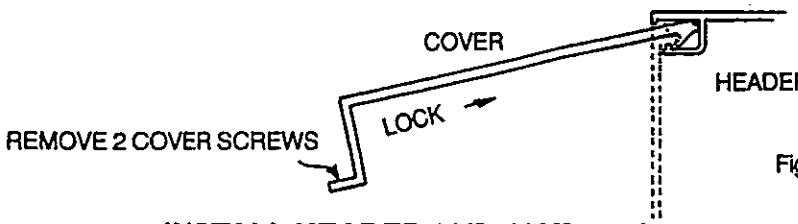


Figure 4

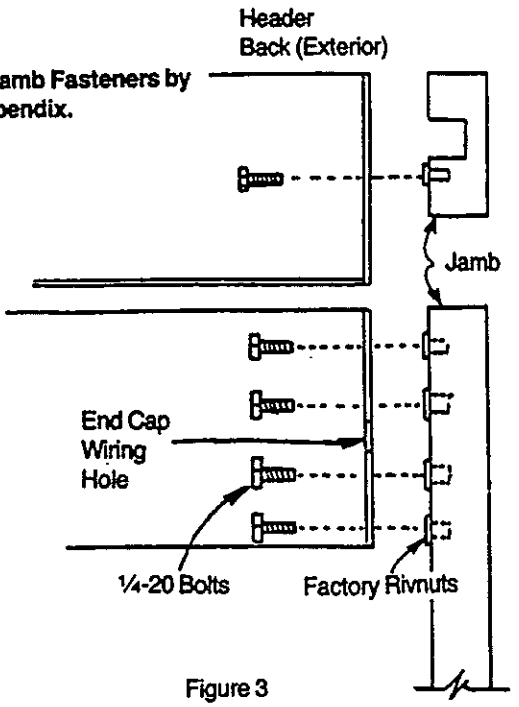


Figure 3

INSTALL HEADER AND JAMB ASSEMBLY

Important: Elevation must be taken from highest point of finished floor.

1 Swing Up Cover Faces Interior
2. Lift Header into position.
3. Level Header track. If required, shim under appropriate jamb.
4. Plumb one of the jams in both planes. If required, shim back of jamb.
5. Drill through factory holes in Jamb for appropriate fasteners. (See "Fasteners") Fasten jambs to structure· (use jamb holes for template)
6. Plumb and repeat fastening for other jamb.
7. Fasten securely.
8. Check level of header and its height from highest point of finished floor. **If not right, fix it now.**
9. If Transom package, see "Transom" Appendix.

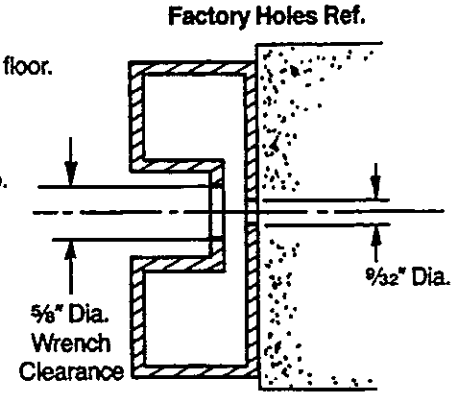


Figure 5

INSTALL THRESHOLD/DOOR GUIDE

Two Threshold types are available:

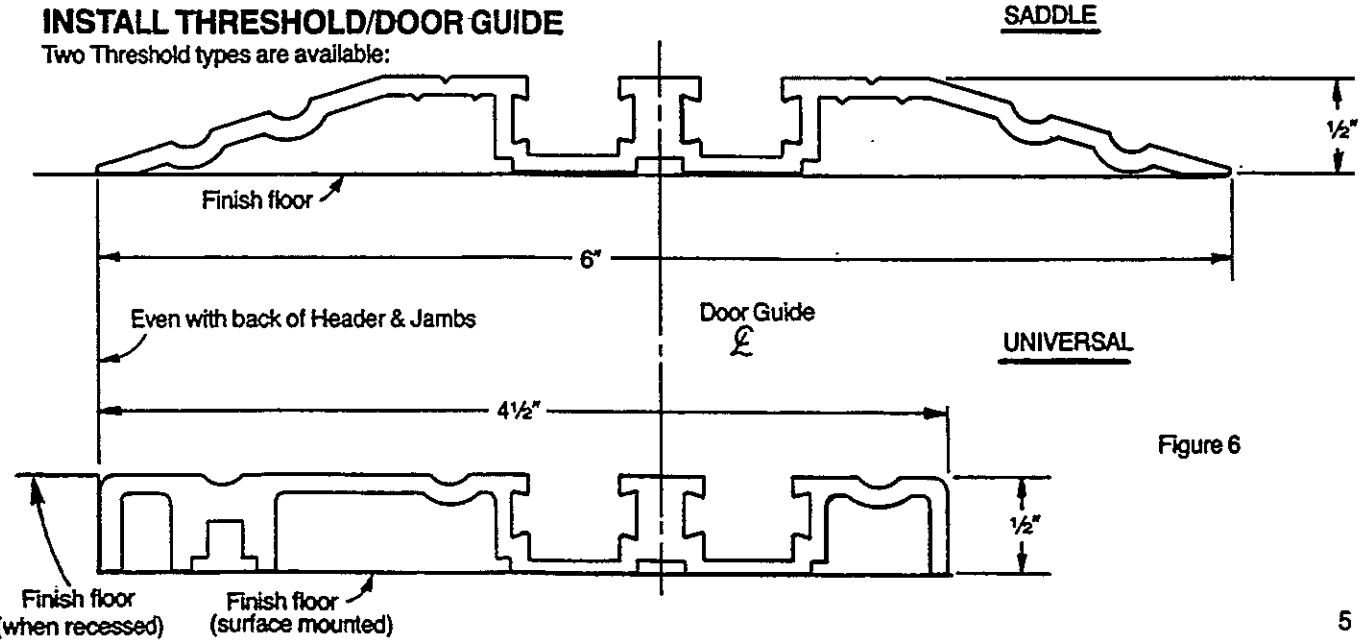


Figure 6

INSTALL THRESHOLD/DOOR GUIDE (CONT.)

1. Snap a chalk line on floor across exterior of Jambs.
2. Cut threshold(s) to desired length. (example: to width of So Panel)

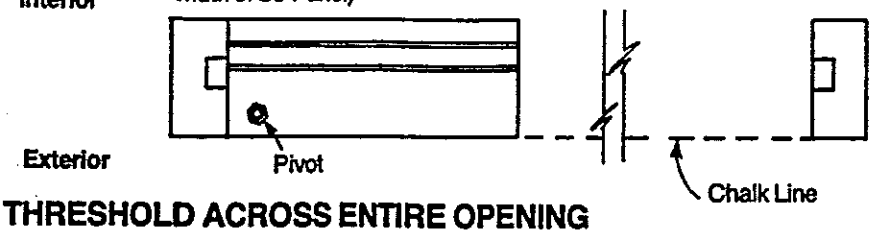


Figure 7

THRESHOLD ACROSS ENTIRE OPENING

When extending the threshold across the entire opening, the clear opening part of the threshold door guide slot should be filled with the solid filler extrusion:

1. Slide out and cut wear strips to SO panel width.
2. Cut filler strip to fill remainder of threshold slot.
3. Slide filler strip into threshold.

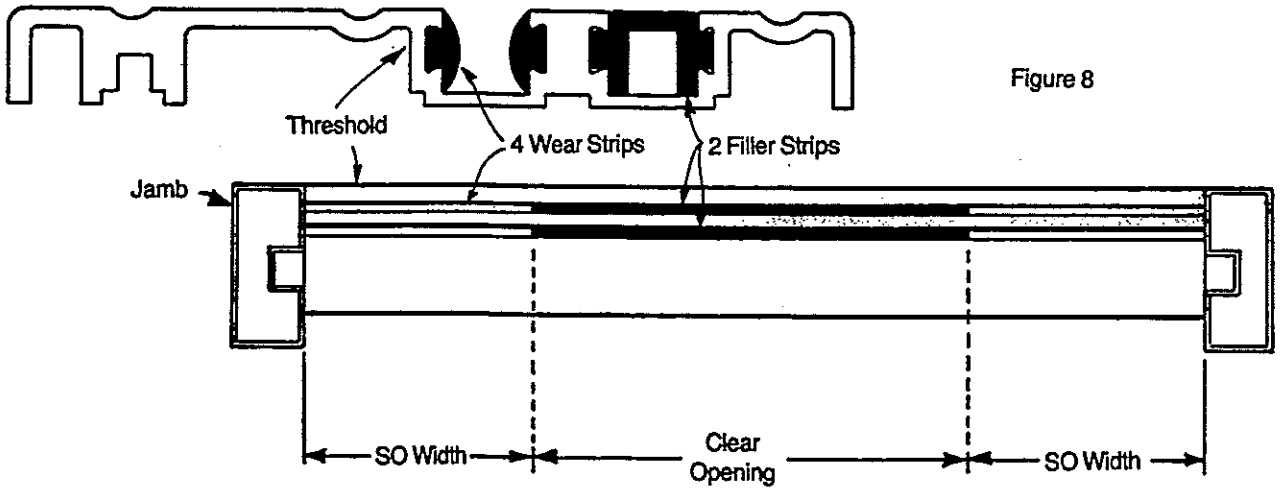
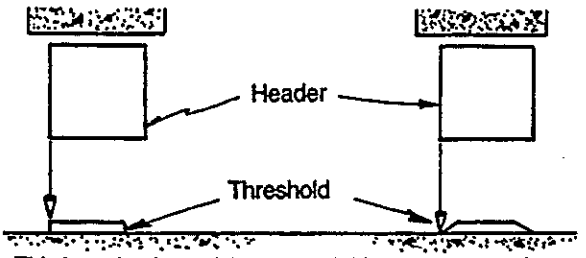


Figure 8

4. Check Threshold location with plumb from header.
5. Drill thru holes in Threshold into floor and fasten



This is a plumb condition essential for proper operation.

Figure 9

INSTALL SWING OUT (SO) PANEL

Adjust bottom pivot height if necessary. Nominal gap at bottom of door is ¼". Check 90° swing for interference.

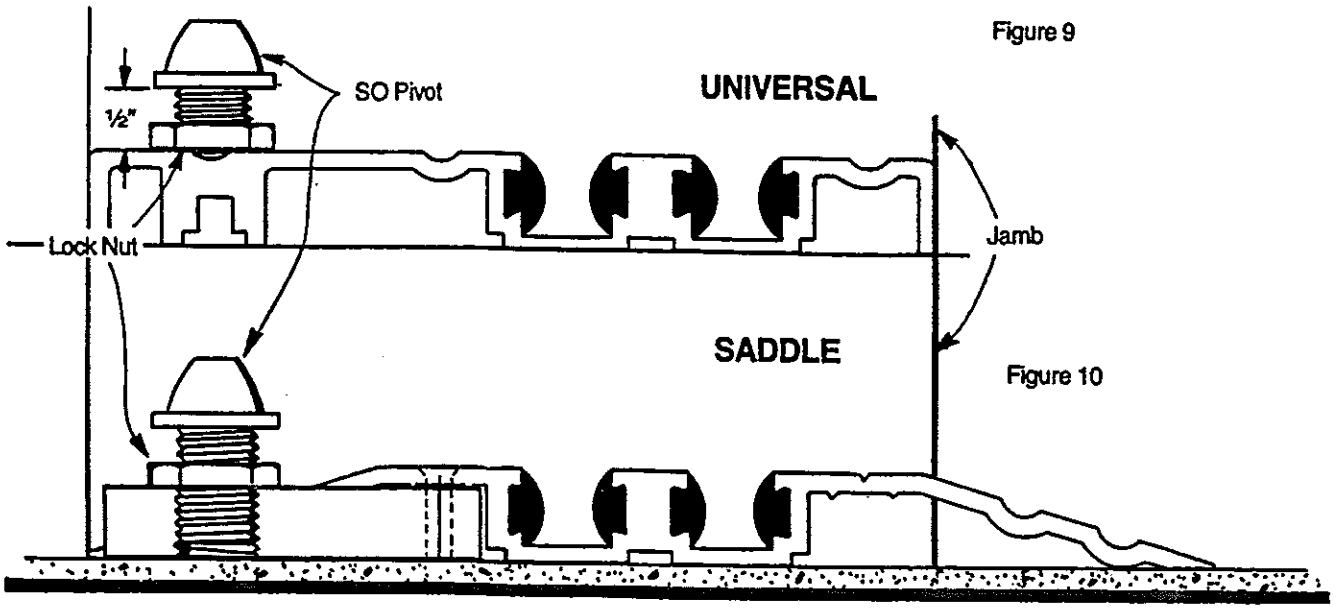


Figure 10

ALL PANELS–SET BOTTOM SWEEP LOCATIONS

SURFACE MOUNTED DOOR PACKAGE

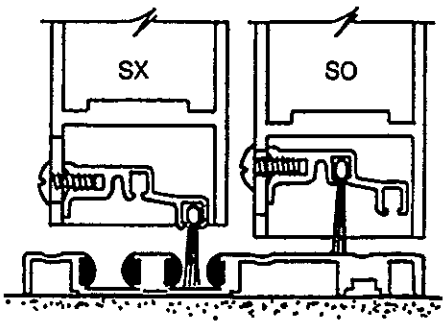
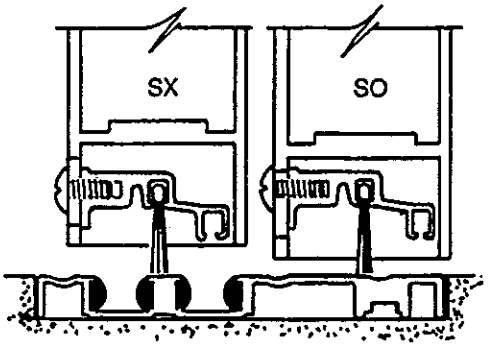


Figure 11

RECESSED DOOR PACKAGE



The bottom sweep is shipped in the upper position on the (SX) door. If you have a surface mounted installation, it will be necessary to remove the sweep and position it in the lower slot of the extrusion. After repositioning the sweep, stake it in place.

INSTALL SWING OUT (SO) PANEL

1. Feed Holding Beam wires through header torque tube.
2. Swing panel into position.
3. Set and lock top pivot. Set SO Top Pivot flush with top of door.

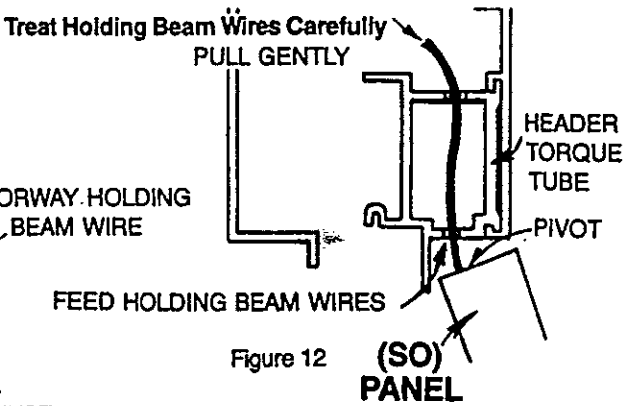
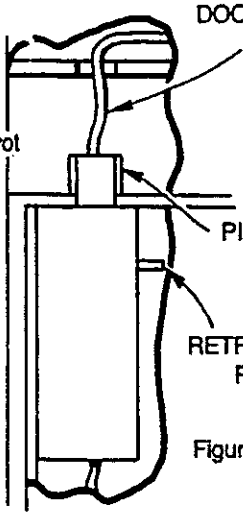


Figure 12

To **Retract** for Panel installation or removal:
- –loosen locking screw
- –push pivot pin down (if door is installed, push on pivot retracting pin with the door in 90° open position)
- –set with locking screw

To **Extend** Pivot for panel installation:
- –feed wires thru hole in header while lining up pivot
- –loosen locking screw
- –pivot snaps up and fully engages header hole
- –pull up on retracting pin if necessary
- –set locking screw



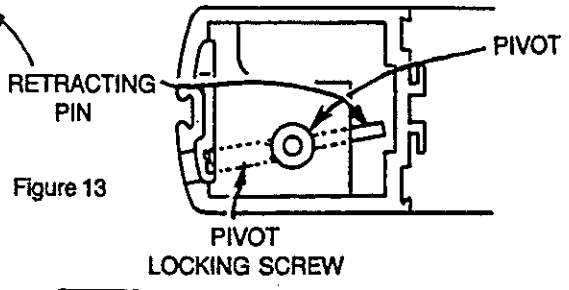
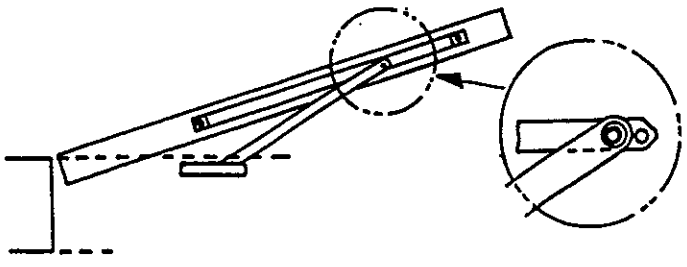


Figure 13

Attach and Adjust door holders.

S.O. Panel(s) are equipped with adjustable friction door holders
1. Remove holder tape from holder arm.
2. Fasten holder arm to header with special shoulder screw.
3. Adjust door holder for resistance

Note: Door drag increases as door swings to 90° so check adjustment with full swing.



S.O. Panel(s) are equipped with magnetic reed Break Out Switches,
NO ADJUSTMENT IS REQUIRED
1. Be sure switches are wired to proper terminals of connector board.

TEST SWITCH

When door is in closed position–the switch is also closed due to the influence of the magnet.

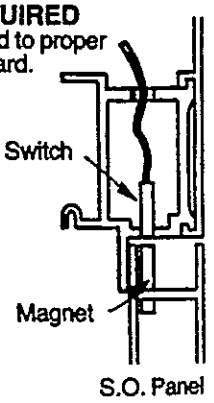


Figure 14

INSTALL (SX) SLIDING PANEL

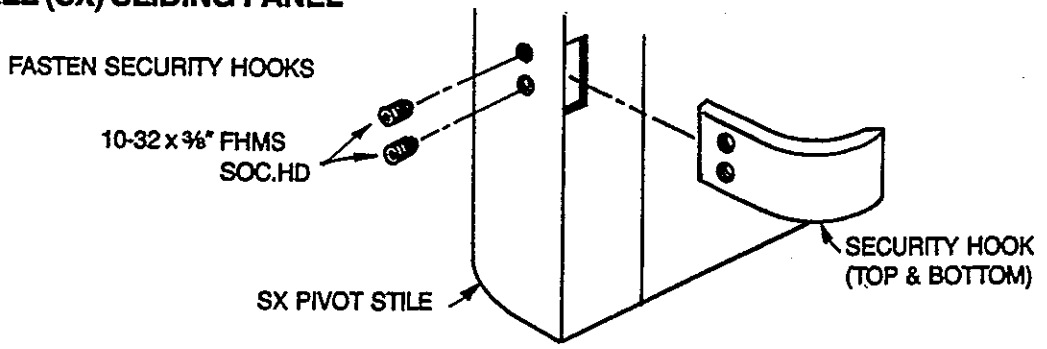


Figure 15

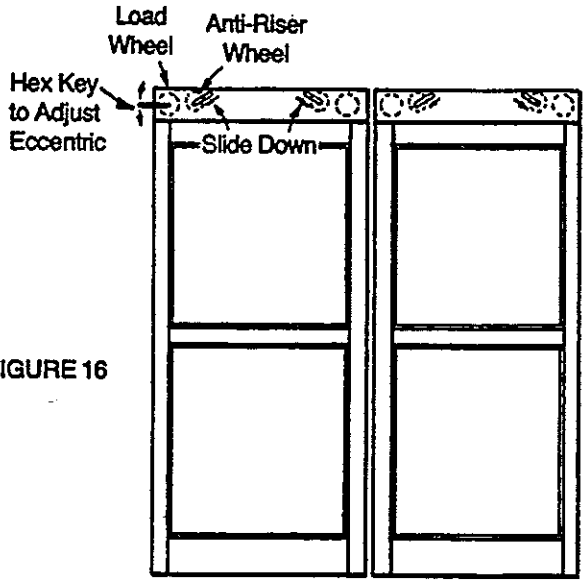


FIGURE 16

Loosen nuts and adjust load wheels to lowest position in hanger. Tighten load wheel nuts. This adjustment will set the panel to its highest position--to ease bottom guide insertion and keeps antirisers from interfering while hanging panel.

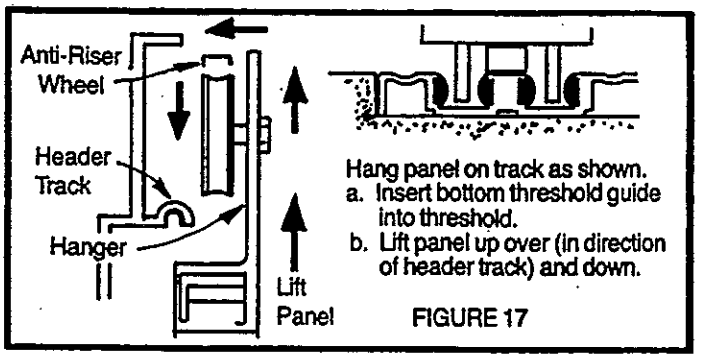


FIGURE 17

ADJUST SX PANEL(S)

1. Height adjustment.
   a. Loosen load wheel nuts and turn with hex key
   b. The gap between SX panel(s) and threshold is adjustable from ¼" to ½"
   c. The lead stile(s) should meet with no gap top or bottom.
      B1-Part--meet opposite SX panel.
      Single slide--meet jambs.
   d. When adjustment is complete tighten load wheel nuts.
2. Anti-Risers
   a. Slide anti-risers up in their slots 1/64" to 1/32" clearance to track.
      A match book cover inserted between wheel and anti-riser track makes a handy gauge.
   b. Tighten nuts.

—CAUTION—

For Proper Adjustment Use:
- **HEX** nut for locking
- **ALLEN** for height adjustment only
- **CHECK GAP** at anti-riser AFTER final tightening

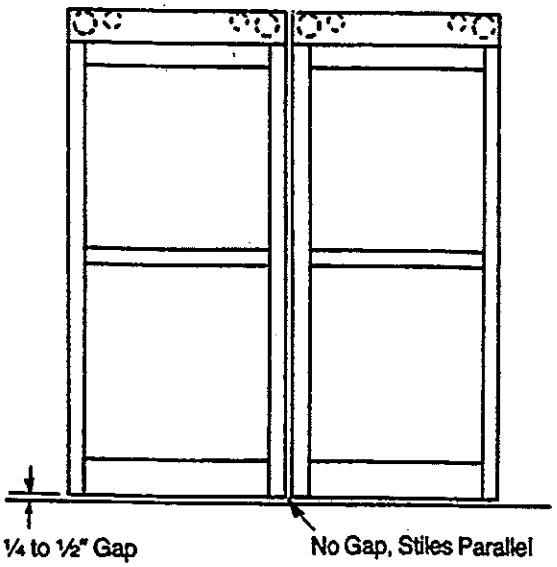


FIGURE 18

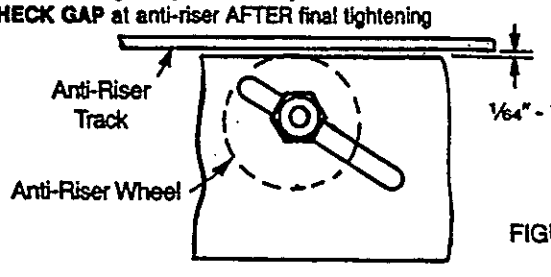


FIGURE 19

INSTALL (SX) SLIDING PANEL (cont.)

Fasten belt brackets to hangers.

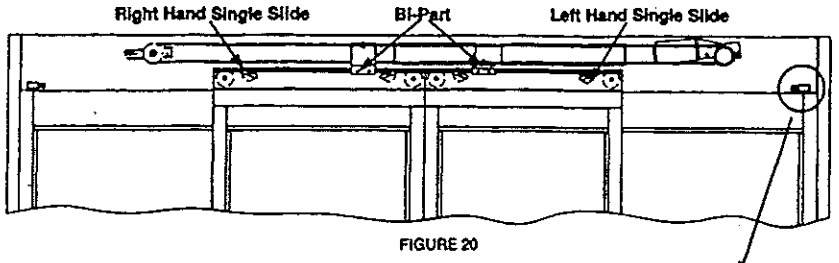


FIGURE 20

Adjust full open bumper stops on bi-parts to be sure the two panels hit their stops simultaneously.

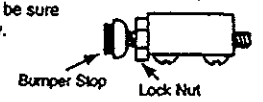


FIGURE 21

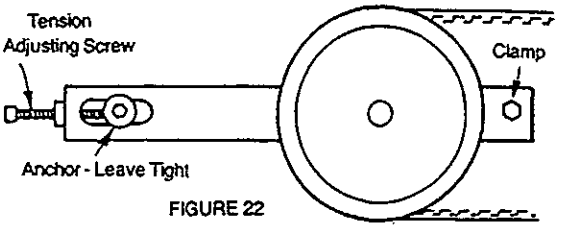


FIGURE 22

Belt Tension Belt tension is factory set and should not need adjustment.

DO NOT OVERTIGHTEN BELT

If the belt is set too tight, gear reducer or bearing failure can result.
Remember that this belt drive has a **long span** so some deflection is normal.

Symptoms of loose belt:
- belt hitting header, especially on recycle.
- drive pulley skipping on belt teeth
- belt almost "climbing" out of engagement with drive pulley on opening cycle.

Break Out Detents are factory set to average requirements. If more or less breakout force is required (up to 50 lb. by code):

a. Break out panel. Remove end cap.
b. Loosen (2) detent block set screws
c. Slide detent block from hanger
d. Adjust detent
e. Replace
f. Be sure detent block lines up with clearance slot in door.

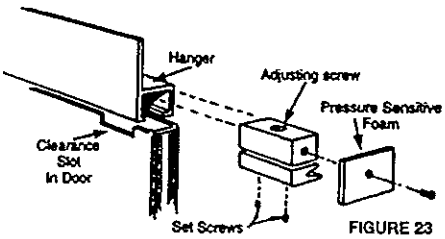
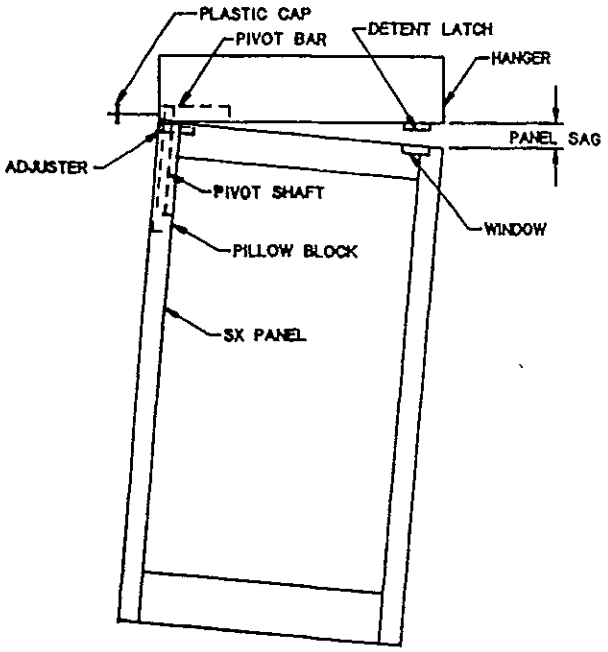


FIGURE 23

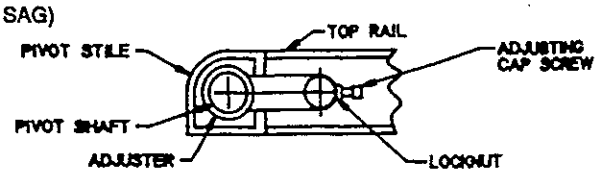
NOTE: The glazing material in both fixed and sliding panels of all sliding doors shall comply with the requirements in the performance specifications and methods of test for safety glazing materials used in buildings. ANSI Z 97.1 - 1975

SX PANEL SAG ADJUSTMENT



BE SURE TO HAVE GLASS IN PLACE BEFORE ADJUSTING

1. SWING PANEL TO ABOUT 10' OPEN.
2. LOOSEN DETENT LATCH ON HANGER.
3. LOOSEN PLASTIC CAP ON HANGER
4. ADJUST CAP SCREW (ALLEN WRENCH) FOR PROPER PANEL CONDITION (NO SAG)

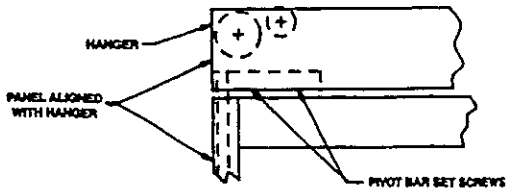


TOP VIEW OF SX PANEL

5. RE-SET LOCKNUT.
6. RE-ALIGN SX PANEL WITH HANGER.

THIS IS BEST DONE WITH THE PANEL SWUNG OUT TO 90°

7. LOOSEN PIVOT BAR SET SCREWS. SLIDE PIVOT BAR IN HANGER FOR ALIGNMENT.



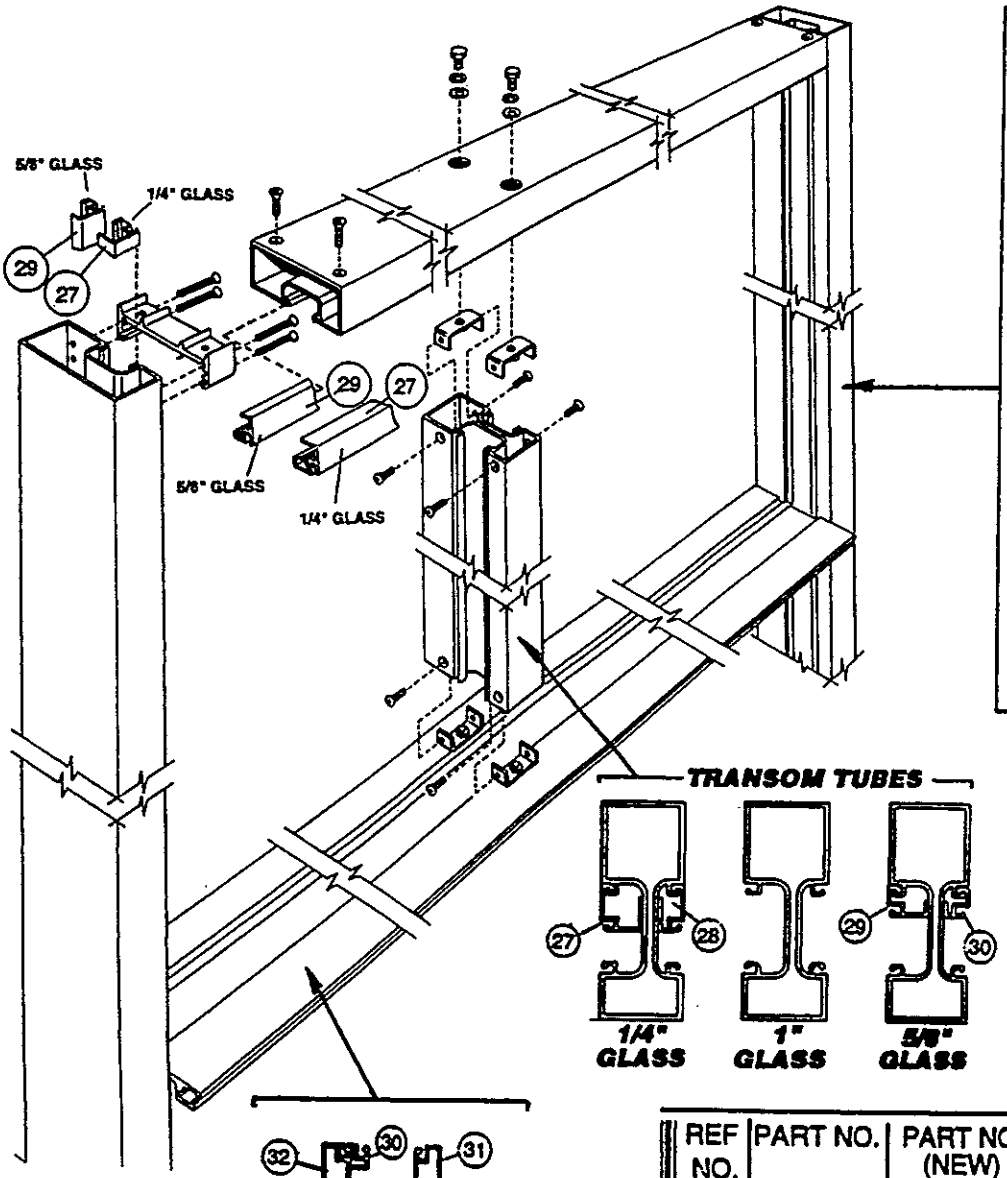
FRONT VIEW

8. RETIGHTEN SET SCREWS. SLIDE DETENT TO ALIGN WITH "WINDOW" TIGHTEN.
9. REFASTEN PLASTIC HANGER CAP.

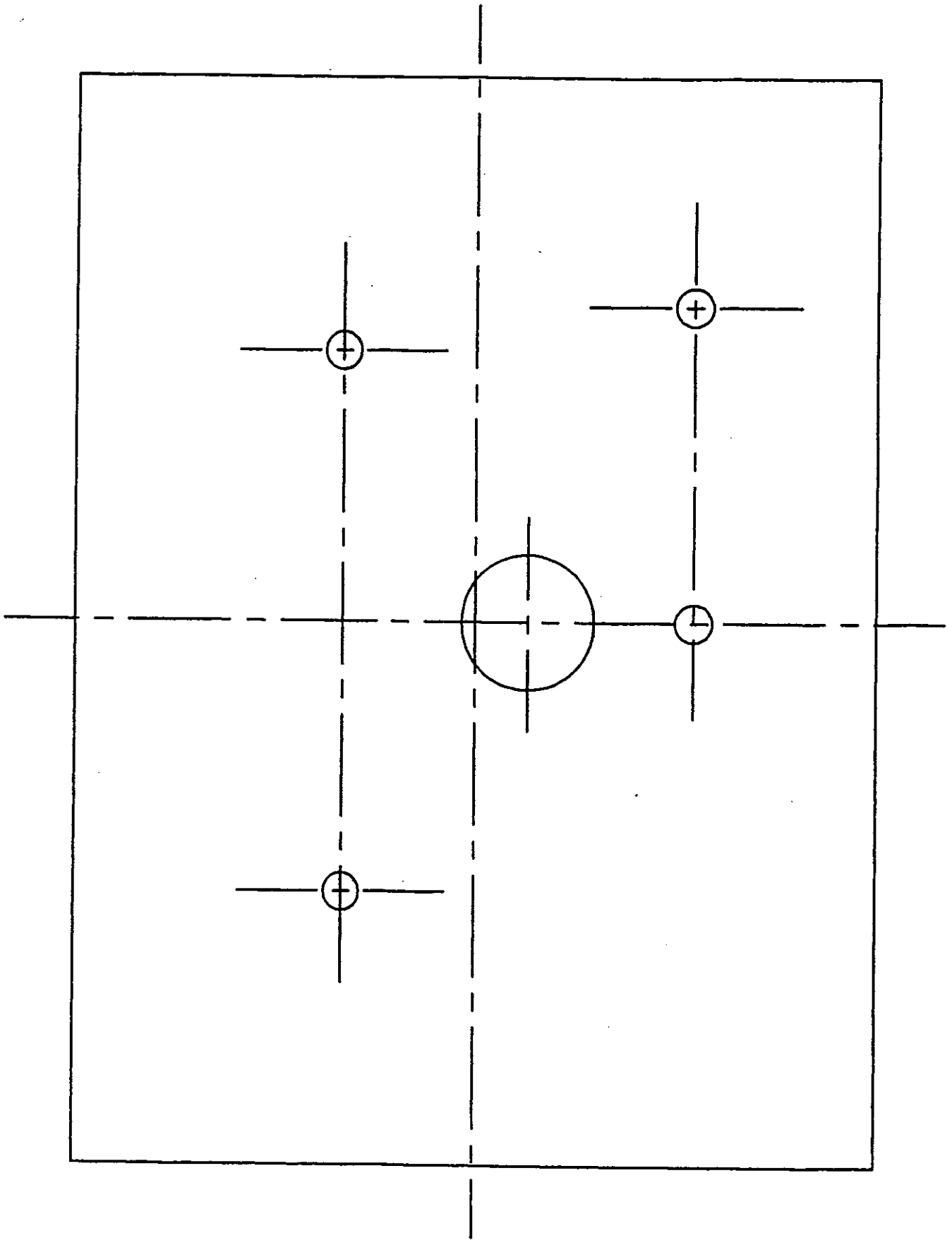
TRANSOM PACKAGE

IMPORTANT

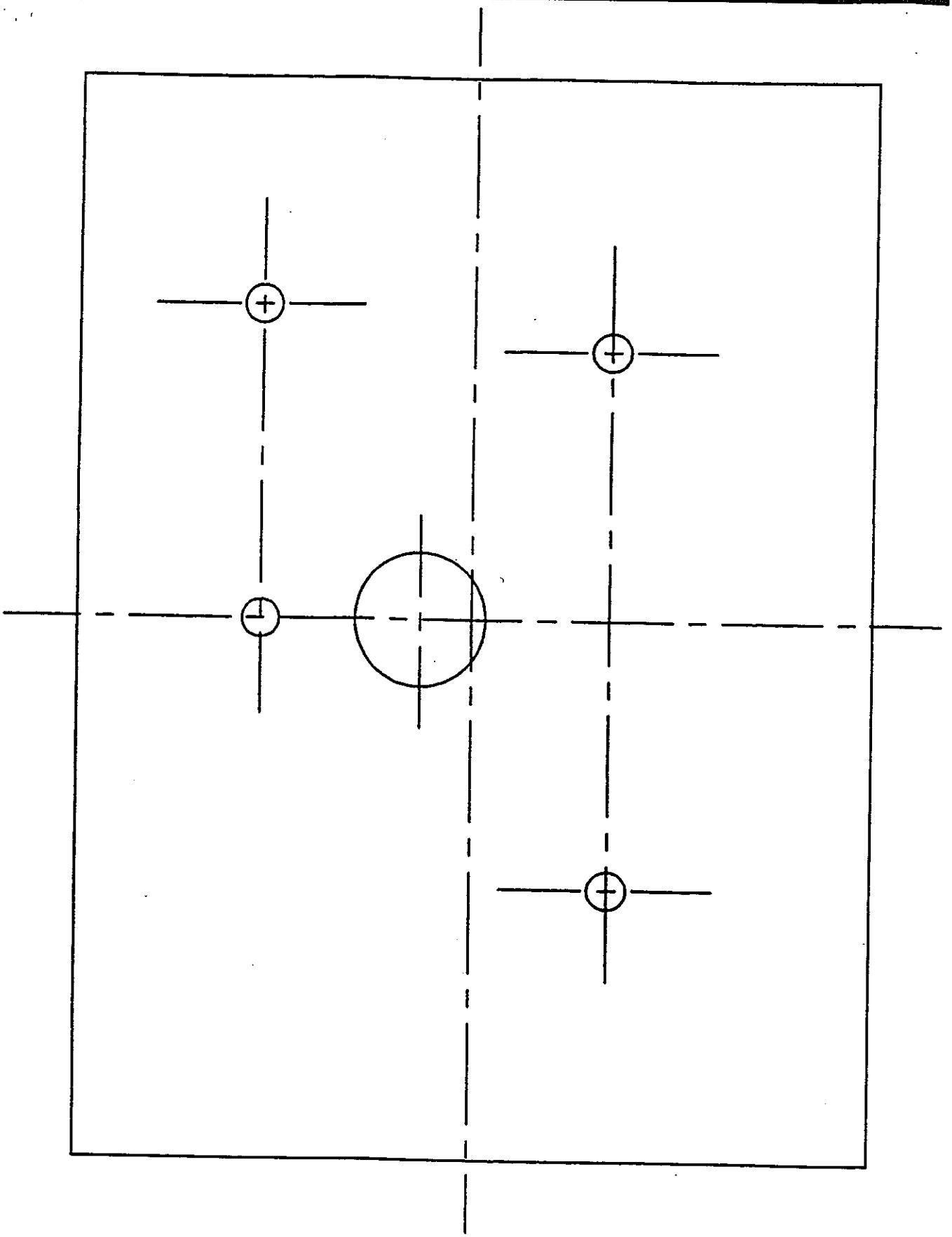
Install all glass extrusions, 27, 28 29, 30, in the transom tube and jamb tube **before** assembling the frame. These extrusions **can not** be installed after the frame is assembled.



REF NO.	PART NO.	PART NO. (NEW)	DESCRIPTION
21	412858		JAMB EXT.
22	313450		TRANSOM HDWE
23	313460		TRANSM TUBE HDW
24	412859		TRANSOM TUBE EXT
25	412860		INSERT EXT.
26	712794		GLAZNG GSKT EXT
27	413060		1/4"GLS STP ADAPT
28	413061		1/4"GLS STP EXT.
29	413102		5/8"GLS STP ADAPT
30	413103		5/8"GLS STP EXT
31	412861		GLASS STOP EXT.
32	412863		GUTTER EXT.
33	412862		GUTTER EXT.



DURA-GLIDE™ Header END BRACKET Template
(Left Hand, when viewed from cover side)



DURA-GLIDE™ Header END BRACKET Template
(Right Hand, when viewed from cover side)