8600 Premier Sliding Doorware System for Bi-Parting Doors

Part Number: 8600*

These installation instructions are for installing a door system prefablicated in accordance with the 8600 Biparting Door System Prefablication Instructions: IS-8600EZ-15A. Door builders should supply installation instructions if they differ from the recommended construction.

Prior to beginning installation, verify the following:

1. Opening size vs. door size supplied.
2. Door manufacturer shipped the nuts and washers to mount doors to trolley.
3. Door manufacturer shipped the bolts or studs and nuts for attaching the jambs and header to walls and the floor mounted door stop and all parts of door system.
4. All necessa,y components are at the jobsite to complete the specified system.
5. Door manufacturer shipped installation instructions for any option and feature that requires installation at the job site.

FIG. 1

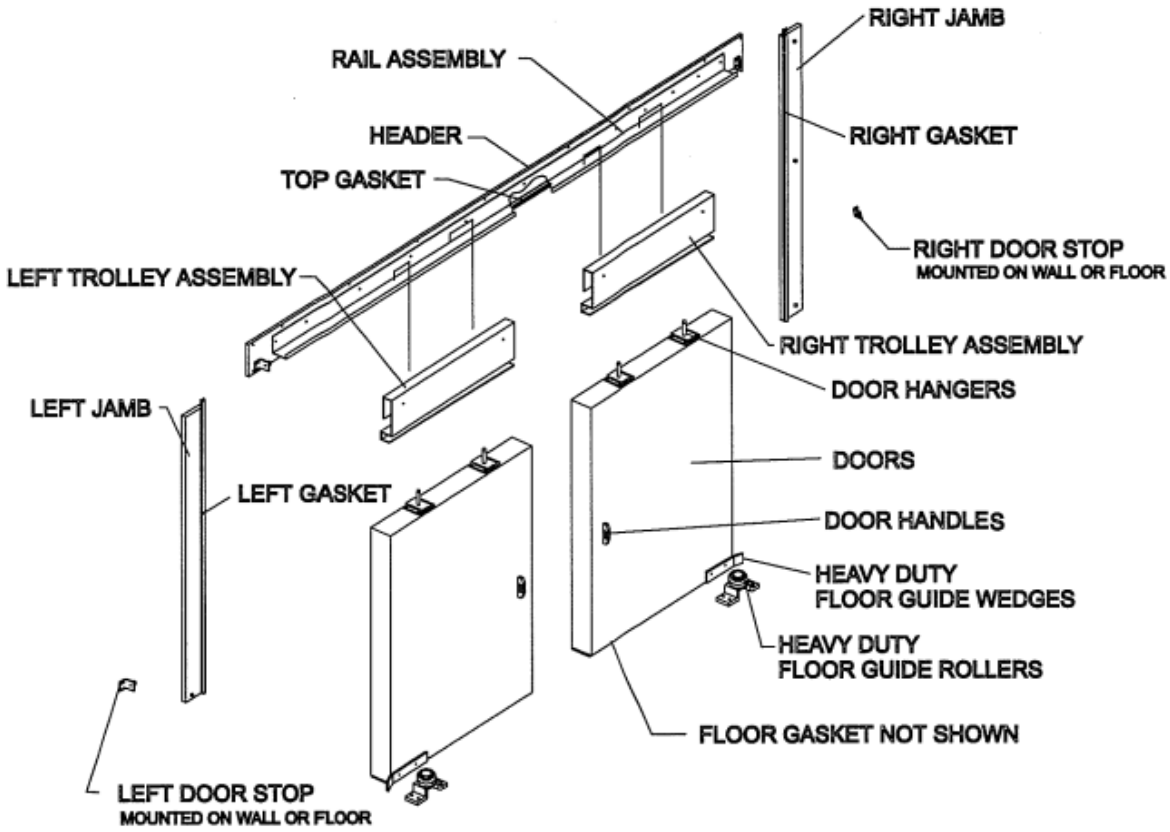

Fig. 1 shows the biparting door components ready to be installed on an opening.

Note: When installing large, heavy doors, an inside and outside header and jamb system is recommended to sandwich wall.

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FIG. 2-A

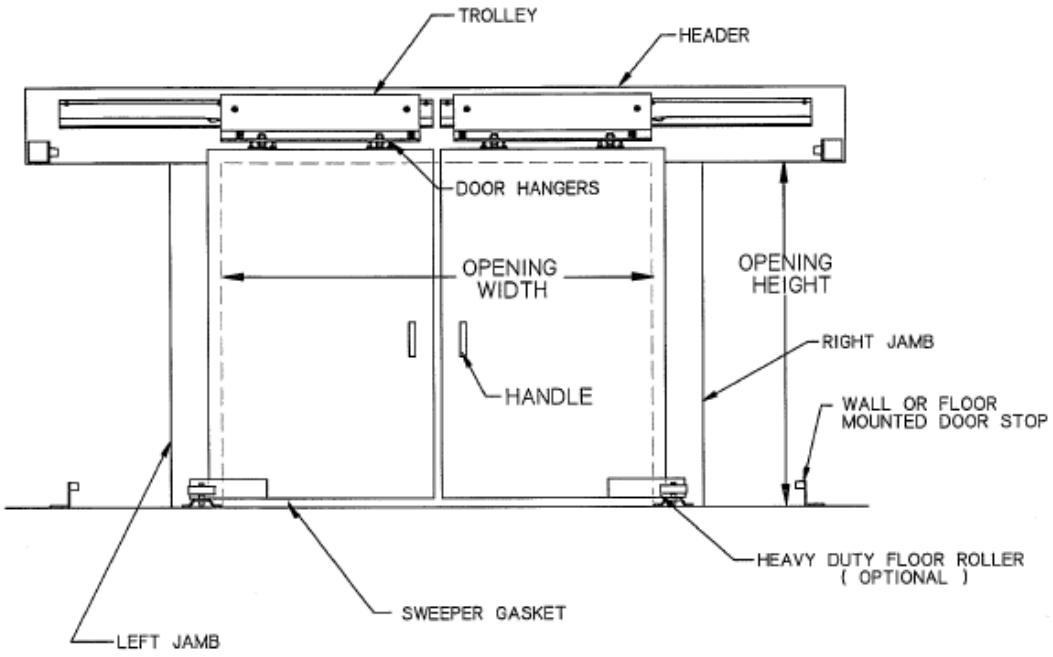

Fig. 2-A shows a completed biparting door installation

FIG. 2-B

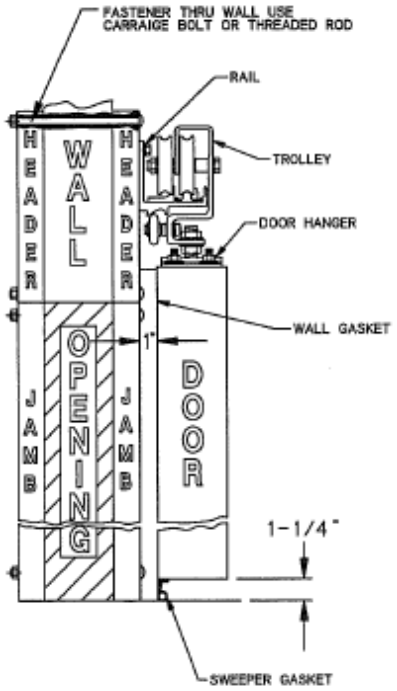

Fig. 2-B shows a side view of a completed biparting door installation in the closed door position. The door stops are not shown.

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INSTALLING JAMBS AND HEADER

Note: Header and jambs are attached to wall as shown in Fig. 3 using minimum 3/8" fasteners. Carriage bolts are recommended. Door manufacturer must supply fasteners to the door installer.

A. Installing Jambs

1. The inner edge of the jamb should be flush with the door opening. Attach the left jamb plumb with a minimum of three fasteners. Jambs must be attached to wall square with the floor.
2. Using only one bolt, attach the right jamb to the wall so it can be shifted to align with the header. The remaining bolts are to be installed after the header is set in place and checked for correct alignment.

B. Installing Header

1. Lift the header assembly using a forklift or other mechanical aid. Set the header on the top of the two jambs so it will be parallel with the floor. The header gasket channel must set tightly between the two gasket channels on the jambs for proper gasket sealing . Adjust position of right jamb as required.
2. Use a sufficient number of attachment bolts so the header is **FIRMLY** bolted to or through the wall.
3. Bolt right jamb with at least two more bolts.

C. Installing Kason Gaskets

1. Pull cut ends of header gasket over trimmed top ends of jamb gasket and fasten with No. 10 screws and washers.

Note: Prefabricated header with power drive unit not shown. The same installation procedure is required.

FIG. 3

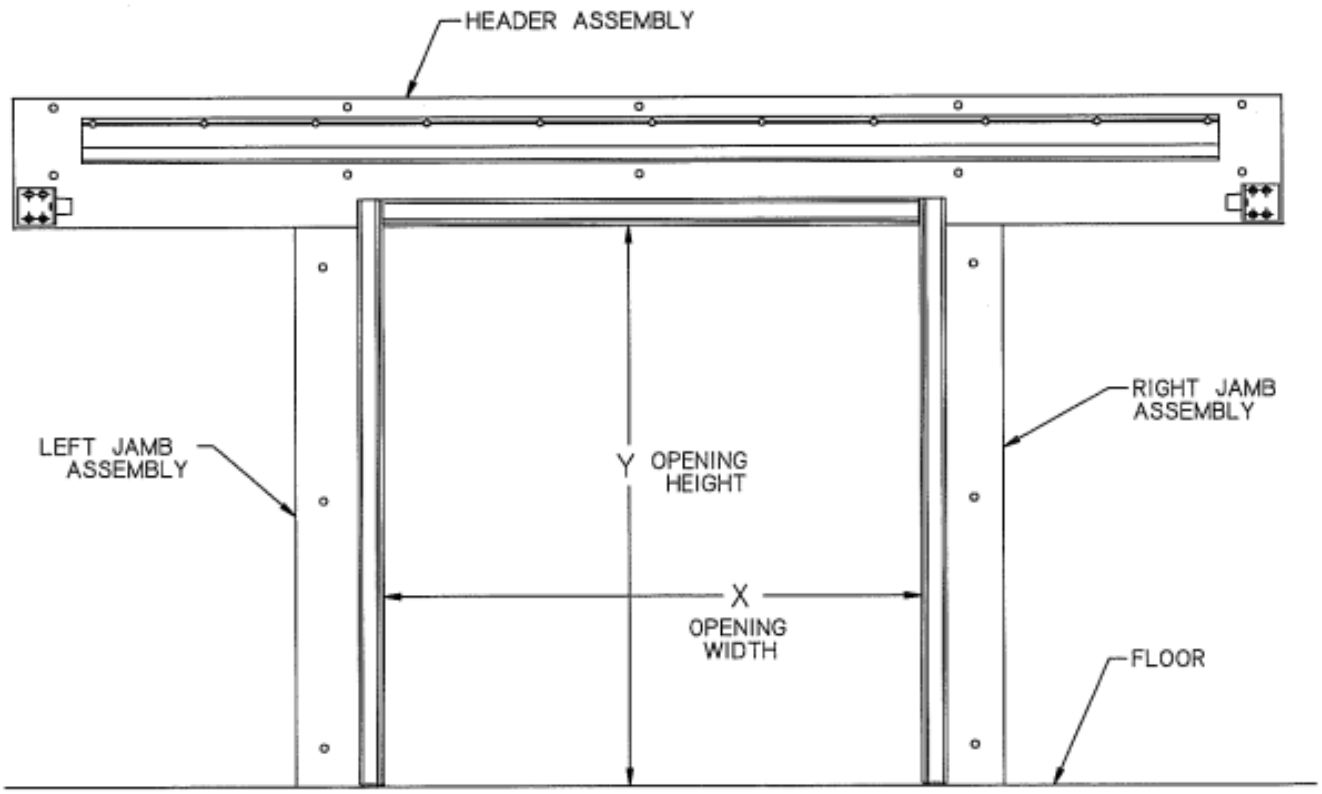

Fig. 3 shows the header and jamb installation centered over an opening.

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HANGING THE DOOR

A. Attaching Door to Trolley

1. Position trolley so that rollers are off the ramps on level track (See Fig. 4-A)
   Caution: Do not allow trolley to roll past end of rail, door can fall causing injury.
2. Locate door so that door hanger studs are aligned with mounting holes in trolley as in Fig. 4-A. Remove the top 3/4" jam nut and flatwasher from each hanger stud on the door. Raise door to insert door hanger studs to enter trolley holes by pivoting door into place as shown in Fig. 4-B below.
3. 3. Start washer and nut onto stud when enough thread clears trolley hole. Use 1 -1/4" block to support door.
4. Adjust door upward by turning nut until sweeper gasket clears floor by approximately 1/4" as shown in Fig. 4-B and Fig. 4-C.
5. Repeat procedure on other door.

B. Adjusting Door

1. Remove 1-1/4" block.
2. Slowly roll door to closed position so that rollers have just reached lower level on ramp as seen in Fig. 4-A.
3. Adjust door up or down by turning the up/down adjustment nut as seen in Fig. 4-C so that sweeper gasket just seals against floor along entire length of door, tighten lock nut.
4. Adjust door in or out by loosening hanger nuts as seen in Fig. 4-C and sliding door so that top interior face of door just seals against jamb gasket, avoid over compressing gasket, tighten all nuts.
5. Repeat procedures 1-4 on other door.
6. Adjust both doors for sensing edge sealing by turning the up/ down adjustment nuts as seen in Fig. 4-C. On tall narrow doors adjust so bottom of doors touch first.

FIG. 4-A

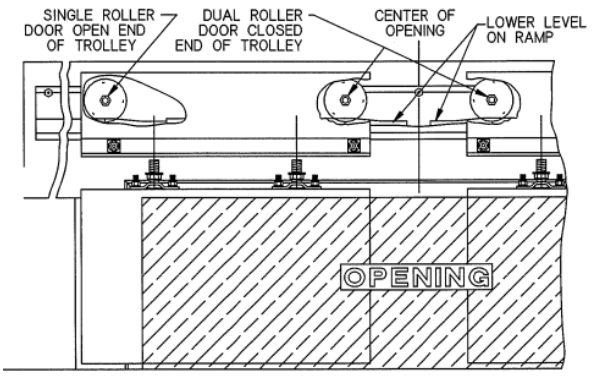


FIG. 4-B

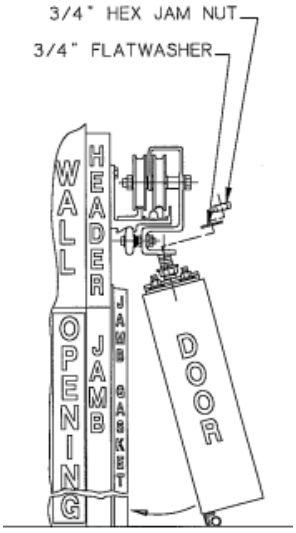
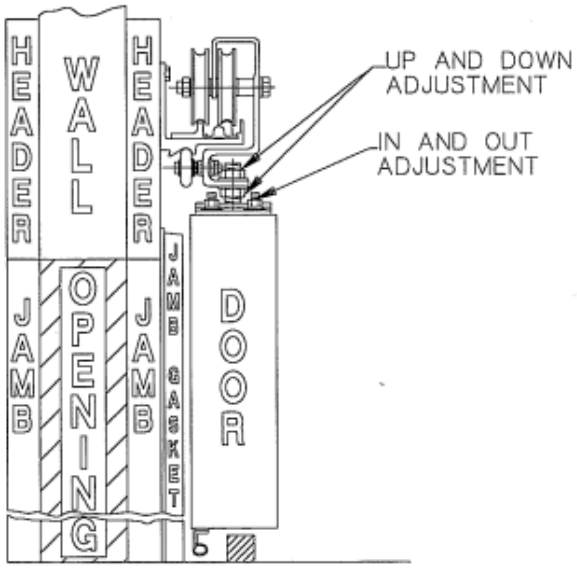


FIG. 4-C



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COMPLETING THE INSTALLATION

A. Mounting Open Side Lower Door Stop

1. With doors in open position and against top door stops, locate lower door stops.
   Note: Lower door stops can be mounted on floor as shown below in Fig. 5. or on wall if properly reinforced.
2. Fasten lower door stops to wall frame or floor using 3/8" fasteners.
   Warning: Door stops are required for safety of equipment and personnel.
3. Check installation by slowly moving doors from open to closed position

FIG. 5

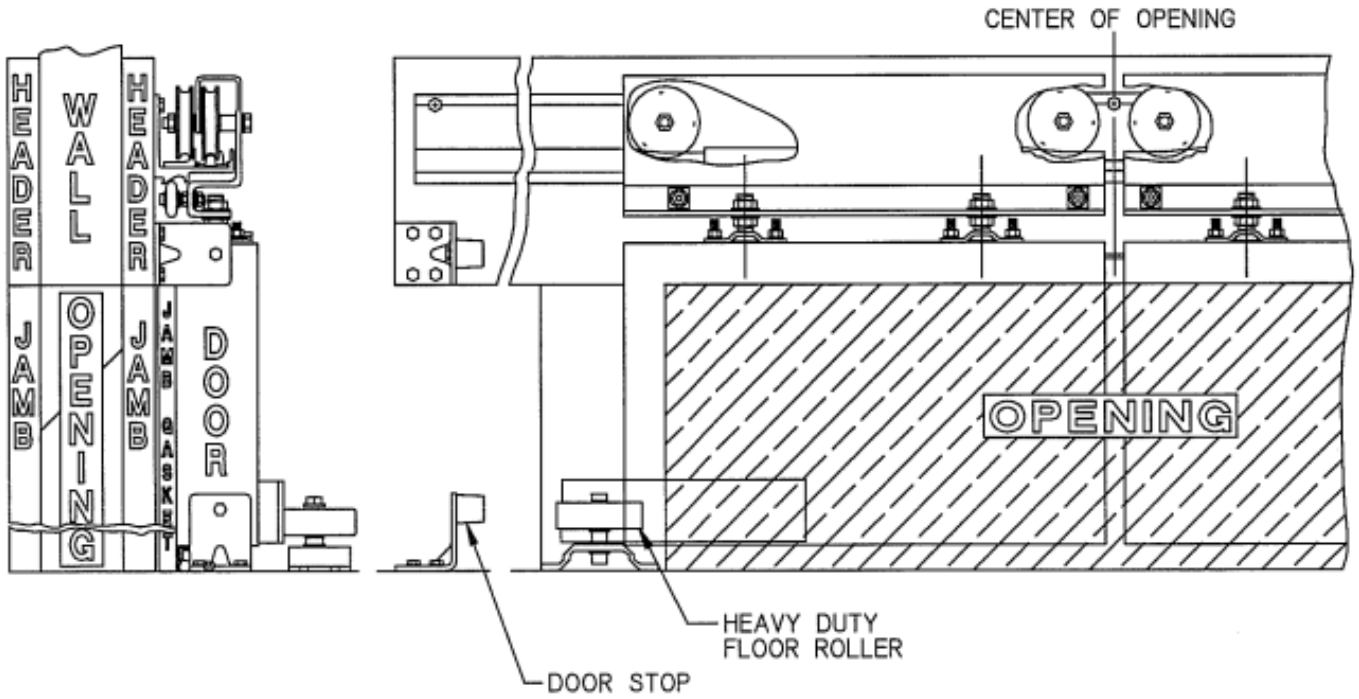

Fig. 5 shows the biparting door components installed on an opening.

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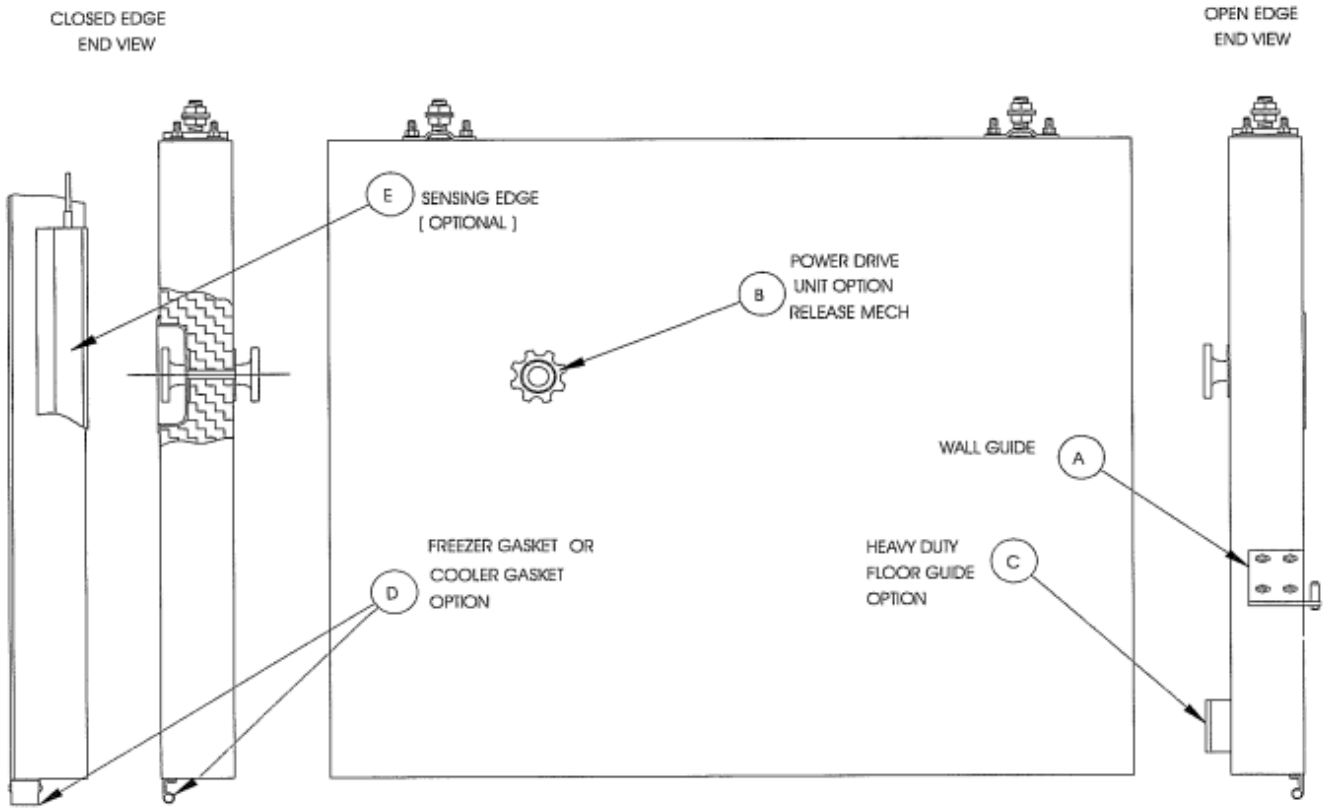
INSTALLATION OF OPTIONAL HARDWARE

1. Completing door installation may require job site installation of user selected doorware options.
   Note: Door manufacturer must provide door installers a copy of the installation instructions for any option that requires job site installation.
2. Installation instructions for most common options are listed below and shown in Fig. 6.

	Document	Description
A	IS-8000-18	Wall Guide
B	This Document	Power Drive Release Mech.
C	IS-8500-11	Heavy-Duty Floor Guide
D	IS-8600-34	Cooler and Freezer Gasket
E	IS-8600EZ-200	Power Drive Unit Sensing Edge
F	IS-8600-13	Dual Action Manual Biparting Kit (Not Shown)

FIG. 6



Note: Standard and heavy-duty floor guide roller is mounted on the floor.

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A. Attaching Cable to Chain Disconnect for Powered System

1. Unroll cable connected to outside release knob.
2. Pull loose cable end until nut is drawn tight to rod.
3. Route loose cable end upward through hole in lever arm of upper chain disconnect as shown in Fig. 7-A and Fig. 7-B.
4. Pull loose end of cable to take up slack.
5. Evenly tighten both screws to clamp cable in lever arm as shown in Fig. 7-A.
6. Test function by rotating knob, lever arm should pivot freely and return to at rest position when released.
7. Unroll cable connected to ring terminal on other door.
8. Pull loose cable end until nut is drawn tight.
9. Route loose cable end upward throughhole in lever arm of lower chain disconnect as shown in Fig. 7-A and Fig. 7-B.
10. Pull loose end of cable to take up slack.
11. Evenly tighten both screws to clamp cable in lever arm as shown in Fig. 7-A.
12. Test function bypullingcable, lever arm should pivot freely and return to at rest position when released.

FIG. 7-A

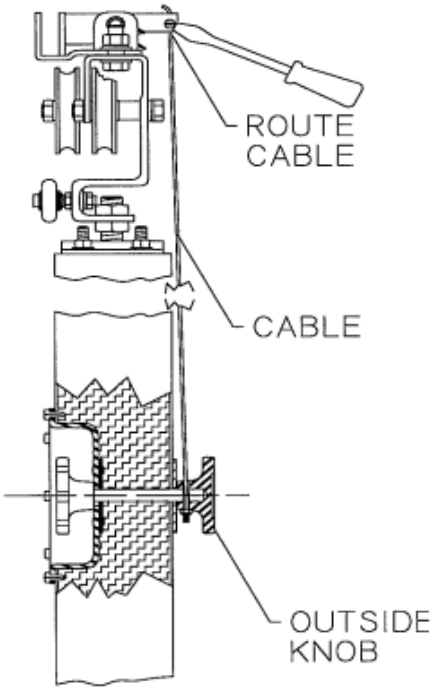
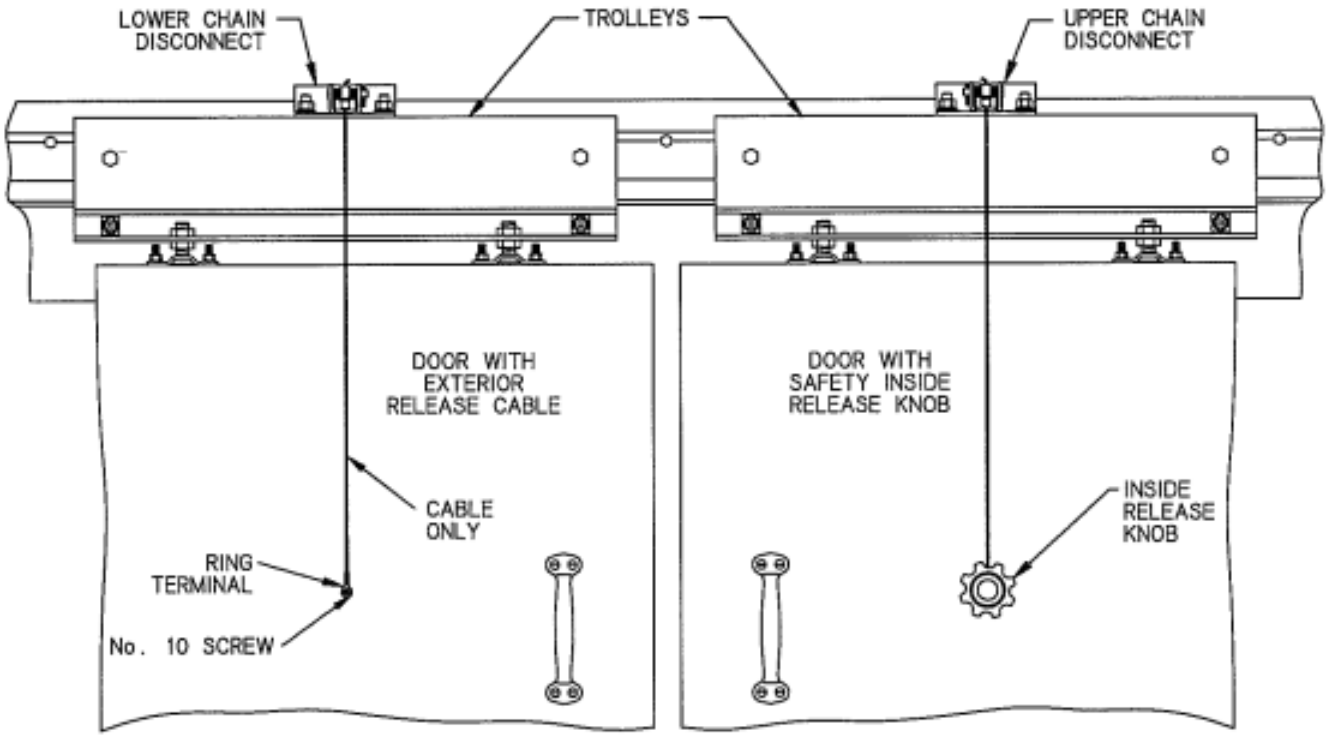


FIG. 7-B



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FINAL CHECKS AND ADJUSTMENT

A. Items to be Checked

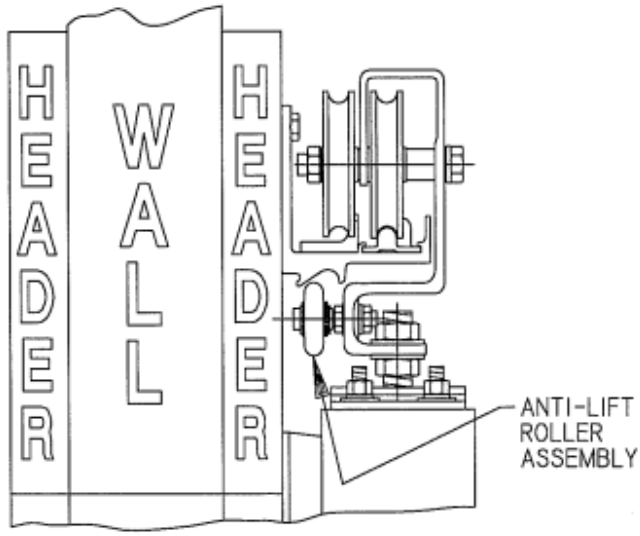
1. With door in closed position, check to see that sweeper gasket seals against floor.
2. Ensure that door face just contacts jamb gasket. Avoid over compressing jamb gasket.
3. Upper and lower door stops should contact door edge simultaneously in open position.
4. Factory installed anti-lift roller assembly may require adjustment if excessive binding is noted. See Section B below for adjustment details.

B. Adjusting Anti-Lift (Only if Required)

1. When door is closed Anti-lift Roller should be positioned so that it just clears angle on underside of rail as shown in Fig. 8-A.
2. With door open, Anti-lift Roller should just clear curved outer feature of rail as shown in Fig. 8-B.
3. Adjustment is made by loosening outer nut while holding inside nut with a wrench. Use a screwdriver and turn adjustment shaft to produce desired positioning, re-tighten outer nut.
4. When properly adjusted door will roll smoothly throughout the entire travel range, slight Anti-lift Roller contact may occur when dual roller is on highest bridge position.

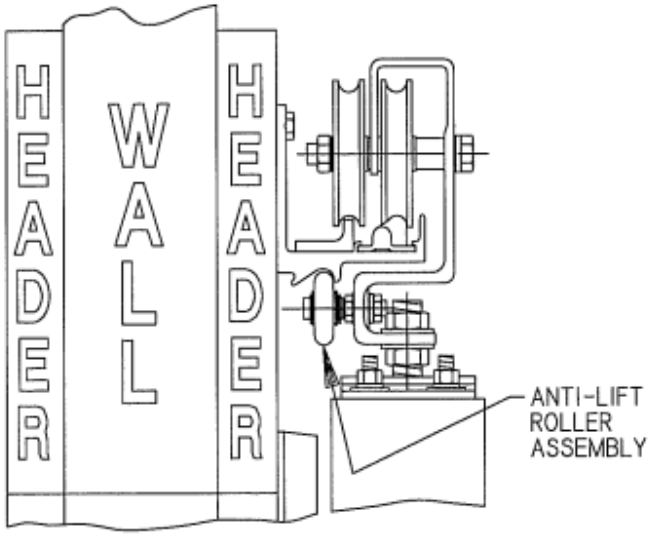
Note: For 8600EZ Power Drive item checks see IS-8600EZ-200.

FIG. 8-A



Door Closed

FIG. 8-B



Door Open

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TROUBLE SHOOTING GUIDE

A. Possible Problems and Solutions

1. **Problem**
   Door is hard to open. Gasket compression is too high.
   Solution
   Adjust door out from gasket, see page 4, Fig. 4-C.
2. **Problem**
   Doors do not roll smoothly or bind at open side of structure.
   Solution
   Check for interference with anti-lift roller assembly and adjust anti-lift roller assembly if required, see Fig. 8-A and Fig. 8-B on pg. 8.
3. **Problem**
   Trolley not parallel to the door (trolley not straight up and down) and anti-lift cannot be adjusted properly.
   Solution
   Add shim washers between door and hanger bracket to compensate for misalignment.
4. **Problem**
   Doors impact door stops on open side but doors are not fully open. Door stops are improperly located.
   Solution
   Relocate door stops. On powered door systems, doors should not be stopped by door stops. If door stops are in correct location, see Item No. 5 below.
5. **Problem**
   Doors are hard to close or do not fully close. Gasket compression is to high.
   Solution
   Adjust door out from gasket, see pg. 4, Fig. 4-C.
6. **Problem**
   Doors do not fully close. Bulb gaskets or sensing edges are rubbing against one another.
   Solution
   Adjust hanger position on door provide clearance.
7. **Problem**
   Bulb gaskets or sensing edges not sealing at bottom when fully closed.
   Solution
   Gasket compression greater at top, adjust to provide even contact.

Notes:

- Some tall, slender, and lightweight doors do not have sufficient weight to overcome gasket compression. Adjust doors so the bottom of the door closes before the top
- If necessary, system can be operated without ramps for heavy or tall doors. Ramps will have to be removed and replaced with track pieces
- For additional trouble shooting hints see instructions supplied with each user selected option

