

R Y T E C

Arctec®

Owner's Manual



P.O.Box 403, One Cedar Parkway, Jackson, WI 53037

Phone: 262-677-9046 Fax: 262-677-2058

Parts Fax: 262-677-6588

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WARRANTY

The Arctec High-Speed Door purchased by you (Buyer) should not be installed or operated before you read all associated product manuals explaining the proper method of installing, operating, and maintaining the equipment.

Rytec Corporation (Seller) warrants that the Arctec High-Speed Door (Product) sold to the Buyer will be free of defects in materials and workmanship under normal use for a period of twelve (12) months from the date of shipment of the Product from the Seller's plant. Electrical components are warranted for a period of ninety (90) days from the date of shipment. Door panel seals, jamb seals, and header seals are considered wear items and, as such, are not covered under this warranty. If within the applicable period any Products shall be proved to the Seller's satisfaction to be defective, such Products shall be repaired or replaced at the Seller's option. Such repair or replacement shall be the Seller's sole obligation and the Buyer's exclusive remedy hereunder and shall be conditioned upon the Seller receiving written notice of any alleged defect within ten (10) days after its discovery and, at the Seller's option, return of such Product to the Seller, f.o.b. its factory. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER REPRESENTATION AND WARRANTIES, EXPRESS OR IMPLIED, AND THE SELLER EXPRESSLY DISCLAIMS AND EXCLUDES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

PARTS AND ASSEMBLIES sold separately by Rytec Corporation that fail due to defects in material or workmanship within ninety (90) days from the date of shipment will be replaced under warranty provided installation has been carried out in accordance with all Rytec procedures. This warranty is limited to providing a replacement part only. This warranty does not cover freight, special charges, or any costs associated with the installation of the replacement part.

Any description of the Product, whether in writing or made orally by the Seller or the Seller's agents, specifications, samples, models, bulletins, drawings, diagrams, engineering or similar materials used in connection with the Buyer's order, are for the sole purpose of identifying the Product and shall not be construed as an express warranty. Any suggestions by the Seller or the Seller's agents regarding the use, application, or suitability of the Product shall not be construed as an express warranty unless confirmed to be such in writing by the Seller.

The Seller's liability with respect to the Product sold to the Buyer shall be limited to the warranty provided herein. THE SELLER SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW, WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY THE SELLER, OR ANY UNDERTAKINGS, ACTS, OR OMISSIONS RELATING THERETO. Without limiting the generality of the foregoing, the Seller specifically disclaims any liability for property or personal injury damages, penalties, special or punitive damages, damages for lost profits or revenues, services, downtime, shutdown, or slowdown costs, or for any other types of economic loss, and for claims of the Buyer's customers or any third party for any such damages. THE SELLER SHALL NOT BE LIABLE FOR AND DISCLAIMS ALL CONSEQUENTIAL, INCIDENTAL, AND CONTINGENT DAMAGES WHATSOEVER.

This warranty shall be void in its entirety if the failure of any product shall be caused by any installation, operation, or maintenance of the Product which does not conform with the requirements set forth by the Seller in the applicable product manuals or is the result of any cause other than a defect in the material or workmanship of the Product.

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INTRODUCTION

The information contained in this manual will allow you to operate and maintain your Rytec Arctec® Door in a manner which will ensure maximum life and trouble-free operation.

Any unauthorized changes in procedure, or failure to follow the steps as outlined in this manual, will automatically void our warranty. Any changes in the working parts, assemblies, or specifications as written that are not authorized by Rytec Corporation will also cancel our warranty. The responsibility for the successful operation and performance of this door is yours.

DO NOT OPERATE OR PERFORM MAINTENANCE ON THIS DOOR UNTIL YOU READ AND UNDERSTAND THE INSTRUCTIONS CONTAINED IN THIS MANUAL.

If you have any questions, contact your Rytec representative or call the Rytec Customer Support Department at 800-628-1909. Always refer to the serial number of the door when calling your representative or Customer Support. The serial number plate is located inside one of the side panels.

A wiring schematic is provided with each individual door specifically covering the control panel and electrical components of that door. See the Rytec System 3 Drive & Control Installation & Owner's Manual.

DOOR SERIAL NUMBER(S)

To obtain your door **DOOR SERIAL NUMBER**, there are three universal locations where this information can be found. These are at the inside of either side panel (approximately eye level), on the drive motor, and on the inside door of the System 3 control panel. (See Figure 1.)

IMPORTANT: *When installing multiple doors of the same model but in different sizes, verify the serial number in the control panel with the one in the side panel.*

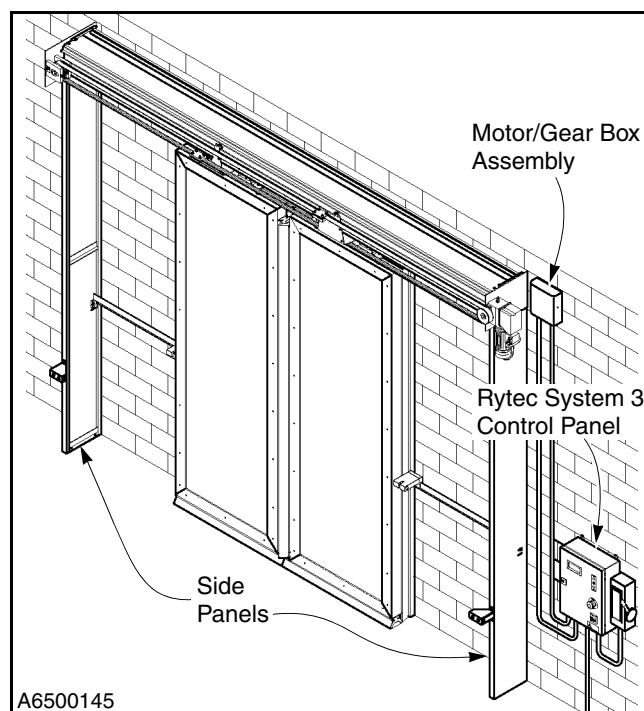


Figure 1

HOW TO USE MANUAL

Throughout this manual, the following key words are used to alert the reader to potentially hazardous situations, or situations where additional information to successfully perform the procedure is presented:

⚠ WARNING

WARNING is used to indicate the potential for personal injury, if the procedure is not performed as described.

⚠ CAUTION

CAUTION is used to indicate the potential for damage to the product or property damage, if the procedure is not followed as described.

IMPORTANT: **IMPORTANT** is used to relay information **CRITICAL** to the successful completion of the procedure.

NOTE: **NOTE** is used to provide additional information to aid in the performance of the procedure or operation of the door, but not necessarily safety related.

INTRODUCTION—GENERAL ARRANGEMENT OF DOOR COMPONENTS

GENERAL ARRANGEMENT OF DOOR COMPONENTS

Figure 2 and Figure 3 show the location of the major components of the door and the general placement of the associated control sub-assemblies for a typical installation.

These illustrations are provided to you for informational purposes only. They should not be solely relied upon for the operation and maintenance of your door and its sub-assemblies.

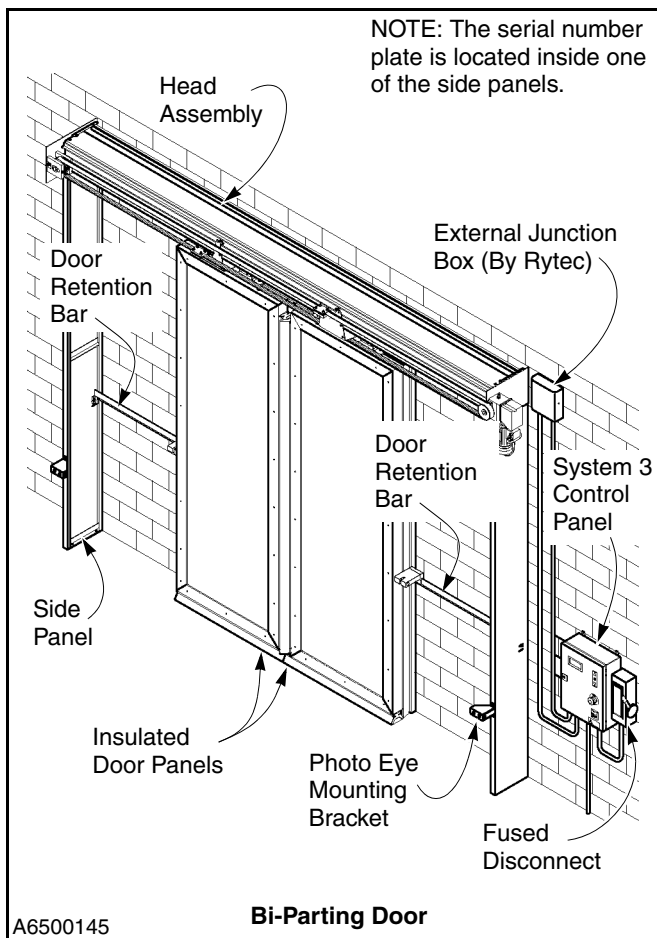


Figure 2

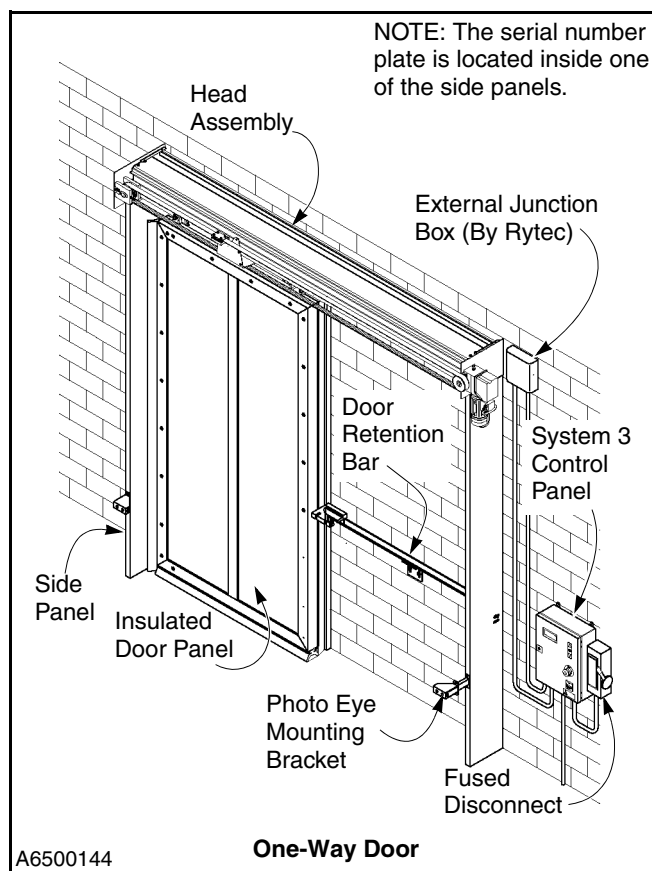


Figure 3

NOTE: Figure 2 and Figure 3 show the front side of the door. Left and right are determined when viewing the front side of the door.

OPERATION

CONTROL PANEL

The Arctec door is equipped with a Rytec System 3 Drive & Control. This is a solid-state, micro-processor-based, high-speed door control. It provides a means for programming and controlling the door and displays status and alarm messages. See the Rytec System 3 Drive & Control Installation & Owner's Manual.

POWER DRIVE SYSTEM

The power drive system for the Arctec door consists of a motor, a gearbox, and an electric brake. The power drive system can be mounted on either end of the head assembly. The location of the drive system was determined at the time the door was ordered from the manufacturer. Additional drive components include an idler assembly, a drive belt, and a pair of trolleys. (See Figure 4.)

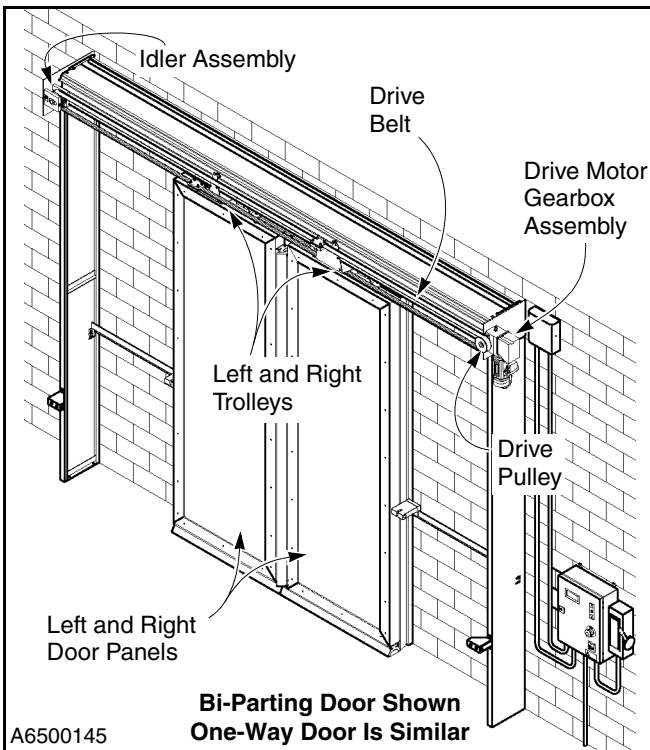


Figure 4

The electric brake is used to halt the door if power to the door is shut off for any reason. A manual brake release switch connected to a pull cord (or cable) is provided to override the brake to allow the door to be manually opened or closed during a power failure or when routine maintenance calls for power to be disconnected.

One end of the drive belt is connected to the drive pulley on the motor. The other end is connected to an idler assembly that includes an adjustable pulley used to tension the drive belt.

The door panel(s) hang(s) from a trolley connected to the drive belt. The trolley(s) roll along a track built into the head assembly to move the door panel(s) back and forth to open and close the door. The track is designed so that just prior to the door reaching the fully closed position, the door panel(s) will drop down to seal tight against the floor.

On double-panel systems, the drive belt moves the trolleys toward each other to close the door or away from each other to open the door.

MANUAL OPERATION

When the motor is not operating the door, the motor is automatically locked in place by an electric brake that, in turn, locks the door. To override the brake to manually move the door during a power loss or when routine maintenance calls for power to be disconnected, the electric brake can be controlled by a brake release handle located near the end of the drive motor assembly.

A pull cord (or cable) connected to the brake release handle makes it possible to quickly and conveniently release the brake from a remote location adjacent to the door. (See Figure 5.)

Pulling the cord will disengage the electric brake to allow you to manually move the door. Releasing the cord will re-engage the brake to lock the door in its current position.

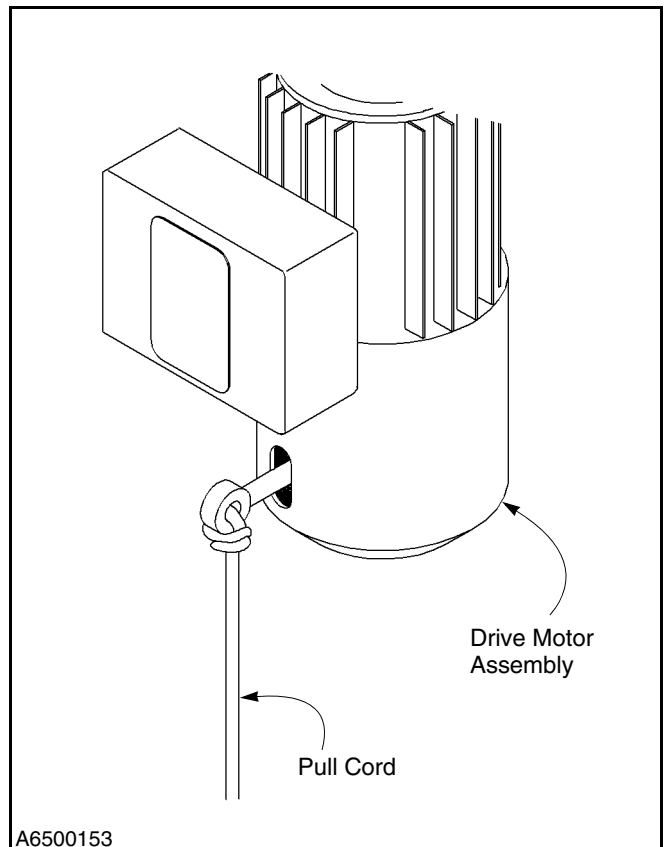


Figure 5

OPERATION—PHOTO EYES

PHOTO EYES

This safety system consists of an emitter photo eye and a receiver photo eye. Each is mounted in a heavy-duty bracket installed along the front edge of its respective side panel. The emitter is mounted on the left panel, the receiver on the right panel. (See Figure 6.)

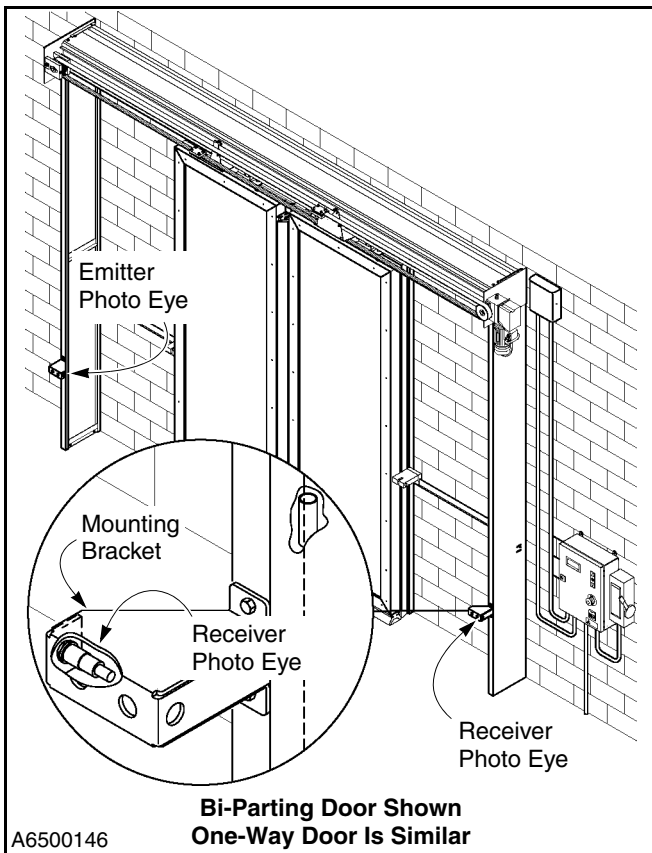


Figure 6

When the door is open and an object breaks the beam of light that is transmitted from the emitter to the receiver, the door will remain parked in the open position until the beam is restored (object removed). If the door is closing when the beam of light is broken, the door will immediately reverse direction and move back to the fully open position, where it will remain parked until the beam is restored (object removed).

After the object breaking the beam of light is removed:

- If the door was opened by a non-automatic activator (push button, pull cord, radio control, etc.), the door will remain open until it is closed by a non-automatic activator.
- If the door was opened by an automatic activator (floor loop, motion detector, etc.), the door will close automatically.

IMPORTANT: *The photo eyes are not intended to be used as a door activator and will not open the door when it is closed.*

The photo eyes are receiving power when the power indicator on each eye is green. The eyes are aligned when the alignment indicator on the receiver (right photo eye) is yellow. When the beam of light is interrupted, the alignment indicator will go out. Restoring the beam relights the indicator. (See Figure 7.)

Also, the receiver includes two small adjustable switches. Under most conditions, each switch is set fully clockwise.

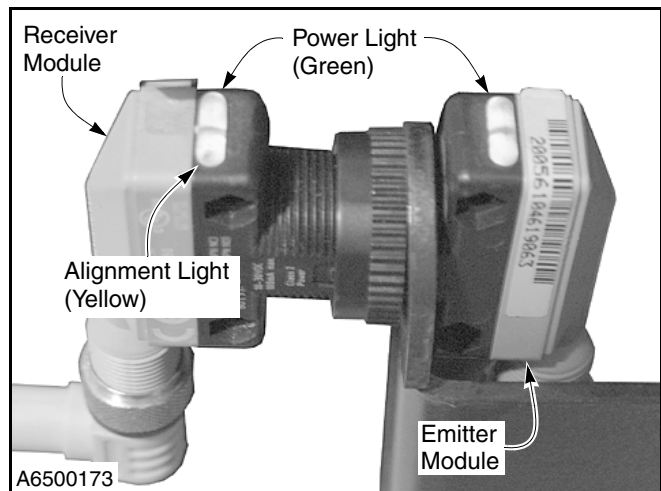


Figure 7

DOOR RETENTION SYSTEM

The door retention system is designed to secure the panels during a negative pressure situation. It is also designed to reduce the chance for damage to the door if an object, such as a forklift, runs into a panel. Each panel is connected to a retention assembly consisting of a retention bar and a retention block. (See Figure 8.)

The door retention system is designed to automatically reset on the next open and close cycle should either door panel retention block become disconnected from the retention bar.

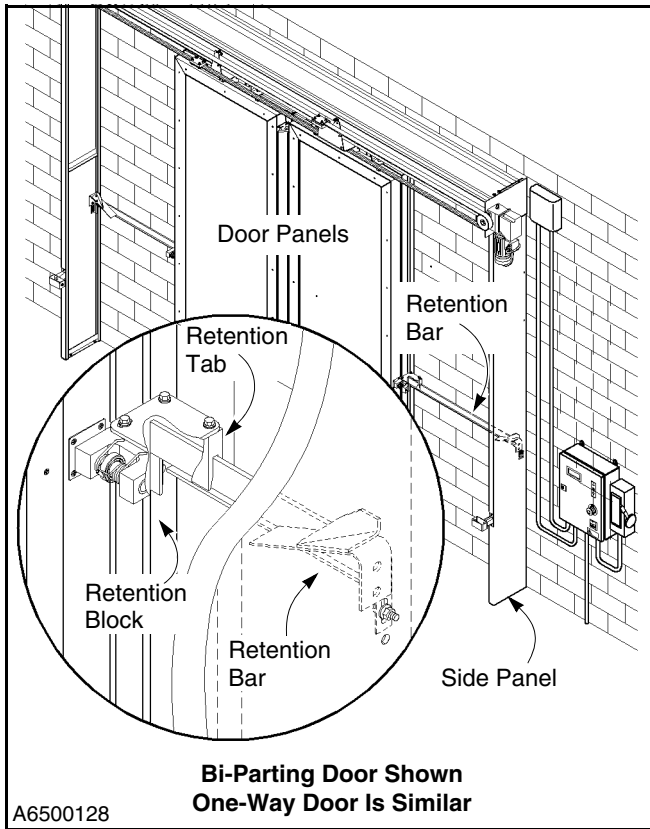


Figure 8

DEFROST SYSTEM (OPTIONAL SYSTEM)

NOTE: On one-way doors, there is only one heat tape. (See Figure 10.)

The optional defrost system is designed to help prevent frost build-up on the door frame and head assembly. A door configured with a defrost system includes a heat tape circuit and a heated unit.

Heat Tape Circuit

The heat tape circuit is installed around the door opening and consists of two self-regulating heat tapes. These tapes pass under the aluminum brackets that support the jamb and header seals that surround the door opening. Each tape runs along the entire vertical length of its respective jamb frame and halfway across the header frame. From a hole drilled in the header frame, each tape is routed to the junction box located in the bottom of the head assembly. (See Figure 9 and Figure 10.)

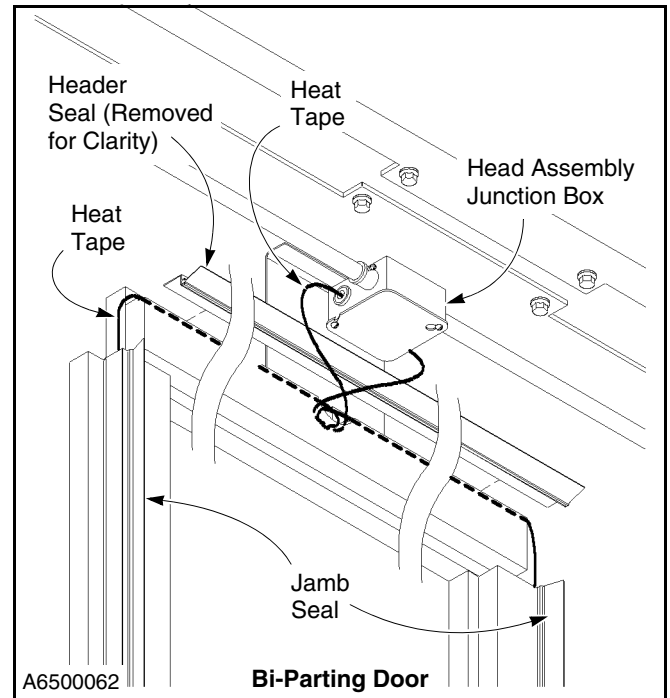


Figure 9

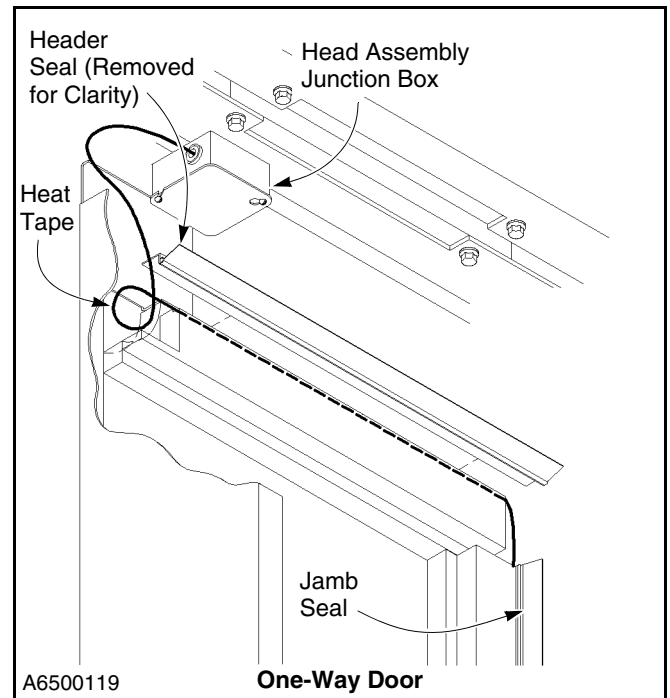


Figure 10

The heat tape circuit is designed to help prevent frost from building up along the aluminum brackets supporting the rubber seals. The heat tape also helps keep the rubber seals pliable in a cold environment to maintain a tight barrier between the door and the wall.

When this self-regulating circuit is powered up, the exposed lengths of heat tape running from the header seal to the junction box will be warm to the touch.

PLANNED MAINTENANCE—RECOMMENDED SCHEDULE

Heated Unit

The heated unit consists of the head assembly with a blower installed at one end, two heaters installed inside, and three thermostats. The blower is designed to circulate warm air through the head assembly to help prevent frost build-up along the length of the head assembly. The blower is located at the end of the head assembly, opposite the drive motor assembly. (See Figure 11.)

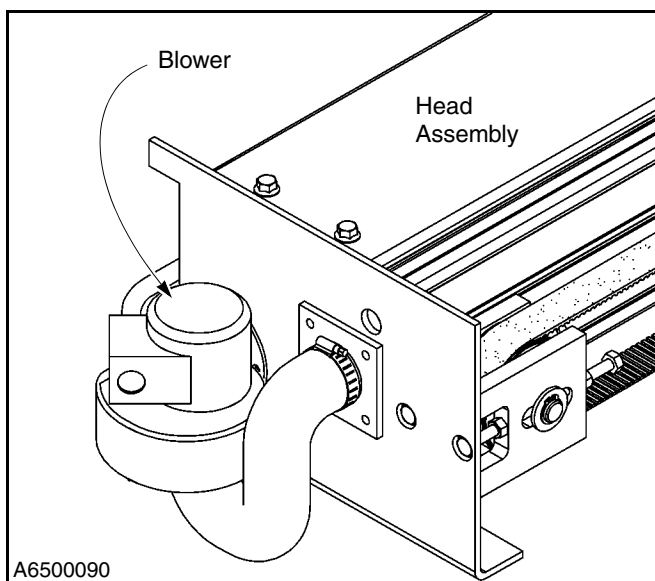


Figure 11

To circulate warm air through the head assembly, the blower is connected to a U-channel integrated into the head assembly, creating a built-in air duct. One end of this air duct is connected to the output side (warm side) of the blower. The intake side of the blower is connected to the other end of the U-channel.

The blower is on continuously, provided the door has power (power disconnect switch in the ON position). The heaters are controlled by three non-adjustable thermostats in series, sensing the surface temperature of the head assembly extrusion as follows:

- two (one at each heater)
- one at the blower intake

Both heaters will go off when any one of the thermostats senses that the temperature is too hot.

PLANNED MAINTENANCE

RECOMMENDED SCHEDULE

NOTE: The following maintenance schedule is recommended for the Rytec Cycle-Plus™¹ maintenance program. (See Table 1.)

Table 1

	Daily	Quarterly
Visual Damage Inspection		
Door Retention Inspection		
Door Operation Inspection		
Photo Eye Inspection		
Electrical Inspection		
Mounting Hardware Inspection		
Door Retention System		
Drive Belt Inspection		
Trolley Assembly Inspection		
Lubrication		
Electric Brake Inspection		
Insulated Door Panel and Door Seal Inspection		
Cleaning Panels and Seals		
Control Panel and Activator Inspection		
Heat Tape Inspection (Optional Defrost System)		
Blower Inspection (Optional Defrost System)		
Wall Anchor Inspection		

DAILY INSPECTION

Visual Damage Inspection

Visually inspect the door components such as the head assembly, side panels, door panels, and door seals. (See Figure 12 and Figure 13.)

- **Head Assembly:** Inspect the head for dents or damage that may prevent the door from opening or closing properly.
- **Side Panels:** Inspect the side panels for dents or damage that may prevent the door from opening or closing properly.
- **Insulated Door Panels:** Ensure the insulated door panels are clean. Inspect them for holes, tears, and worn areas. Clean, repair, or replace the panels as required.

1. Cycle-Plus is a trademark of Rytec Corporation.

- **Door Seals:** Inspect all seals for holes, tears, and worn areas. Ensure the seals form a tight barrier between the door, floor, and wall. Repair or replace the seals as required.

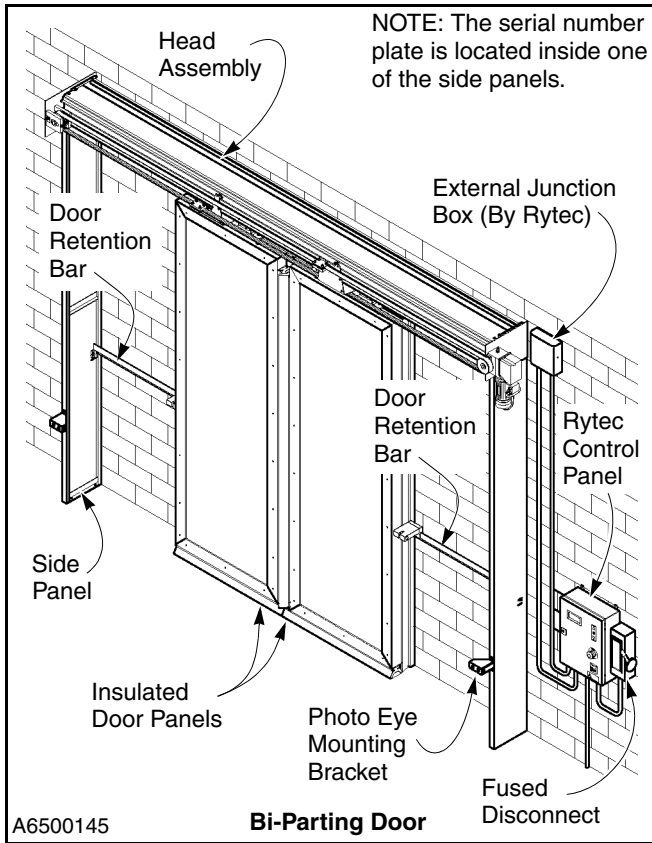


Figure 12

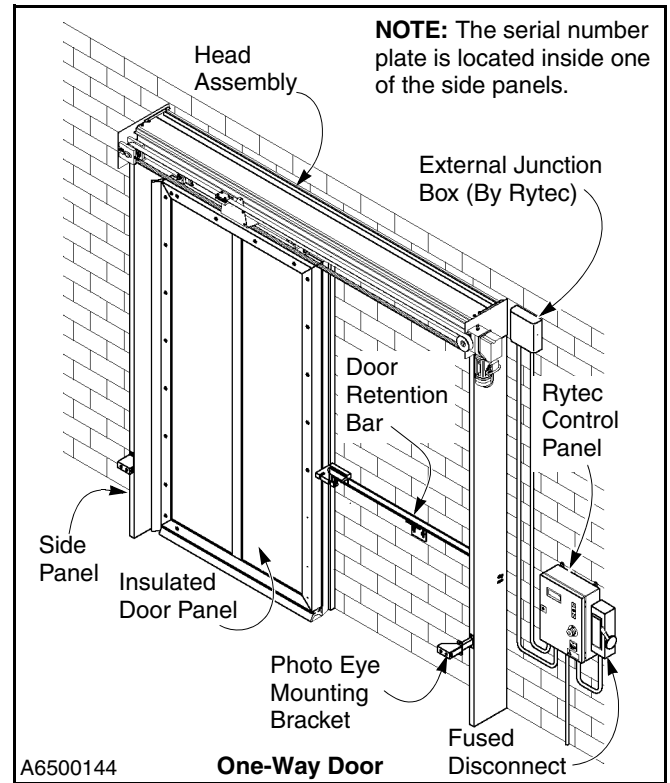


Figure 13

Door Retention Inspection

Move the door to the fully closed position and then verify that each door panel is connected to its respective retention bar.

Refer to "DOOR RETENTION SYSTEM" on page 4 for instructions on connecting the retention system.

Door Operation Inspection

Run the door through four or five open and close cycles to make sure it is operating smoothly and efficiently. There should be no binding or unusual noises as the door travels across the head assembly. Also, as the door opens and closes, verify that the panels remain connected to the door retention system.

IMPORTANT: DO NOT continue to operate the door if it is not running properly, as this could further complicate any problem.

Refer to "OPERATION" on page 3 for instructions on how to operate the control panel.

Photo Eye Inspection

Inspect the photo eye mounting brackets and photo eyes for visible damage or misalignment. Verify that the photo eyes operate as described below:

⚠ WARNING

Personnel and objects should not be in the path of the door when the following inspection is performed. If the photo eyes are not working properly, the door could strike the personnel or object in its path.

1. Move the door to the fully open position by pressing the up (▲) key located on the control panel.
2. Place an object between the photo eyes to interrupt the beam of light between the eyes.
3. Press the down (▼) key on the control panel. The door should not operate.
4. If the photo eyes do not operate properly, the lens may be dirty. Clean as required, using window cleaner and a clean, soft cloth. Then retest the eyes. If cleaning does not resolve the problem, align or replace the photo eyes as required.

Refer to “PHOTO EYES” on page 4 for additional information on how the photo eyes operate. See “PHOTO EYE ALIGNMENT” on page 24 for adjustment procedures.

QUARTERLY INSPECTION

Electrical Inspection

CONTROL PANEL, ENCODER, AND MOTOR WIRING

⚠ WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

1. Inspect electrical connections to the power drive assembly and encoder assembly.
2. Inspect control panel wiring. See Rytec System 3 Drive & Control Installation & Owner's Manual for control panel inspection procedure.

HEAD ASSEMBLY JUNCTION BOX

1. Move the door to the fully closed position.
2. Remove power to the control panel by placing the fused disconnect in the OFF position.

⚠ WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

3. Remove the cover from the head assembly junction box located above the door opening. (See Figure 14.)

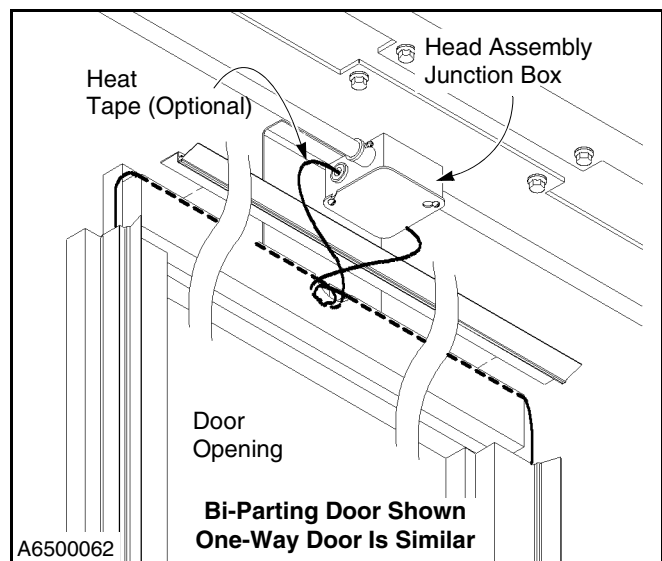


Figure 14

4. Inspect all electrical connections in the junction box. All connections must be tightly secured.
5. Check for pinched, kinked, cracked, or damaged wires and insulation. Repair or replace wires as needed.
6. If the door is configured with the optional defrost system (heat tapes, heaters, and blower), inspect all associated electrical wiring and connections. Repair or replace wires as needed.
7. Replace the cover.

UPPER JUNCTION BOX

NOTE: The upper junction box is an optional item that may have been installed during the installation of your door. If an upper junction box was installed, it was most likely mounted on the wall, just above the control panel. If your door has an upper junction box, it must be inspected.

1. Remove power to the control panel by placing the fused disconnect in the OFF position.

⚠ WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

2. Remove the cover from the upper junction box. (See Figure 15.)

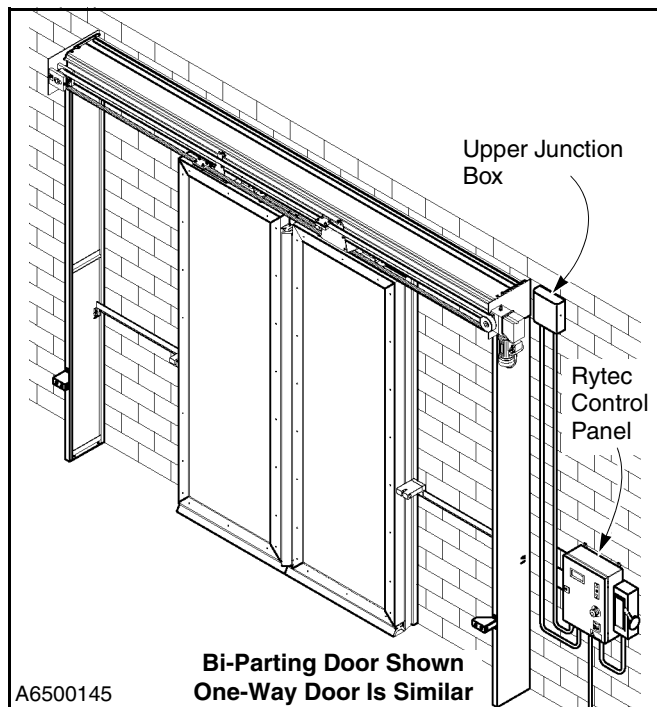


Figure 15

3. Inspect all electrical connections in the upper junction box. All connections must be tightly secured.
4. Check for pinched, cracked, or damaged wires and insulation. Repair or replace wires as needed.
5. Replace the cover.
6. Apply power to the door.

Mounting Hardware Inspection

1. Move the door to the fully closed position.
2. Remove power to the control panel by placing the fused disconnect in the OFF position.



The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

3. Check that the mounting hardware securing the side panels to the wall and floor are in place and tight. Also inspect the hardware securing the photo eye mounting brackets to the side panels. Tighten and replace any loose or missing hardware, such as wall fasteners, floor anchors, nuts, bolts, and screws. (See Figure 16.)

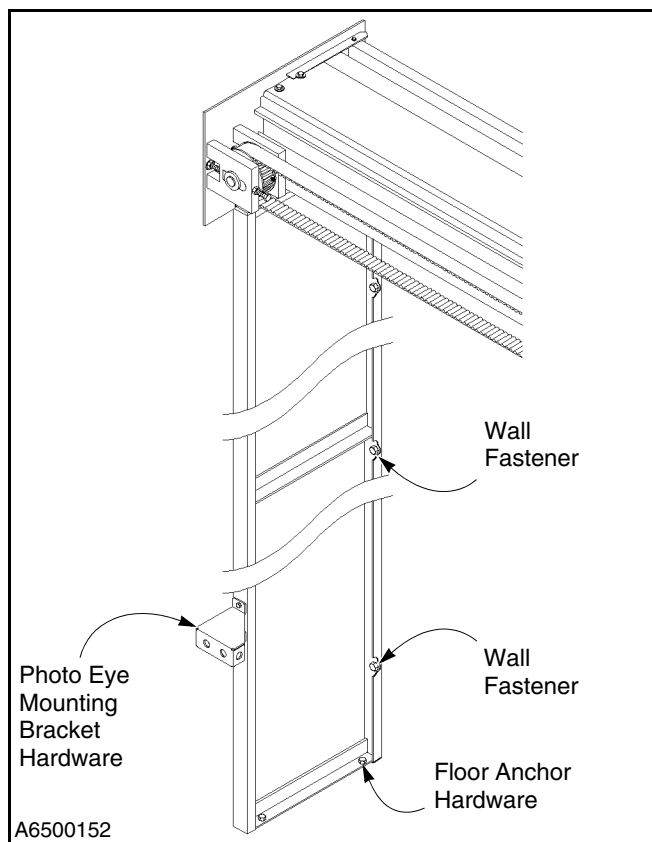


Figure 16

4. Check that the pair of serrated-flange sheet metal screws and hex nuts used to join each side panel to the head assembly are in place and tightly secured. Tighten and replace any loose or missing hardware. (See Figure 17.)

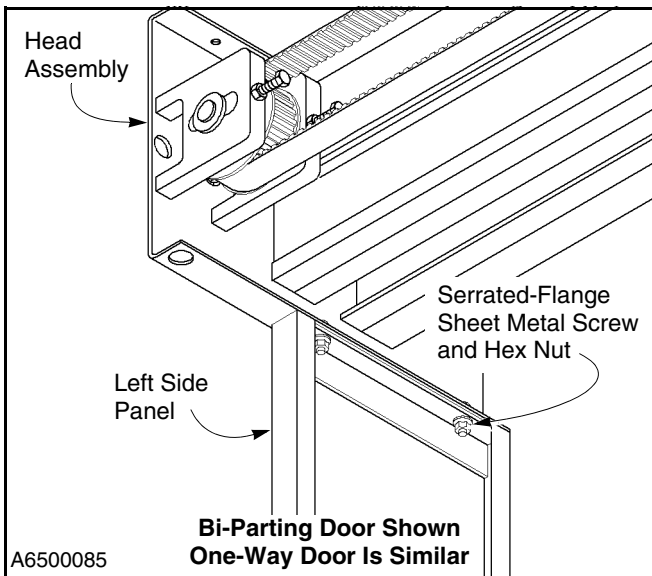


Figure 17

5. Check that all mounting hardware, such as nuts, bolts, and screws, etc., are tight throughout the head assembly, drive motor gearbox assembly, idler assembly, and the left and right trolleys. (See Figure 18.)

Tighten and replace any loose or missing hardware as necessary.

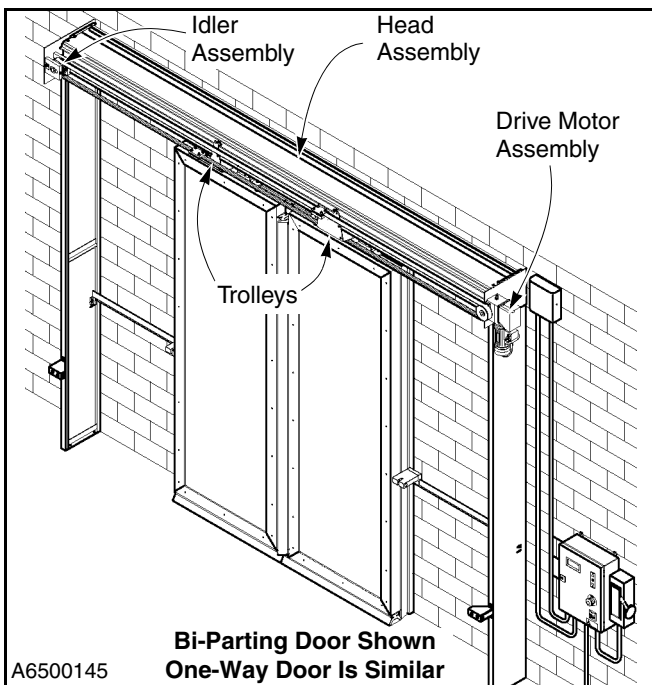


Figure 18

Door Retention System

1. Check all mounting hardware associated with the door retention system. Inspect the hardware securing each retention bar to its associated side panel and to the frame of the door seal. Inspect the set screw located in each locking collar that secures each retention block to the door. (See Figure 19.)

Tighten and replace any loose or missing hardware as necessary.

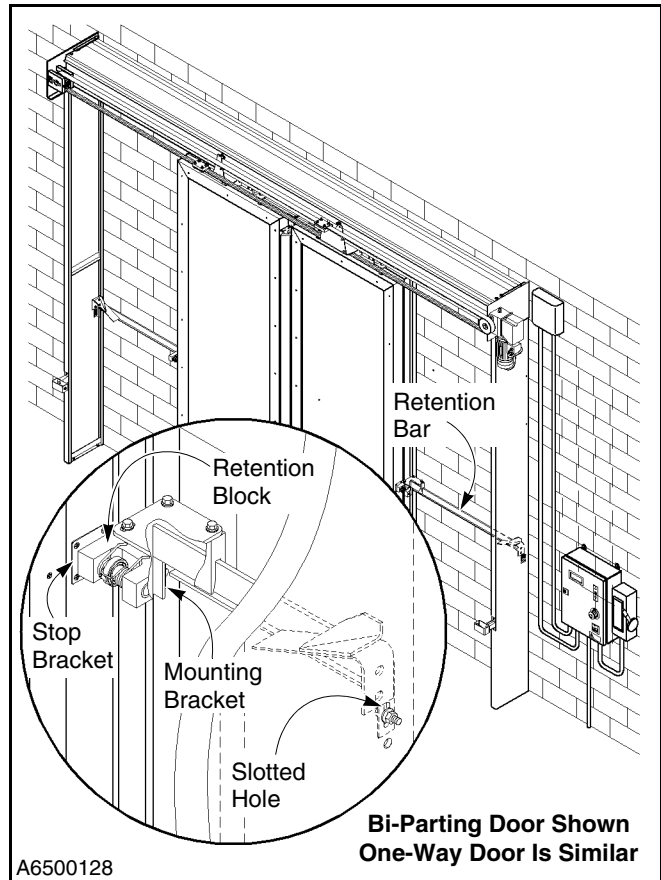


Figure 19

2. Place the door in the fully closed position.
3. With the retention block resting on the stop bracket, the gap between the block and the bar should be $\frac{1}{4}$ in.
4. As the door opens, the gap will increase. However, with the block held against the stop bracket, the gap along the entire remaining length of the bar must be consistent.
5. If the door does not meet the above requirements, refer to "DOOR RETENTION BLOCKS ADJUSTMENT" on page 22.

Drive Belt Inspection

1. Remove power to the control panel by placing the fused disconnect in the OFF position.

WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

CAUTION

Do not lubricate the drive belt, drive pulley, or tension pulley. The drive system requires no lubrication.

2. Inspect the drive belt. The belt should not be frayed, cracked, worn, or damaged. Also check for any damaged or missing teeth. Replace the drive belt if necessary. (See Figure 20 and Figure 21.)

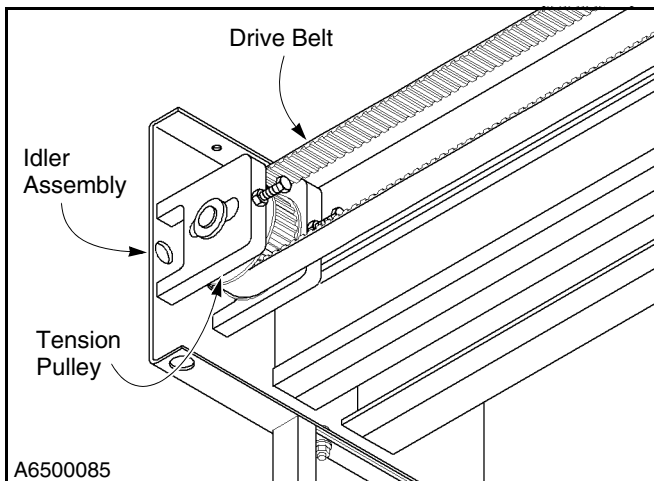


Figure 20

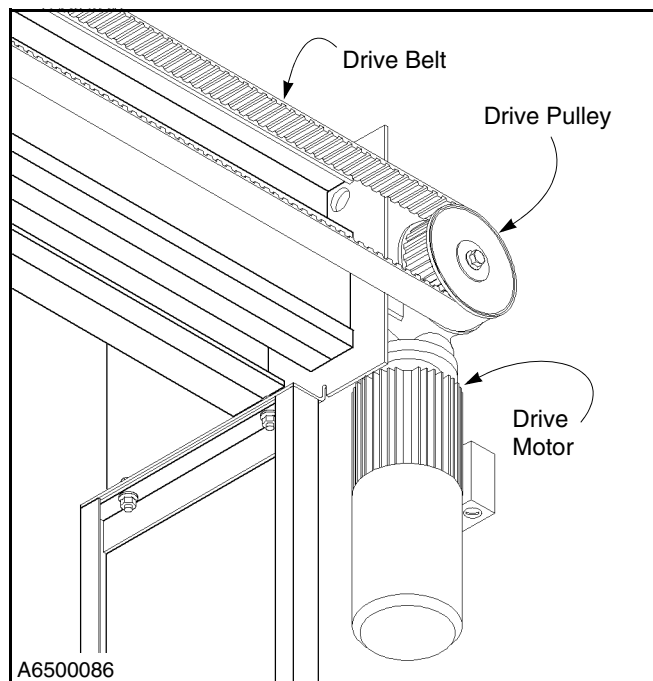


Figure 21

3. With the door in the fully open position, check the tension of the drive belt by squeezing the belt together at its midpoint. A properly tensioned belt will have a slight amount of deflection at its midpoint.

IMPORTANT: Excessive belt tension can result in accelerated belt wear. Inadequate tension can cause the drive pulley to jump a tooth on the belt, resulting in possible damage to the belt or door.

To adjust the tension of the drive belt, see “DRIVE BELT ADJUSTMENT” on page 18.

4. Inspect the hardware that secures the drive motor to the end of the head assembly. Tighten or replace any loose, missing, or damaged hardware.

Trolley Assembly Inspection

1. Move the door to the fully closed position. Then remove power to the control panel by placing the fused disconnect in the OFF position.

WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

2. Inspect trolley assemblies for any loose or missing hardware. Tighten or replace hardware as required. (See Figure 22 and Figure 23.)

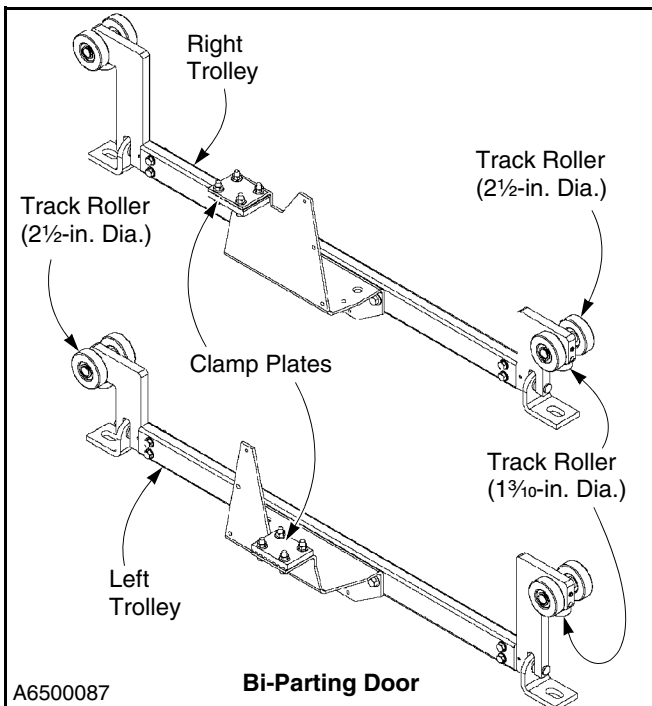


Figure 22

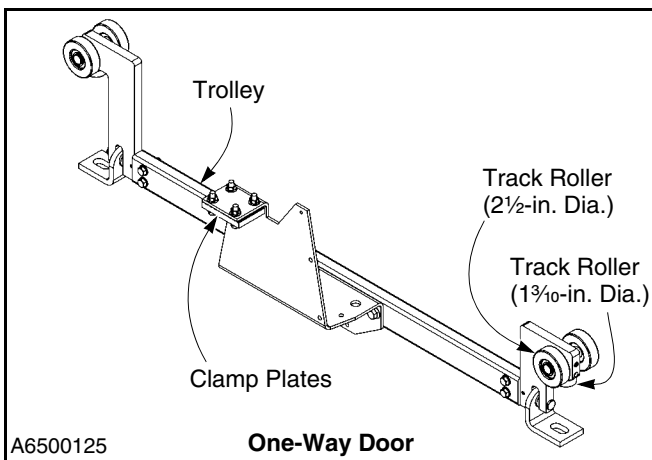


Figure 23

3. Inspect the clamp plate that locks the drive belt to each trolley. The hardware that clamps the plate to the belt must be in place and tightly secured.

CAUTION

Do not use an abrasive cleaner or a petroleum-based solvent to clean the rollers or the track they travel along — otherwise, damage to the rollers could result.

NOTE: When cleaning the track and rollers, it may be necessary for you to reposition the door to gain access to the entire surface of the track and all sides of each roller.

4. Clean all dirt and grit from the track using an all-purpose household cleaner and a clean, soft cloth.
Also clean all dirt and grit from the surface and sides of each track roller to ensure they travel smoothly. There are three rollers at each end of both trolleys; two 2½-in. dia. rollers and one 1⅜-in. dia. roller.
5. Inspect each roller. Be sure the snap rings securing the large rollers and the retaining screws securing the small rollers are all in place.
Verify that the nylon wheel on each roller is not cracked, worn, or damaged. Replace rollers as necessary.
6. While manually working the door back and forth along the track, observe the bearings as each roller travels along the track. The bearings should allow the rollers to travel smoothly and effortlessly without noise or binding.

Lubrication

1. Move the door to the fully closed position. Then remove power to the control panel by placing the fused disconnect in the OFF position.

! WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

2. Lubricate the following items as required:

Door Retention System: A 10-oz. aerosol can of white lithium grease was supplied with the door at the time it was shipped from the factory. Apply a liberal amount of this lubricant along the upper edge and sides of each door retention bar.

Additional 10-oz. aerosol cans of white lithium grease (P/N 0316401) are available through Rytec Customer Support. An equivalent low-temperature lubricant may be substituted.

Gearbox: The motor gearbox is filled with synthetic oil, which does not need to be changed but should be checked regularly for proper oil level. The level can be checked at the plug located on the lower section of the gearbox.

Recommended oil for refill is as follows:

- Mobil SHC 630 Synthetic Gear Oil

Fill the gearbox by removing the breather at the top of the gearbox and add oil through the exposed hole. Add oil until it starts draining from the check plug hole. (See Figure 24.)

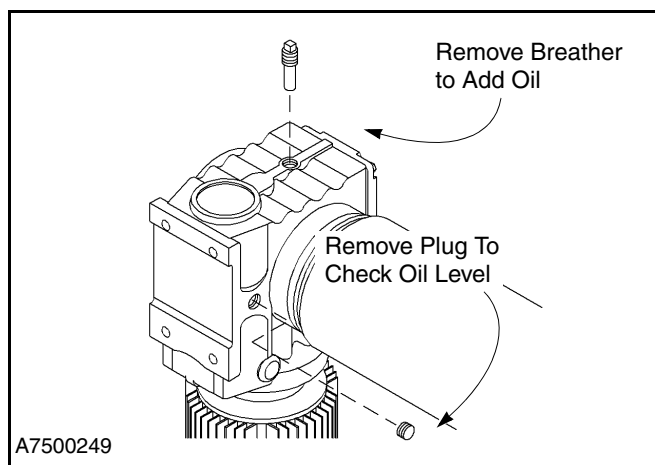


Figure 24

Electric Brake Inspection

The motor brake assembly is designed to stop the door panel travel at the locations indicated in the limit inspection section. If the limits are set properly and the door drifts past the set limits, adjust the brake.

Insulated Door Panel and Door Seal Inspection

1. Move the door to the fully closed position.

IMPORTANT: *Operate the door with the drive motor to ensure the panels and seals are positioned and compressed as in normal use.*

2. Remove power to the control panel by placing the fused disconnect in the OFF position.



The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

3. Inspect both sides of each door panel for wear and damage. Inspect the hardware used to attach each panel to its respective trolley.

Replace any missing, worn, or damaged hardware, components, or seals. (See Figure 25.)

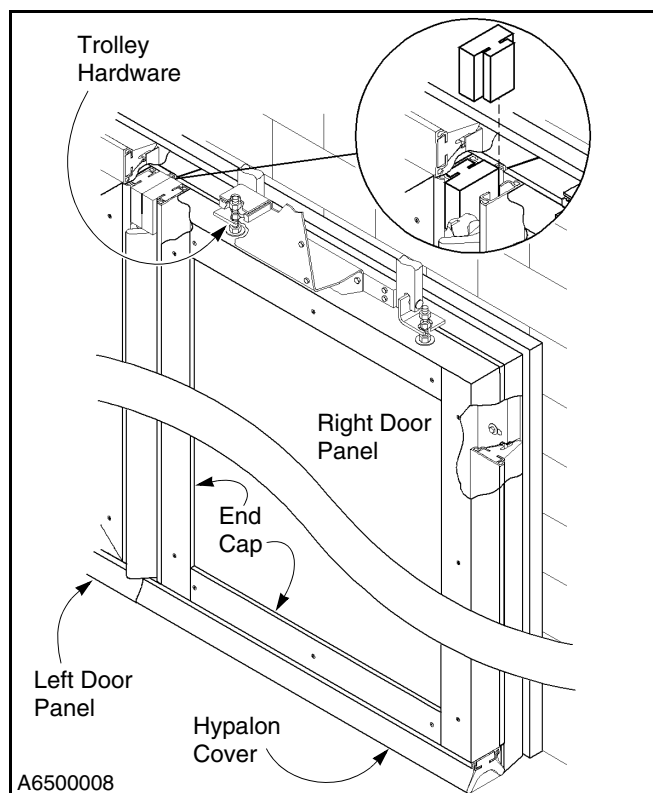


Figure 25

4. Inspect the end cap around the perimeter of each panel. The end caps must be securely fastened to the panels and not cracked or damaged. Replace as necessary.
5. Feel through the Hypalon cover along the bottom edge of each door panel to verify that the retainer securing the bottom seal is securely fastened and not cracked or damaged. Also feel for the foam seal along the bottom edge of each panel. It should be intact and secured in the retainer.
6. Inspect the Hypalon cover along the bottom edge of each door panel. The cover should not be frayed, torn, or loose. Replace as necessary.
7. Make sure a short foam block is installed near the top edge of each panel. Replace either block if missing, torn, or damaged. (See detail in Figure 25.)
8. Inspect the foam seals along the back side of each panel. The seals should not be torn or damaged. Replace as necessary. (See Figure 26.)

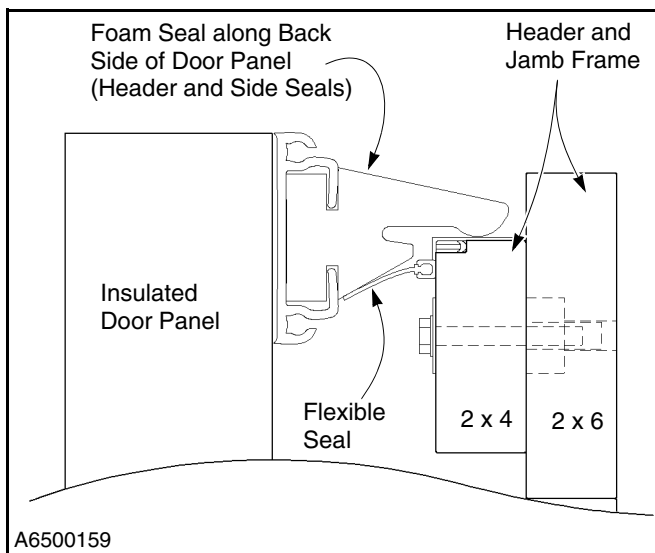


Figure 26

9. Manually move the door to the fully open position. See "MANUAL OPERATION" on page 3.
10. Inspect the foam filler blocks in the upper corners of the door seal. Each block is screwed to the edge of the jamb frame and should fill the gap between the header and jamb seals. Replace as necessary. (See Figure 27 and Figure 28.)

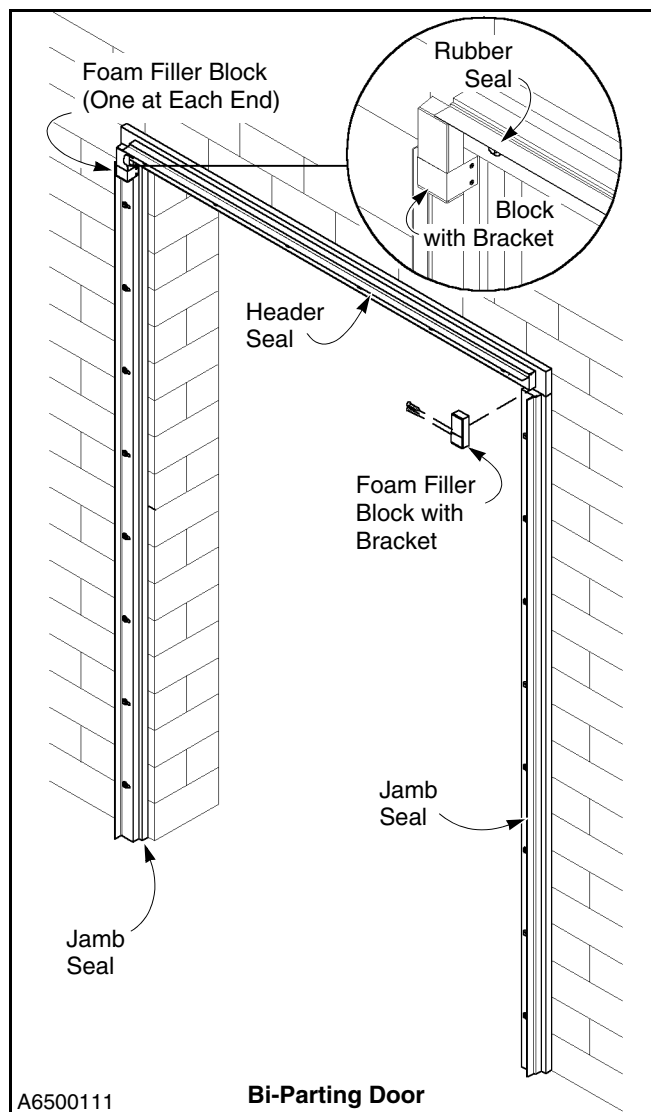


Figure 27

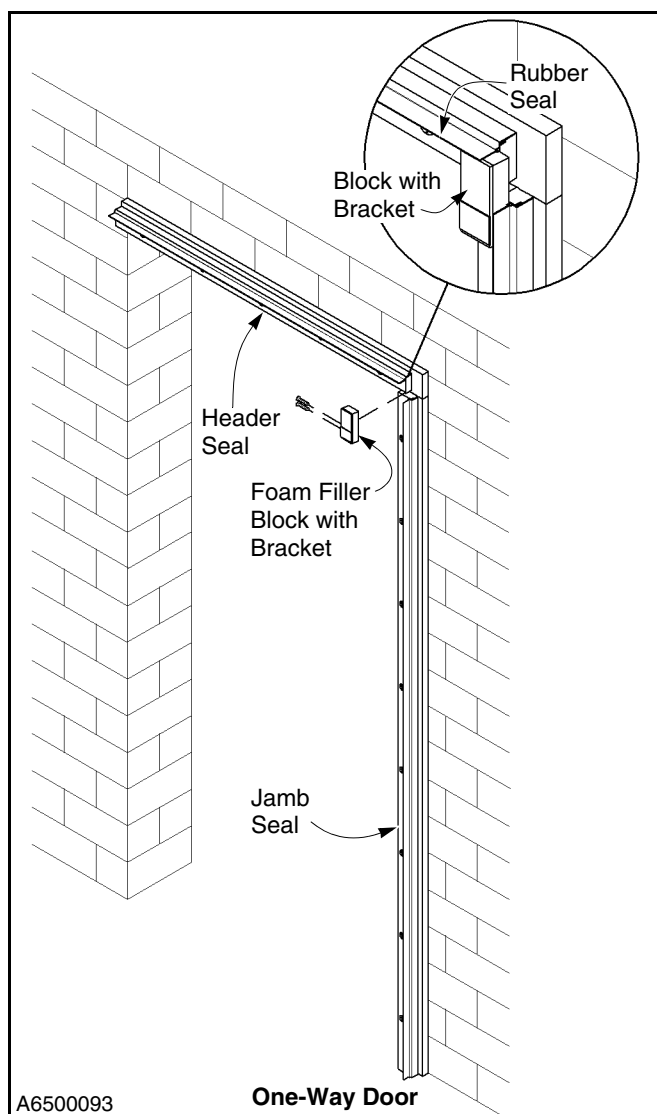


Figure 28

11. Apply power and move the door to the fully closed position.

IMPORTANT: *Operate the door with the drive motor to ensure the panels and seals are positioned and compressed as in normal use.*

12. Remove power to the control panel by placing the fused disconnect in the OFF position.

WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

13. Inspect the seal between the panels. It should form a tight barrier along the entire vertical length (height) of each panel.

Check the seal along the bottom edge of each panel. Because there is a Hypalon cover around each seal, you will need to use your fingers to verify the seal along the floor. To do this, work your fingers between the floor and the Hypalon cover. The foam seal behind the cover should be tightly compressed against the floor with no gaps along the entire width of the panel.

If an adjustment to either panel is necessary, see “DOOR PANEL ALIGNMENT AND ADJUSTMENT” on page 19.

14. Verify that there is a tight barrier between the foam seals along the back side of each door panel and the flexible rubber seals along the header and jamb frame. The flexible rubber seals should form a tight fit against the foam seals. (See Figure 29.)

If an adjustment to the header or a jamb seal is necessary, see “DOOR SEAL ADJUSTMENT” on page 21.

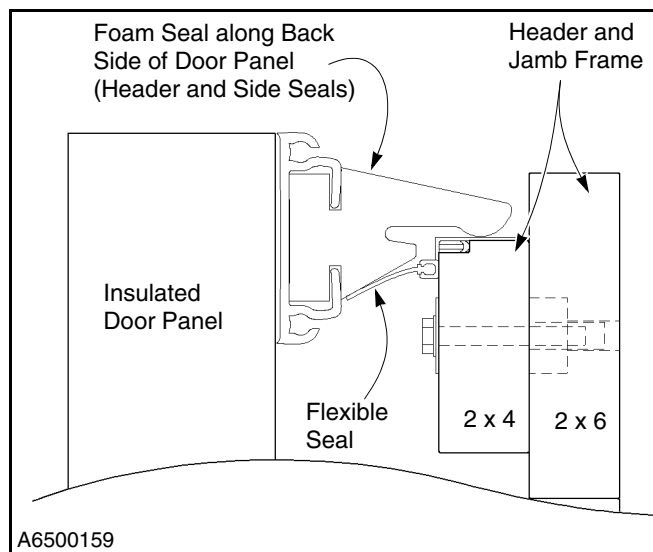


Figure 29

Cleaning Panels and Seals



Do not use an abrasive cleaner or a petroleum-based solvent to clean the panels or seals — damage to the door could result.

1. Inspect the panels and seals for dirt and grime. Clean as required using an all-purpose household cleaner and a clean, soft cloth. Then thoroughly rinse the panels and seals with fresh, clean water.
2. Once the door is dry, apply power to the door.
3. Operate the door several times to verify that it works properly.

Control Panel and Activator Inspection

1. Ensure all associated warning and safety labels are intact, clean, and easy to read. Replace as needed.
2. Check the control panel for proper operation. Make any adjustments or repairs as necessary.
3. Operate the door five or six complete cycles with each activator installed and used with the door. A typical activator may be a floor loop, pull cord, push button, motion detector, radio control, etc.

The open cycle is controlled by an activator. The close cycle is controlled by an activator or by a programmable timer internal to the control panel.

If a repair or adjustment is necessary, refer to the operating instructions provided by the manufacturer of that particular activator. To set the automatic timer, refer to the Rytec System 3 Drive & Control Installation & Owner's Manual.

Defrost System (Optional System)

HEAT TAPE INSPECTION

1. Remove power to the control panel by placing the fused disconnect in the OFF position.



The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

NOTE: The bi-parting door is shown. The one-way door is similar, except that it has only one heat tape instead of two.



Ensure that the heat tape is not routed near any moving parts. Also, verify that each cable is not kinked or twisted and that all slack is pulled from the entire length of the cables.

2. Inspect the heat tape that is routed from the frame header to the head assembly junction box. The heat tape must not be pinched, kinked, or damaged. (See Figure 30.)

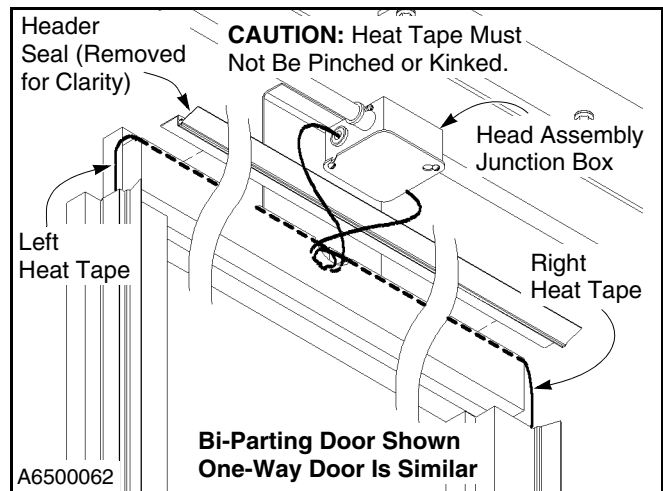


Figure 30

3. Apply power to the control panel.



Prevent the door from being operated while performing the following procedure.

4. Verify that the heat tape(s) is (are) powered up and operating. The heat tape should be warm to the touch.

BLOWER INSPECTION

1. Remove power to the control panel by placing the fused disconnect in the OFF position.



The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

2. Inspect the overall condition of the heated unit. Verify that all hardware securing the blower to the end of the head assembly is in place and tight. Tighten or replace any loose or missing hardware. (See Figure 31.)

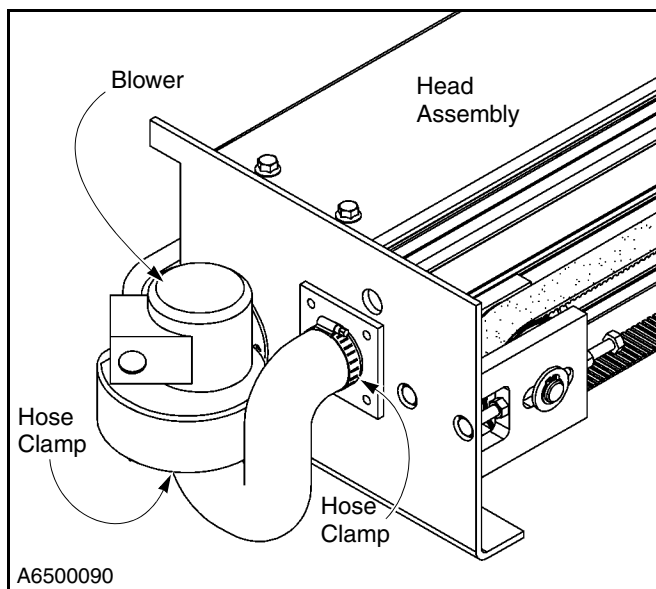


Figure 31

3. Verify that the two hose clamps securing the air duct to the head assembly and blower are tightly secured.
4. Vacuum or dust all surfaces of the blower unit.
5. Inspect all electrical wires and connections associated with the heated unit.
6. Apply power to the control panel.

⚠ WARNING

Prevent the door from being operated while performing the following procedure.

7. Verify that the blower is running continuously and the head assembly is warm to the touch.

Wall Anchor Inspection

1. Turn off power to door.

⚠ WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

2. Gain access to wall anchors.
3. Inspect for loose or worn wall anchor(s).
4. Tighten, repair or replace wall anchor(s) as needed.

NOTE: Remove door from service if any repairs are needed. All repairs must be done in accordance with building code.

5. Restore power to the door and return to service.

ADJUSTMENTS

LIMIT SWITCHES

The fully open and fully closed limit switches are electronically controlled and adjusted through the control panel. To adjust the door limit settings, see the Rytec System 3 Drive & Control Installation & Owner's Manual.

DRIVE BELT ADJUSTMENT

Drive belt tension is controlled by the position of the tension pulley. The position of the tension pulley is controlled by one pair of tension adjusters. (See Figure 32.)

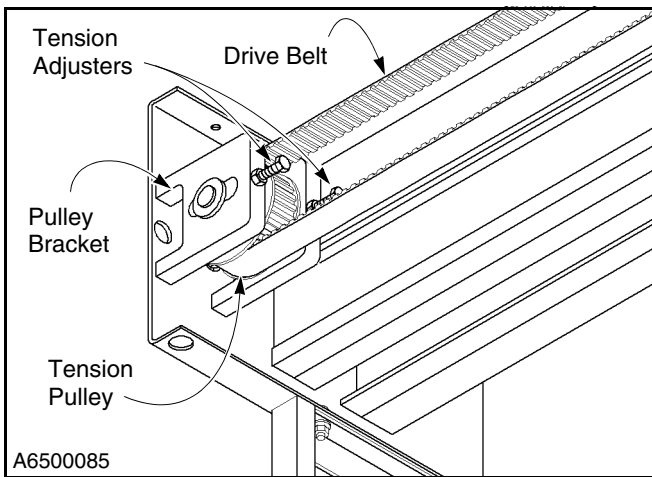


Figure 32

1. To adjust the tension of the drive belt, first move the door to the fully closed position.
2. Turn off the power to the door.

WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

IMPORTANT: When positioning the idler shaft, keep the shaft parallel with the face plate of the idler assembly. If the pulley is already aligned, turn each tension adjuster the same amount. This ensures the tension pulley remains aligned with the drive pulley at the opposite end of the head assembly. (See Figure 33.)

3. Initially set the tension of the belt with the idler shaft centered along the slot that is machined on both sides of the pulley bracket. The position of the idler shaft is controlled by the tension adjusters. (See Figure 32.)
4. Once belt tension is set, verify that both tension adjusters are tight against the idler shaft to lock the tension pulley in place. (See Figure 33.)

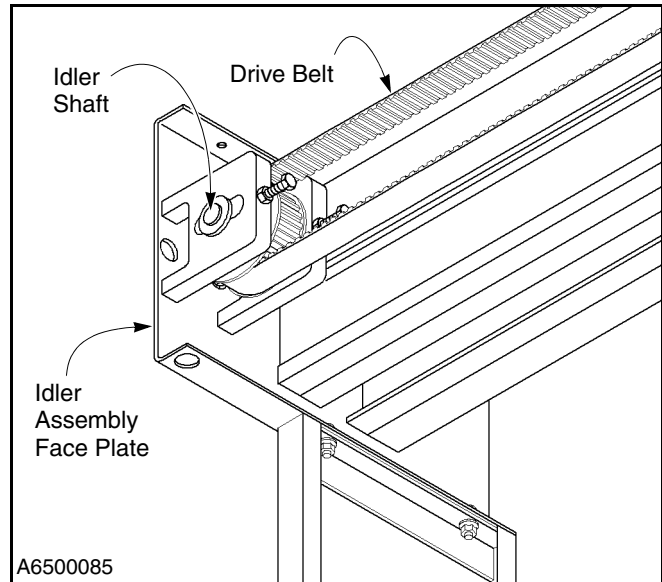


Figure 33

5. If the belt tension requires further adjustment, reposition the idler shaft (tension pulley) accordingly.
6. Check tension pulley alignment and adjust if necessary. (See "TENSION PULLEY ALIGNMENT" on this page.)

CAUTION

For the door to operate at its maximum efficiency, proper belt tension should be maintained. If the drive belt is too loose the belt may slip. If the drive belt is too tight, this may cause premature wear of the belt and bearings.

TENSION PULLEY ALIGNMENT

Tension pulley alignment is important to help prevent wear to the drive belt. Alignment is controlled by the tension adjusters. (See Figure 34.)

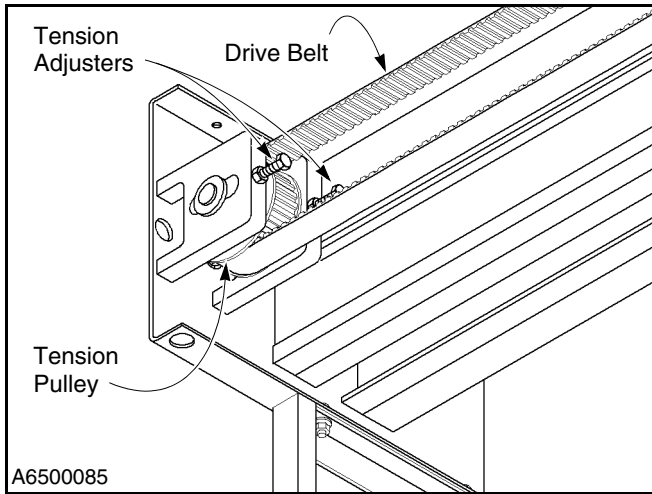


Figure 34

1. To adjust the alignment of the tension pulley, first move the door to the fully closed position.
2. Remove power to the system by placing the fused disconnect in the OFF position.



The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

NOTE: When adjusting the tension pulley alignment, turn the tension adjusters equally in opposite directions and in small amounts. This will help reduce the need to readjust the belt tension.

3. Adjust the alignment of the tension pulley by turning the tension adjusters in opposite directions. There is correct alignment when the belt and pulley are parallel to each other and when there is no tendency for the belt to ride up off the pulley.
4. Once alignment is set, ensure that both tension adjusters are tight against the idler shaft to lock the tension pulley in place.
5. Check the belt tension and adjust if necessary. (See "DRIVE BELT ADJUSTMENT" on page 18.)

DOOR PANEL ALIGNMENT AND ADJUSTMENT

1. Check that each insulated door panel is level along its top edge. If adjustment is necessary, the sides of either panel can be independently adjusted up or down by repositioning the upper nut along the threaded rod. (See Figures 35 and 36.)

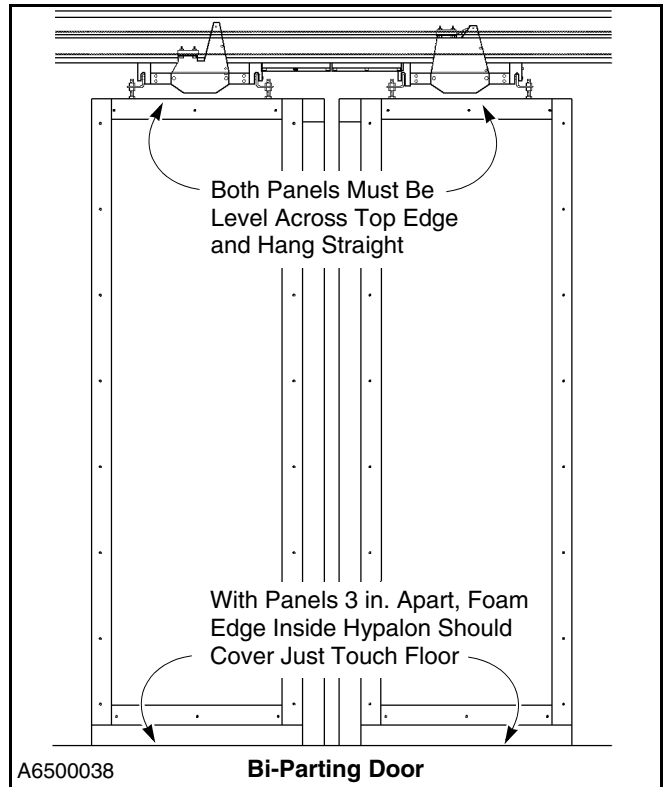


Figure 35

ADJUSTMENTS—DOOR PANEL ALIGNMENT AND ADJUSTMENT

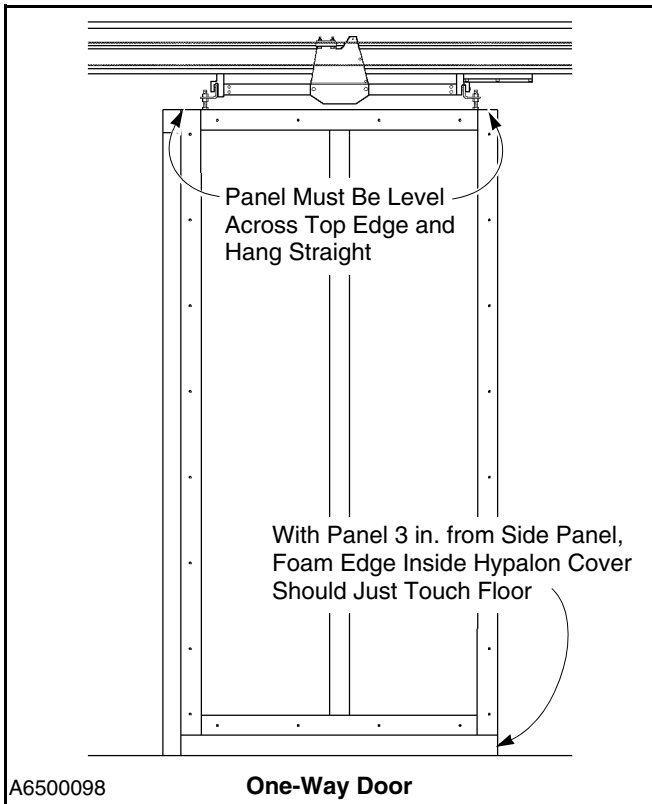


Figure 36

2. After the panels are adjusted for level and hanging straight, release the electric brake.

On bi-parting doors, manually move the doors so that the panels are 3 in. apart.

On one-way doors, manually move the door so that it is 3 in. from the leading edge of the side panel.

3. Once the door panels are repositioned, release the cord to re-engage the brake to lock the door in place.

4. Check the position of the bottom edge of each panel. The foam seal inside the Hypalon covers should just make contact with the floor. (It will be necessary for you to place your fingers between the foam seal and the floor to verify the gap — do not judge the gap by how the Hypalon covers hangs from the door.)

If vertical adjustment to either panel is necessary, adjust the upper nut on each pair of threaded rods for that particular panel. Adjust both nuts an equal amount in the same direction to ensure the panel remains level. (See Figure 37.)

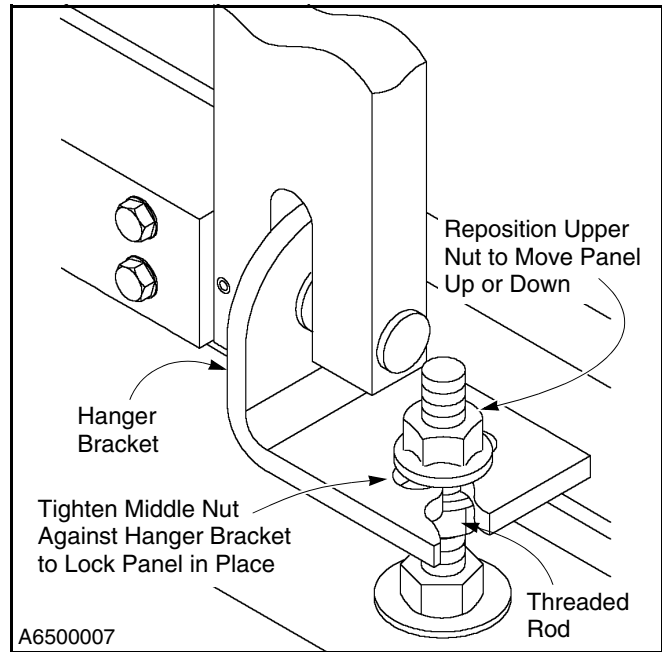


Figure 37

5. To ensure a panel seals tight during normal operation:

On bi-parting doors, the space between the panels must now be adjusted for a 2-in. gap at the bottom and a 3-in. gap at the top. (Both panels will be tilted slightly. See Figure 38.)

On one-way doors, the space between the panel and the leading edge side panel must now be adjusted for a 2-in. gap at the bottom and a 3-in. gap at the top. (The panel will be tilted slightly. See Figure 39.)

NOTE: On one-way doors, the gap is between the door panel and side panel. (See Figure 39.)

6. On bi-parting doors, to decrease the gap at the bottom, turn the upper nut on the outside pair of hanger brackets counterclockwise. (The idea here is to lengthen the threaded rod between the panel and the hanger bracket.) Be sure to turn the outside nuts an equal number of times to angle the panels. (See Figure 37.)

On one-way doors, to decrease the gap at the bottom, turn the upper nut counterclockwise on the hanger bracket nearest the trailing edge side of the panel. (The idea here is to lengthen the threaded rod between the panel and the hanger bracket.) (See Figure 37.)

7. Tighten the middle nuts against the hanger brackets to lock the panels at the adjusted angle. Then proceed to "DOOR SEAL ADJUSTMENT" on page 21.

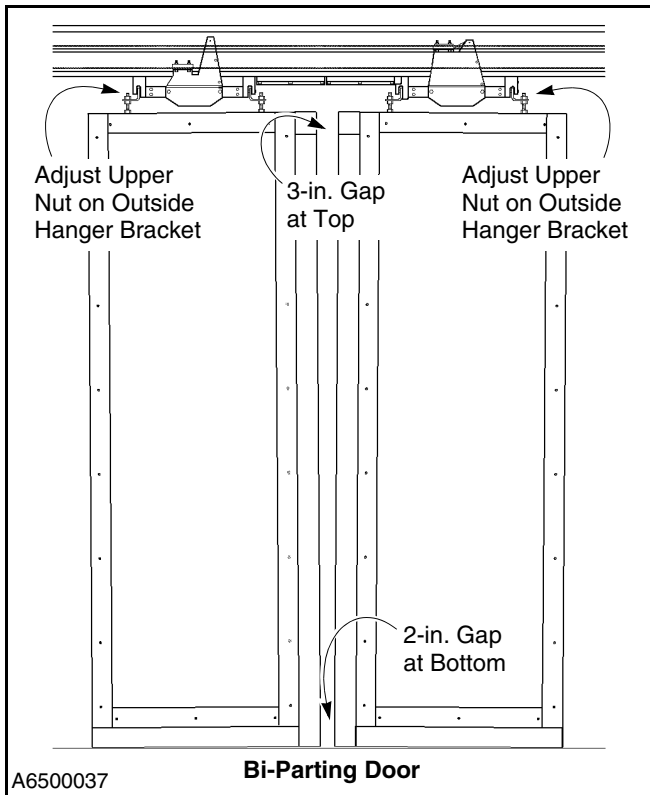


Figure 38

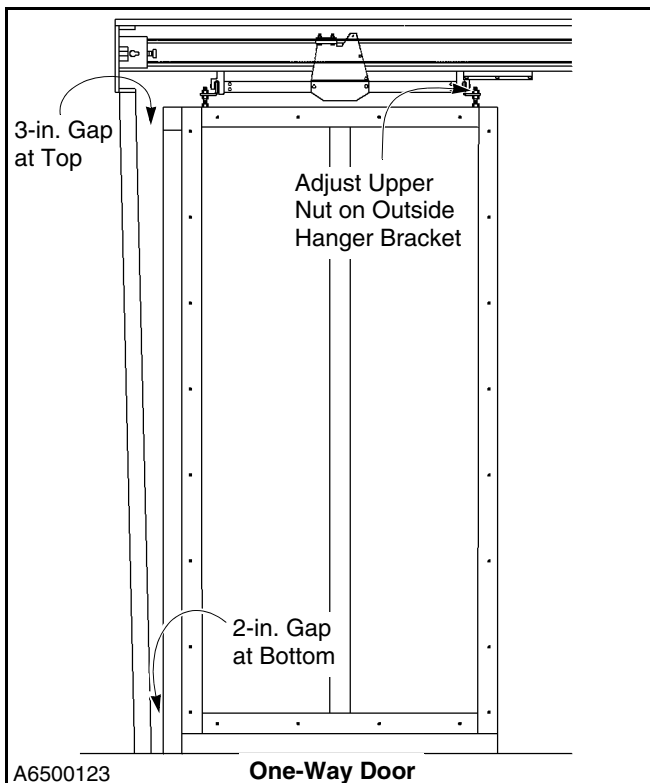


Figure 39

DOOR SEAL ADJUSTMENT

1. Move the door to the fully closed position. Because the panels are angled, it is necessary to pull them together near their upper end to ensure the door is in the fully closed position before adjusting the door seals.
2. From the back side of the door, check the horizontal seal between the door and the upper edge of the door opening. The rubber seal across the top of the door opening must fit tight against the foam seal that runs across the back of each panel. (See Figure 40.)

If seal adjustment is necessary, loosen the screws securing the adjustable seal (2 x 4) running across the top of the door opening. Then push against the 2 x 4 until its rubber seal fits tight and flat against the full length of the foam seals along the back of the door. Tighten the screws securing the 2 x 4 to lock the seal in place.

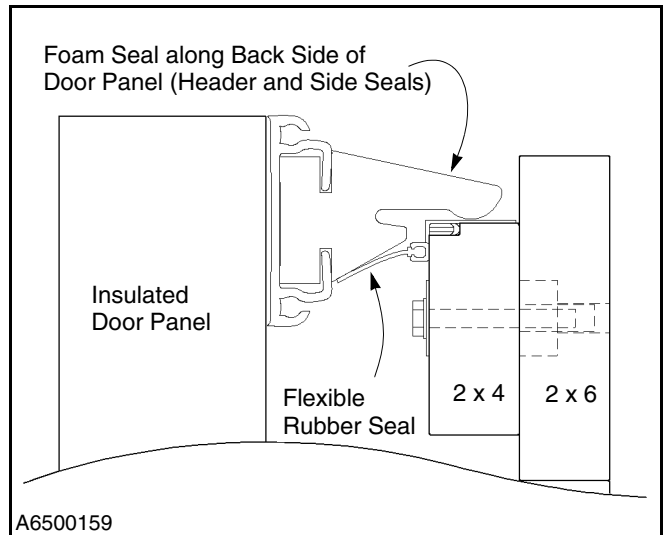


Figure 40

3. Adjust the vertical side seals in the same manner as adjusting the header seal.
4. With all seals adjusted and secured, manually open and close the door several times to work the seals. Then pull the door tight in the fully closed position and verify that the adjustable seals around the door opening have remained in place and fit tight against the foam seals along the back of the door. Make any necessary adjustments.

ADJUSTMENTS—DOOR RETENTION BLOCKS ADJUSTMENT

DOOR RETENTION BLOCKS ADJUSTMENT

In addition to the door retention bars, the door retention system also includes a pair of retention blocks. The blocks are used to connect the door panels to the retention bars.

Bi-Parting Door

1. Move the door to the fully closed position.
2. Unhook the retention block from the retention bar. (See Figure 41.)

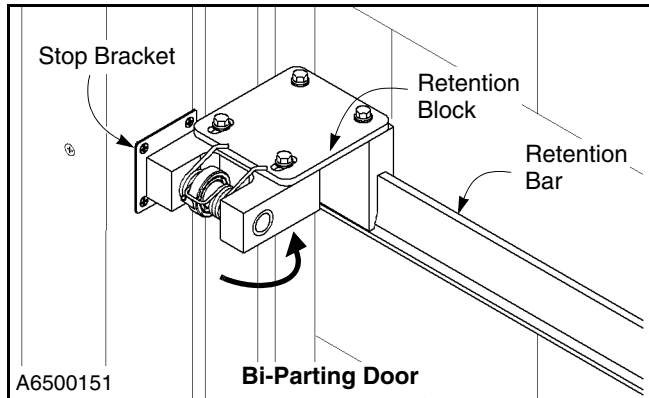


Figure 41

3. Loosen the locking collar set screw and position the retention block for a 1/8-in. gap between it and the stop bracket, while making sure the retention block rests on the stop located on the edge of the stop bracket.
4. Rotate the locking collar so there is adequate tension in the spring to hold the block on the retention bar. Do not rotate the collar more than a quarter turn after making contact with the spring. Tighten the set screw in the collar to lock the collar in place.
5. Test the retention block to make sure it rotates without making contact with the edge of the door. Readjust if necessary.
6. Adjust the other retention block in the same manner.
7. Now the retention bar(s) can be adjusted. At the end of each bar is a vertical slotted hole. These slots allow the bar to be adjusted up or down. (See Figure 42.)
8. Once each retention block is hooked over its associated bar, place the door in the fully closed position.

IMPORTANT: When adjusting a retention bar, the bar and retention block must both be kept level.

9. Keeping the retention bar level and the block resting on the stop bracket, adjust each bar up or down for a 1/4-in. gap between the block and the bar.

10. As the door opens, the gap will increase. With the block held against the stop tab, the gap along the entire remaining length of the bar must be consistent.

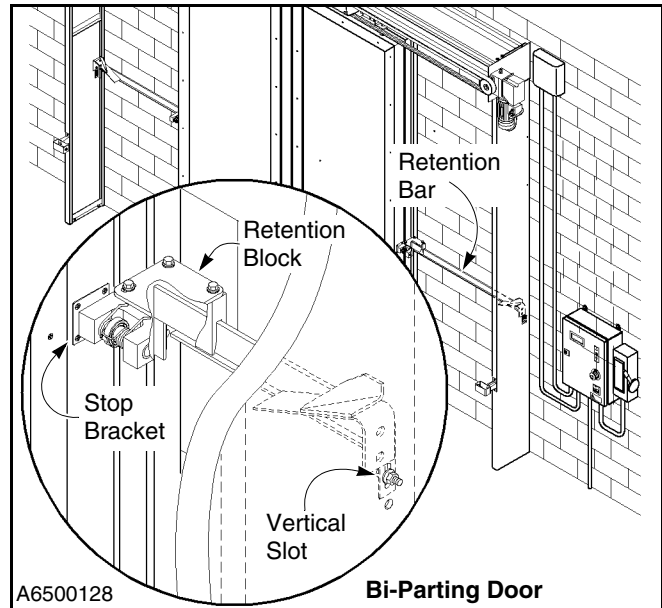


Figure 42

11. Close the door. Then adjust each retention block plate in or out, as required, so that the seals form a tight, interlocking barrier around the perimeter of the panel. If necessary, the steering angle of a door panel can also be adjusted to help form a tight seal by twisting either side of the retention block adjustment plate to the left or right.

Verify that the nose seals between both panels are aligned along their entire length. If necessary, refer back to "DOOR PANEL ALIGNMENT AND ADJUSTMENT" on page 19.

12. Using the synthetic lubricant that was used earlier on the door seals, apply a thin film of lubricant to the upper edges of both retention bars to ensure the retention block slides smoothly. (See Figure 43.)

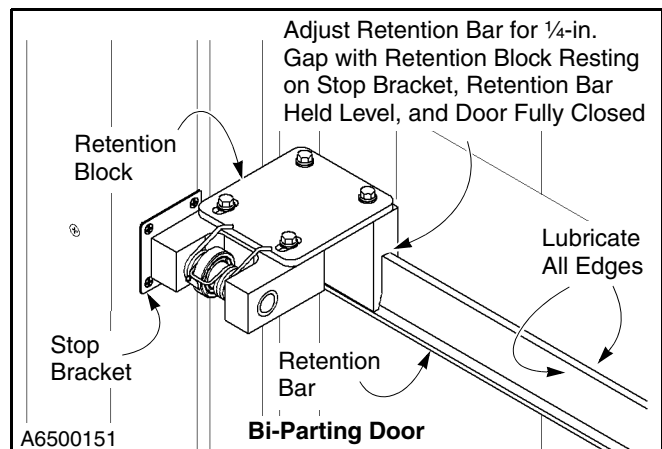


Figure 43

One-Way Door

1. Move the door to the fully closed position.
2. Unhook the retention block from the retention bar.
(See Figure 44.)

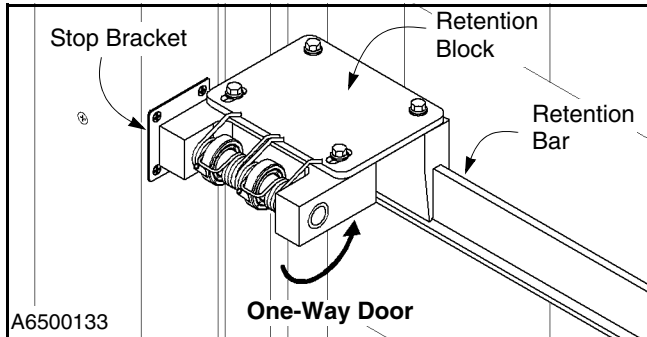


Figure 44

3. Loosen the locking collar set screws and position the retention block for a $\frac{1}{8}$ -in. gap between it and the stop bracket, while making sure the retention block rests on the stop located on the edge of the stop bracket.
4. Rotate the locking collar so there is adequate tension in the spring to hold the block on the retention bar. Do not rotate the collar more than a quarter turn after making contact with the spring. Tighten the set screw in the collar to lock the collar in place.
5. Test the retention block to make sure it rotates without making contact with the edge of the door. Readjust if necessary.
6. Once the retention block is hooked over the bar, place the door in the fully closed position.
7. Now the retention bar can be adjusted. At the end of the bar and on the stiffener bracket are vertical slotted holes. These slots allow the bar to be adjusted up or down. (See Figure 45.)

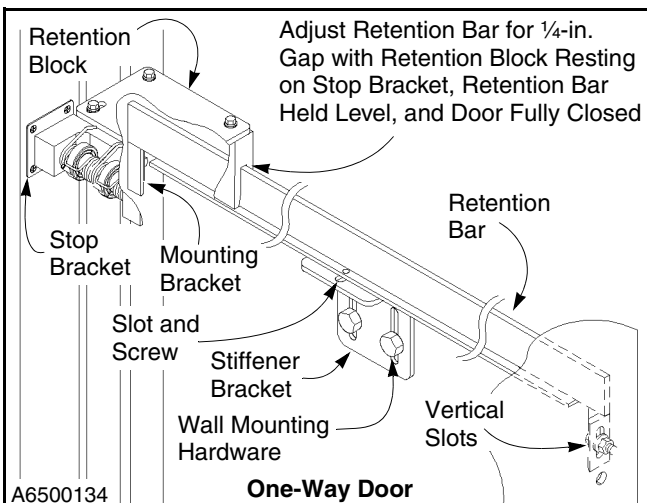


Figure 45

8. Loosen the screws attaching the stiffener bracket to the retention bar and loosen the wall mounting hardware. (See Figure 45.)

IMPORTANT: When adjusting a retention bar, the bar and retention block must both be kept level.

9. Keeping the retention bar level and the block resting on the stop bracket, adjust the bar up or down for a $\frac{1}{4}$ -in. gap between the block and the bar.
10. As the door opens, the gap will increase. With the block held against the stop tab, the gap along the entire remaining length of the bar must be consistent.
11. Close the door. Then adjust the retention block plate in or out as required so that the seals form a tight, interlocking barrier around the perimeter of the panel. If necessary, the steering angle of the door panel can also be adjusted to help form a tight seal by twisting either side of the retention block adjustment plate to the left or right.

Verify the nose seal is tight against the leading edge side panel, along the entire length of the seal. If necessary, refer back to "DOOR PANEL ALIGNMENT AND ADJUSTMENT" on page 19.
12. While making sure that the retention bar is straight, tighten the hardware securing the stiffener bracket to the bar and wall.
13. Using the synthetic lubricant that was used earlier on the door seals, apply a thin film of lubricant to the upper edges of both retention bars to ensure the retention block slides smoothly. (See Figure 46.)

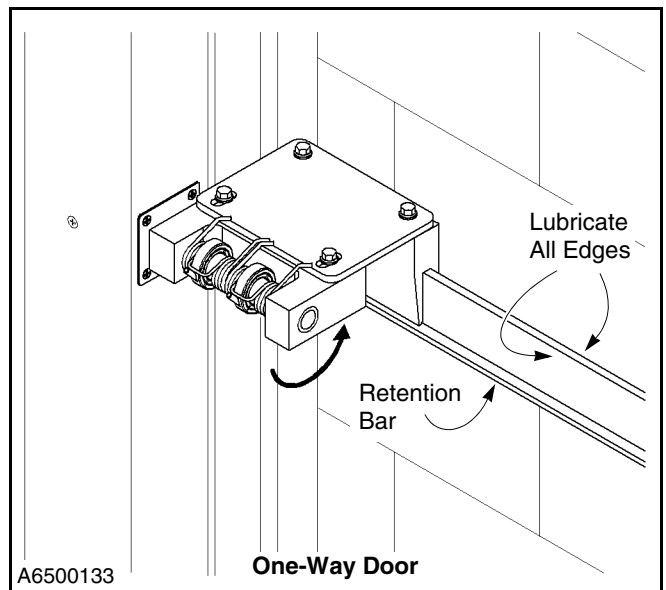


Figure 46

ADJUSTMENTS—PHOTO EYE ALIGNMENT

PHOTO EYE ALIGNMENT

Unless the photo eyes are knocked out of alignment, they generally do not require alignment. If the mounting brackets are intact and positioned as they were when originally installed and the photo eyes are not working properly, refer to “PHOTO EYES” on page 4 for photo eye diagnostic information.

MOTOR BRAKE

1. Turn off the power to the door.



The disconnect must be in the OFF position and properly locked and tagged before performing the following procedure.

2. Loosen the retaining bolts securing the brake dust cover to the motor assembly. Remove the cover. (See Figure 47.)

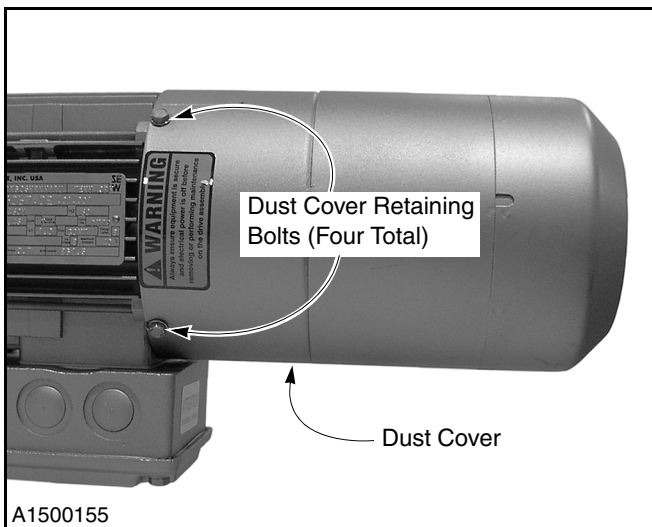


Figure 47

3. To adjust the brake, first securely tighten all brake adjustment nuts. Then back off each nut 1/2 turn counterclockwise. (See Figure 48.)

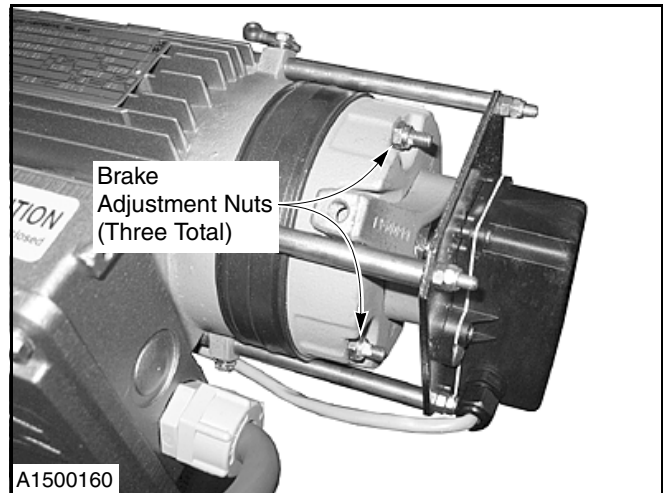


Figure 48



All nuts must be equally adjusted or the brake mechanism will wear unevenly.

4. Attach the dust cover and tighten all retaining bolts.

PARTS LIST

PARTS ORDERING INFORMATION

How to Order Parts

1. Identify the parts required by referring to the following pages for part numbers and part descriptions.
2. To place an order, contact your local Rytec representative or the Rytec Customer Support Department at: 800-628-1909 or 262-677-2058 (fax).
3. To ensure the correct parts are shipped, please include the serial number of your door with the order. The serial number is located inside one of the side panels. (See Figure 49.)

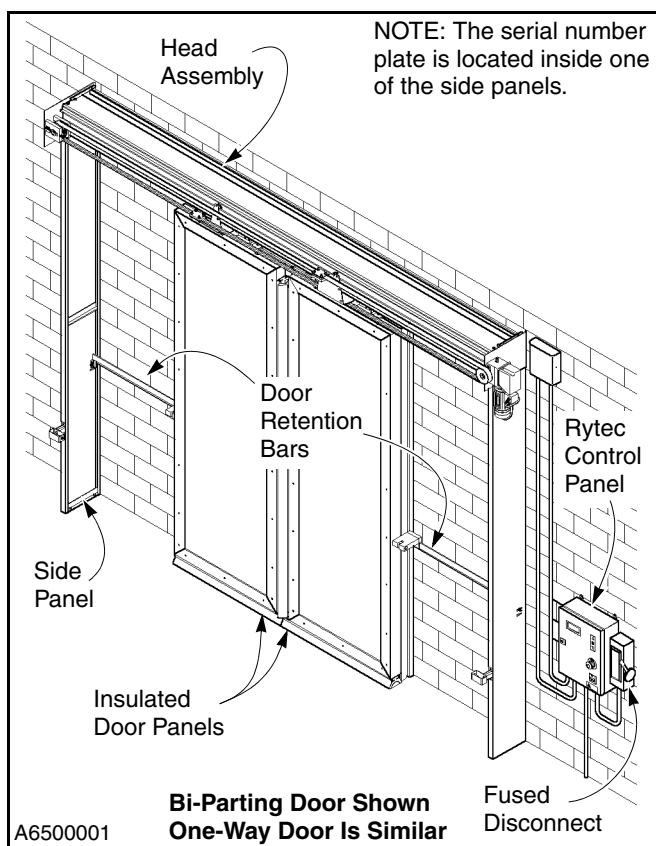


Figure 49

Substitute Parts

Due to special engineering and product enhancement, the actual parts used on your door may be different from those shown in this manual.

Also, if a part has been improved in design and bears a revised part number, the improved part will be substituted for the part ordered.

Return of Parts

Rytec will not accept the return of any parts unless they are accompanied by a Return Merchandise Authorization (RMA) form.

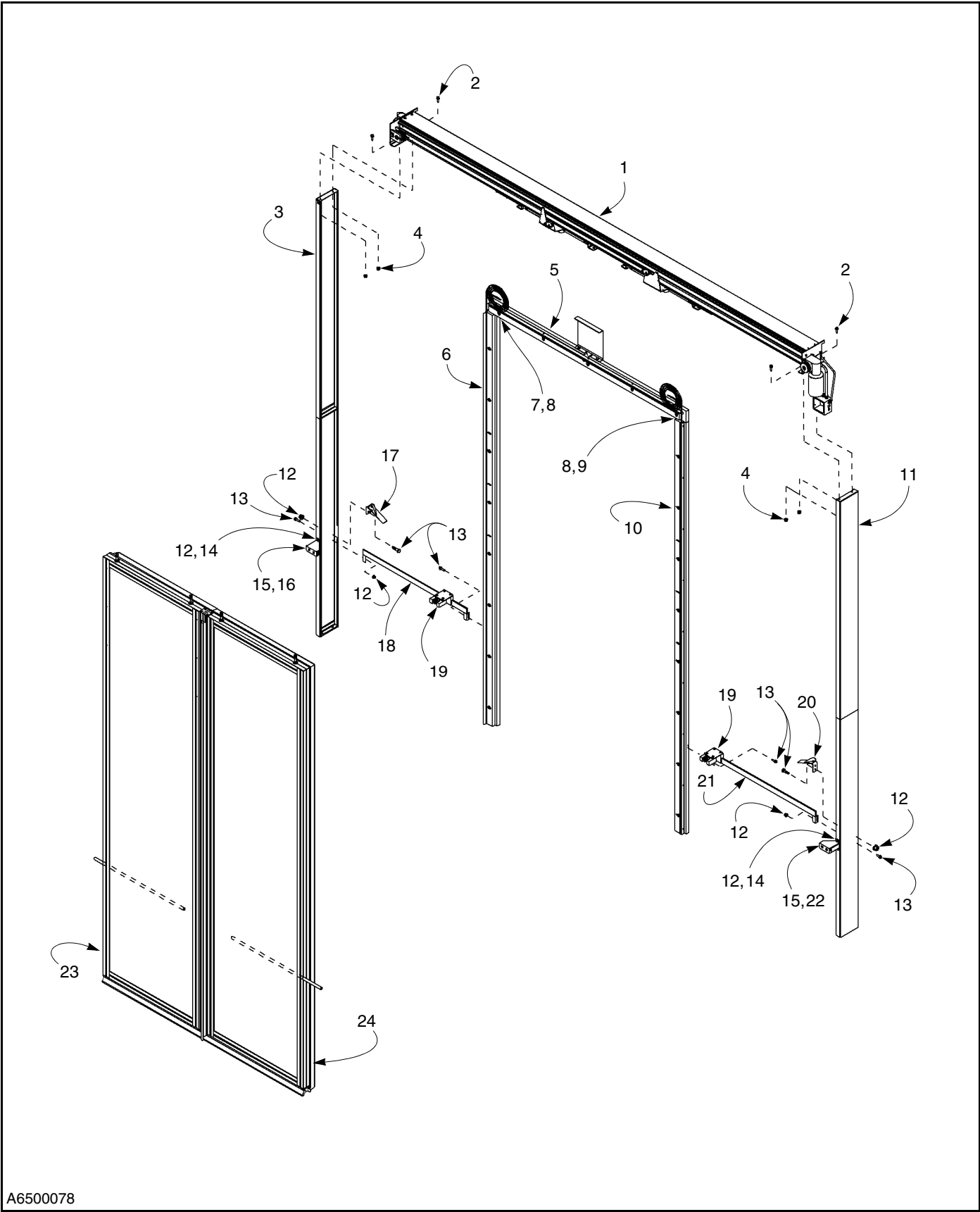
Before returning any parts, you must first contact the Rytec Customer Support Department to obtain return authorization and an RMA form.

DOOR SERIAL NUMBER(S)

To obtain your door **DOOR SERIAL NUMBER**, there are three universal locations where this information can be found. These are at the inside of either side panel (approximately eye level), on the drive motor, and on the inside door of the System 3 control panel.

IMPORTANT: When installing multiple doors of the same model but in different sizes, verify the serial number in the control panel with the one in the side panel.

DOOR ASSEMBLY



A6500078

Figure 50

PARTS LIST—DOOR ASSEMBLY

ITEM	QTY.	PART #	DESCRIPTION
-	1	0399421***	Arctec Door Assembly
1	1	0399412***	Head Assembly, with Defrost Blower (see page 30 for parts breakdown)
	1	0399463***	Head Assembly, Warm-Side Mounted (see page 34 for parts breakdown)
2	4	0021709	Bolt, Serrated-Flange Hex, 5/16-18 x 1 1/4 in., GR5.2, STL ZN
3	1	0399406***	Side Panel, Weldment, Left
4	4	0553299	Hex Nut, 5/16-18 UNC
5	1	0399426***	Header Seal Assembly (see page 56 for parts breakdown)
6	1	0399502***	Jamb Seal Assembly, Left (see page 56 for parts breakdown)
7	1	0399500	Corner Bracket Assembly, Left
8	4	0021725	Screw, Phillips Head, Flat Top Washer, Black
9	1	0399501	Corner Bracket Assembly, Right
10	1	0399503***	Jamb Seal Assembly, Right (see page 56 for parts breakdown)
11	1	0399411***	Side Panel, Weldment, Right
12	12	0553104	Hex Nut, 5/16-18 HLNSF, STL ZN
13	12	0550193	Hex-Flange Sheet Metal Screw, 5/16-18 x 3/4 in., GR5.2, STL ZN

ITEM	QTY.	PART #	DESCRIPTION
14	4	0550301	Screw, 5/16-18 x 3/4 in. Serrated-Flange
15	2	0303447	Photo Eye Mounting Bracket, Telco Space-Saver
16	1	0014078	Photo Eye, Telco Emitter (not shown)
17	1	0399580	Ramp Assembly, Retention Block, Left
18	1	0399481***	Weldment, Door Retention Track, Left
19	2	0399579	Retention Block Assembly, Bi-Parting Door (see page 58 for parts breakdown)
	1	0399590	Retention Block Assembly, One-Way Door (see page 58 for parts breakdown)
20	1	0399581	Ramp Assembly, Retention Block, Right
21	1	0399480***	Weldment, Door Retention Track, Right
22	1	0014077	Photo Eye, Telco Receiver (not shown)
23	1	0399413***	Panel #1 Assembly, ARCH2 (see page 54 for parts breakdown)
24	1	0399414***	Panel #2 Assembly, AB2 (see page 54 for parts breakdown)
25	1	0012053	Photo Eye Cable, 4-Pole, 50-ft. Long (not shown)

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PARTS LIST—HEAD ASSEMBLY — WITH DEFROST BLOWER

HEAD ASSEMBLY — WITH DEFROST BLOWER

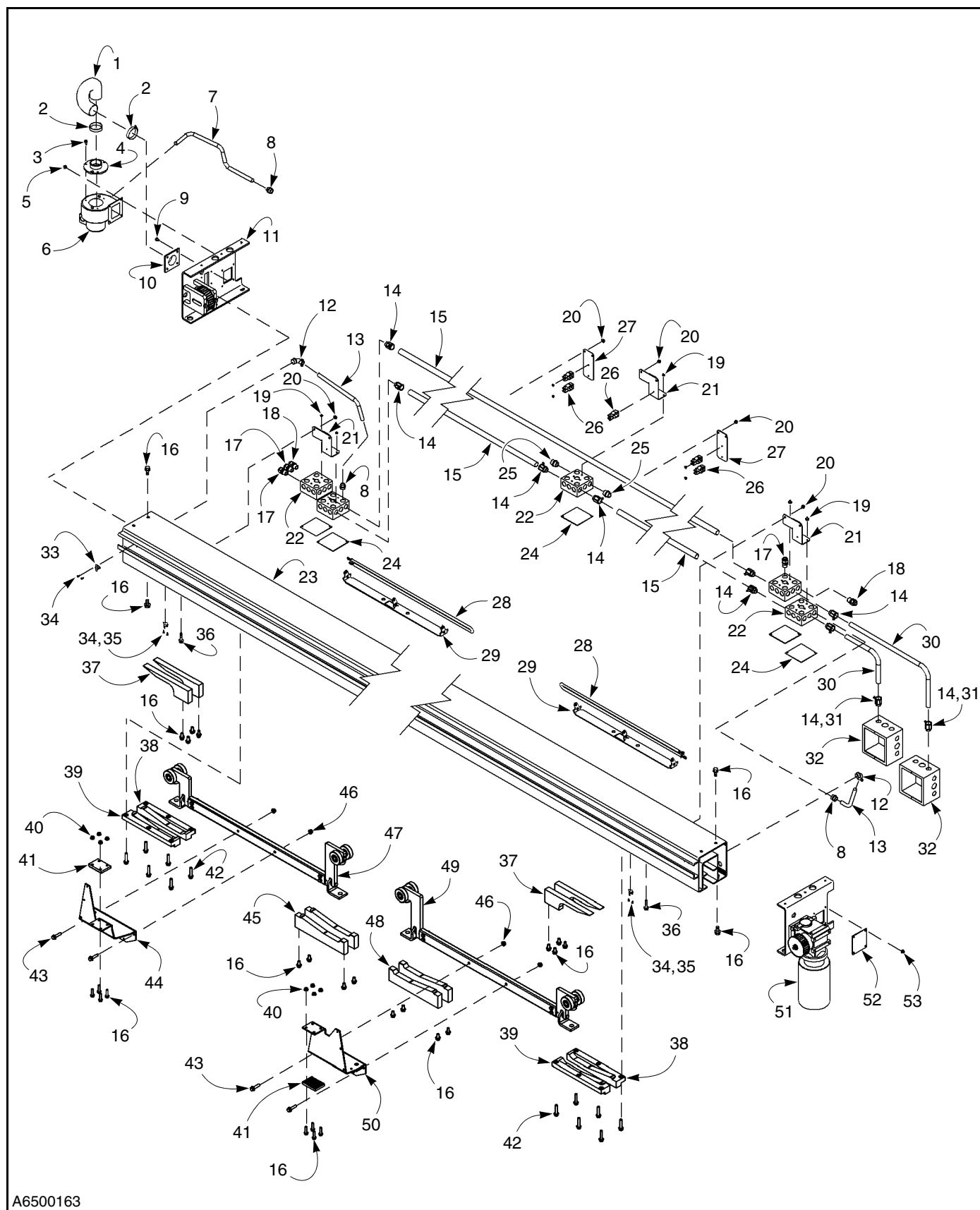


Figure 51

PARTS LIST—HEAD ASSEMBLY — WITH DEFROST BLOWER

ITEM	QTY.	PART #	DESCRIPTION	ITEM	QTY.	PART #	DESCRIPTION
-	1	0399532***	Head Assembly, with Defrost Blower	25	2	0014790	Service Connector, Straight, ½ in. (for non-metallic cable)
1	1	0304427	Air Duct, 2 in. I.D. Blower	26	5	0304413	Hanger, ¾ in. Conduit (includes bolt)
2	2	0304415	Hose Clamp, Stainless Steel, 1½ in. to 2½ in. Dia.	27	2	0303461	Support, Conduit
3	3	0021709	Screw, #14 x ¾ in., Indented Hex Washer Slotted A	28	2	0304420	Heater, Tubular, 1100 Watts, 460 Volts
4	1	0305446	Flange, Round, 2 in. I.D. Hose		2	0304421	Heater, Tubular, 1100 Watts, 230 Volts
5	4	0021720	Screw, #14-20 x ¼ in. Serrated Flange, UNC ZN	29	2	0302409	Heater Support
6	1	0318035	Blower, 110 Volt	30	2	0318014	Conduit, Flexible, ¾ in. x 36 in. Long
7	1	0318036	Conduit, Flexible	31	2	0014492	Nut, Cord Grip (not shown)
8	3	0014781	Connector, Straight, Flexible Connector, ¾ in., Regal #653	32	2	0304407	Junction Box, 6 in. x 6 in. x 4 in., NEMA 1, Galv.
9	4	0021742	Screw, ¼-20 x ½ in., Serrated-Flange	33	1	0304411	Thermostat, ½ in. Disc, 100°
10	1	0303418	Flange, Square, 2 in. I.D.	34	6	S021679	Screw, #6 x ¾ in., Truss Phillips B, Self-Tapping
11	1	0399542	Idler Assembly, Left (see page 40 for parts break-down)	35	2	0304412	Thermostat, ½ in. Disc, 180°
	1	0399533	Idler Assembly, Right (see page 42 for parts break-down)	36	2	0021689	Screw, ¾-16 x 1½ in. Serrated-Flange GR5.2, STL ZN
12	2	0014780	Cable Connector, 90°	37	4	0305414	Kick-Up Block
13	2	0318010	Conduit, Flexible	38	2	0305410	Drop Block, Lower Left
14	10	0014782	Straight Connector, ¾ in., ½ in. Knockout	39	2	0305411	Drop Block, Lower Right
15	3	0318017***	Conduit, ¾ in. EMT, Motor End	40	8	0021719	Riv Nut, ¾-16 Knurled Aluminum, 0.150-0.312 Grip
16	24	0550254	Screw, ¾-16 x ¾ in. Serrated-Flange	41	2	0303417	Clamp, Drive Belt
17	3	0014491	Cord Grip, Encoder	42	14	0021709	Screw, Hex-Flange Sheet Metal, ¾-16 x 1¼ in., GR5.2, STL ZN
18	2	0014001	Cord Grip, ½ in. NPT	43	4	0021689	Screw, ¾-16 x 1½ in. Serrated-Flange GR5.2, STL ZN
19	14	0021752	Screw, #10-24 x ¼ in., Serrated Hex Washer Head, UNC ZN	44	1	0303415	Come-Along Bracket, Short
20	10	0021720	Screw, Serrated-Flange, ¼-20 UNC x ¼ in. Long, GR5.2, STL ZN, GR5.2, STL ZN	45	2	0305427	Drop Block, Upper Left
21	3	0303460	Support, Junction Box	46	4	0553229	Nut, ¾-16 Serrated-Flange Hex
22	5	0304409	Junction Box	47	1	0399402	Trolley Assembly, Left (see page 44 for parts break-down)
23	1	Consult Factory	Head Extrusion	48	2	0305412	Drop Block, Upper Right
24	5	0304410	Cover, Junction Box, 4 in. x 4 in. Flat				

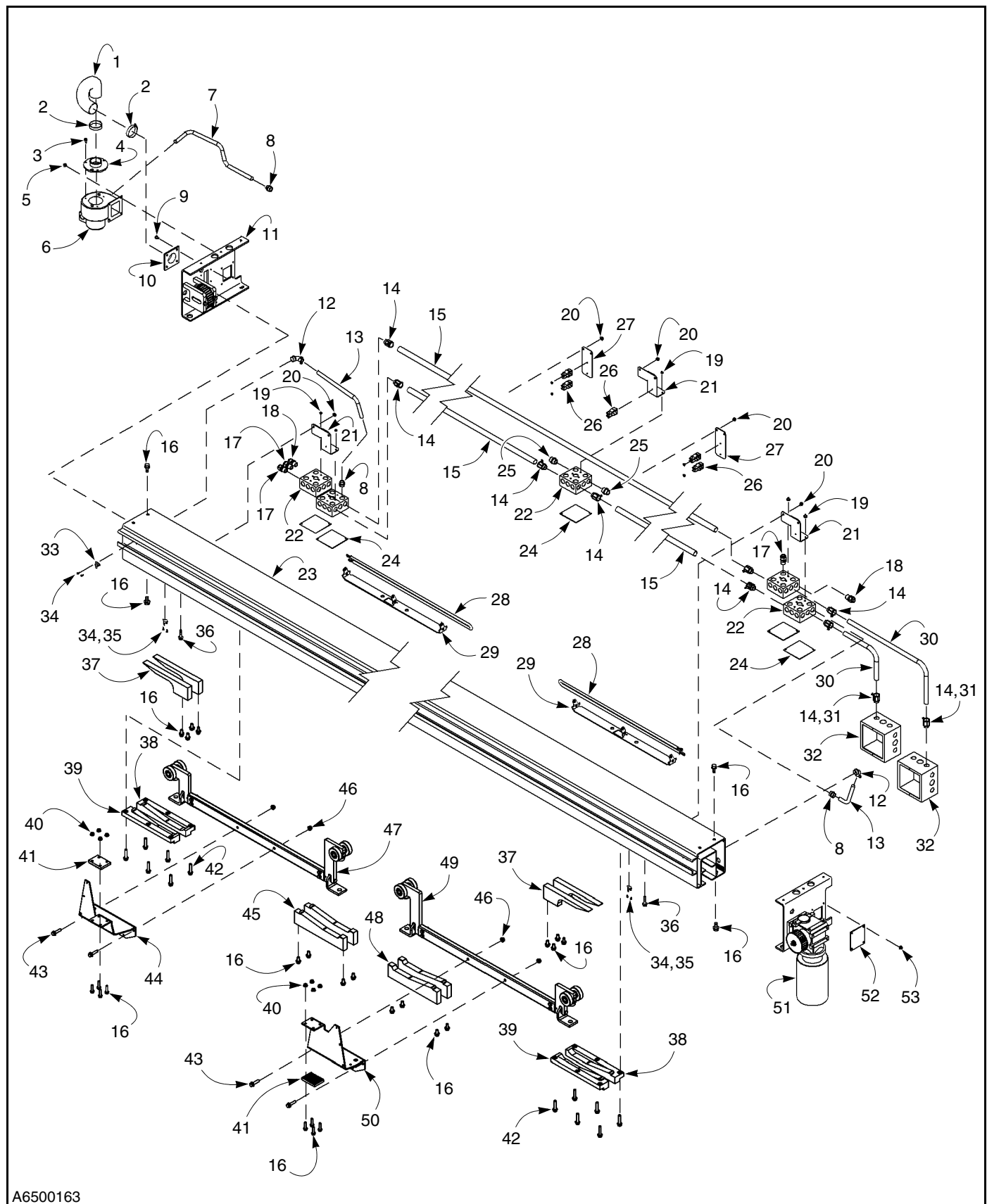
Parts list continues on next two pages

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To ensure you receive the correct parts when placing an order, always include the serial number of your door. Also, due to product enhancement, the actual parts on your door may be different from those shown in this manual.

PARTS LIST—HEAD ASSEMBLY — WITH DEFROST BLOWER (CONTINUED)

HEAD ASSEMBLY — WITH DEFROST BLOWER (CONTINUED)



A6500163

Figure 52

PARTS LIST—HEAD ASSEMBLY — WITH DEFROST BLOWER (CONTINUED)

ITEM	QTY.	PART #	DESCRIPTION
49	1	0399403	Trolley Assembly, Right (see page 46 for parts breakdown)
50	1	0303416	Come-Along Bracket, Long
51	1	0399416	Drive Assembly, Right (see page 38 for parts breakdown)
	1	0399438	Drive Assembly, Left (see page 36 for parts breakdown)
52	1	0303465	Cover Plate, Heater
53	4	0021720	Screw, Serrated-Flange, ¼-20 UNC x ¼ in. Long, GR5.2, STL ZN, GR5.2, STL ZN
54	1	0318018	Drive Belt, 32 mm, AT10 (not shown)
55	1	0013125	Insulation, Foam Block, 1 in. x 3 in. (not shown)
56	1	0304419	Insulation, Foam Adhesive-Backed, 2½ in. x ½ in. (not shown)
57	2	0304417	Insulation, Foam Adhesive-Backed, 7 in. x ½ in. (not shown)
58	2	0014491	Cord Grip, Encoder (not shown, used w/ item 32)
59	1	0014791	Cord grip, ½ in. NPT (not shown, used w/ item 32, high-voltage junction box)

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PARTS LIST—HEAD ASSEMBLY — WARM-SIDE MOUNTED

HEAD ASSEMBLY — WARM-SIDE MOUNTED

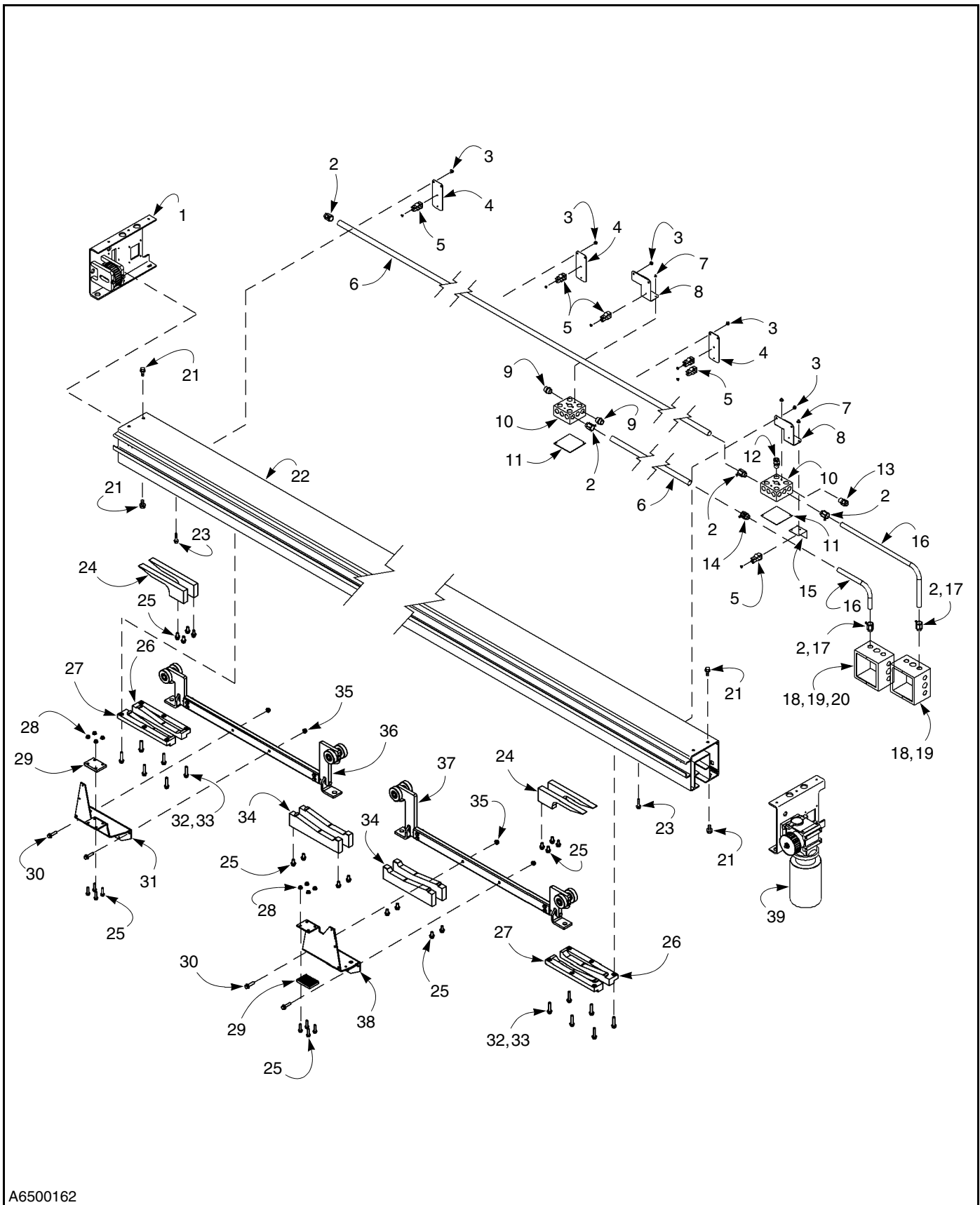


Figure 53

PARTS LIST—HEAD ASSEMBLY — WARM-SIDE MOUNTED

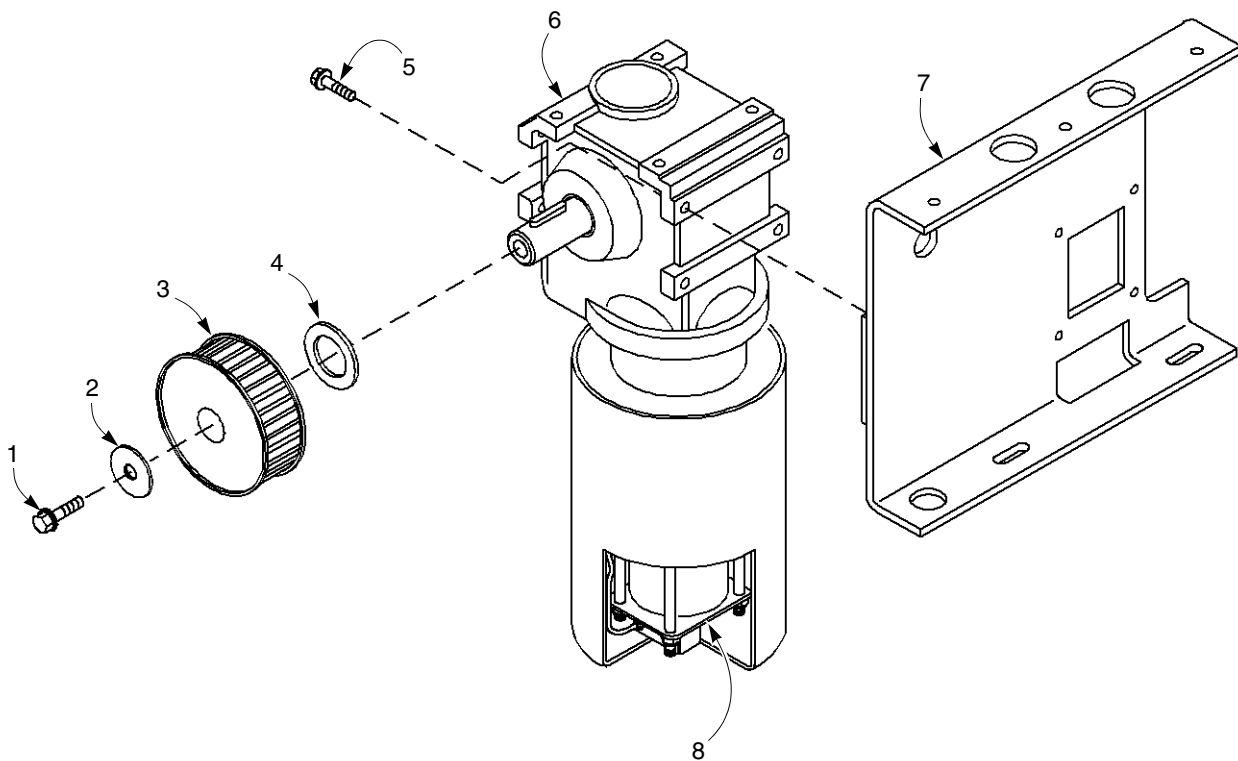
ITEM	QTY.	PART #	DESCRIPTION	ITEM	QTY.	PART #	DESCRIPTION
-	1	Consult Factory	Head Assembly	24	4	0305414	Kick-Up Block
1	1	0399542	Idler Assembly, Left (see page 40 for parts breakdown)	25	16	0550330	Screw, 3/8-16 x 1 in. Serrated-Flange
	1	0399533	Idler Assembly, Right (see page 42 for parts breakdown)	26	2	0305410	Drop Block, Lower Left
2	6	0014782	Straight Connector, 3/4 in., 1/2 in. Knockout	27	2	0305411	Drop Block, Lower Right
3	10	0021603	Screw, Serrated-Flange, 1/4-20 UNC x 3/8 in. Long	28	8	0021719	Riv Nut, 3/8-16 Knurled Aluminum, 0.150-0.312 Grip
4	3	0303461	Support, Conduit	29	2	0303417	Clamp, Drive Belt
5	6	0304413	Hanger, 3/4 in. Conduit (includes bolt)	30	4	0021689	Screw, 3/8-16 x 1 1/2 in. Serrated-Flange GR5.2, STL ZN
6	2	0318017***	Conduit, 3/4 in. EMT, Motor End	31	1	0303415	Come-Along Bracket, Short
7	11	0021752	Screw, #10-24 x 1/4 in., Serrated Hex Washer Head, UNC ZN	32	12	0021689	Screw, 3/8-16 x 1 1/2 in. Serrated-Flange GR5.2, STL ZN
8	2	0303460	Support, Junction Box	33	13	0021719	Riv Nut, 3/8-16 Knurled Aluminum, 0.150-0.312 Grip (not shown, used with item 32)
9	2	0014790	Service Connector, Straight, 1/2 in. (for non-metallic cable)	34	4	0305412	Drop Block, Upper Right
10	2	0304409	Junction Box	35	4	0553229	Nut, 3/8-16 Serrated-Flange Hex
11	2	0304410	Cover, Junction Box, 4 in. x 4 in. Flat	36	1	0399402	Trolley Assembly, Left (see page 44 for parts breakdown)
12	1	0014491	Cord Grip, Encoder	37	1	0399403	Trolley Assembly, Right (see page 46 for parts breakdown)
13	2	0014001	Cord Grip, 1/2 in. NPT	38	1	0303416	Come-Along Bracket, Long
14	1	0014785	Coupling Connector, 3/4 in.	39	1	0399416	Drive Assembly, Right (see page 38 for parts breakdown)
15	1	0303472	Support Clip, Conduit		1	0399438	Drive Assembly, Left (see page 36 for parts breakdown)
16	2	0318014	Conduit, Flexible, 3/8 in. x 36 in. Long	40	1	0318020	Bushing, 1/2 in. Plastic Insulating (not shown, used with item 20)
17	2	0014492	Nut, Cord Grip (not shown)				
18	2	0304407	Junction Box, 6 in. x 6 in. x 4 in., NEMA 1, Galv.				
19	2	0014491	Cord Grip, Encoder (not shown)				
20	1	0014791	Cord Grip, 1/2 in. (not shown, used with item 18)				
21	8	0550254	Screw, 3/8-16 x 3/4 in. Serrated-Flange				
22	1	Consult Factory	Head Extrusion				
23	2	0021689	Screw, 3/8-16 x 1 1/2 in. Serrated-Flange GR5.2, STL ZN				

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PARTS LIST—LEFT DRIVE ASSEMBLY

LEFT DRIVE ASSEMBLY



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Figure 54

PARTS LIST—LEFT DRIVE ASSEMBLY

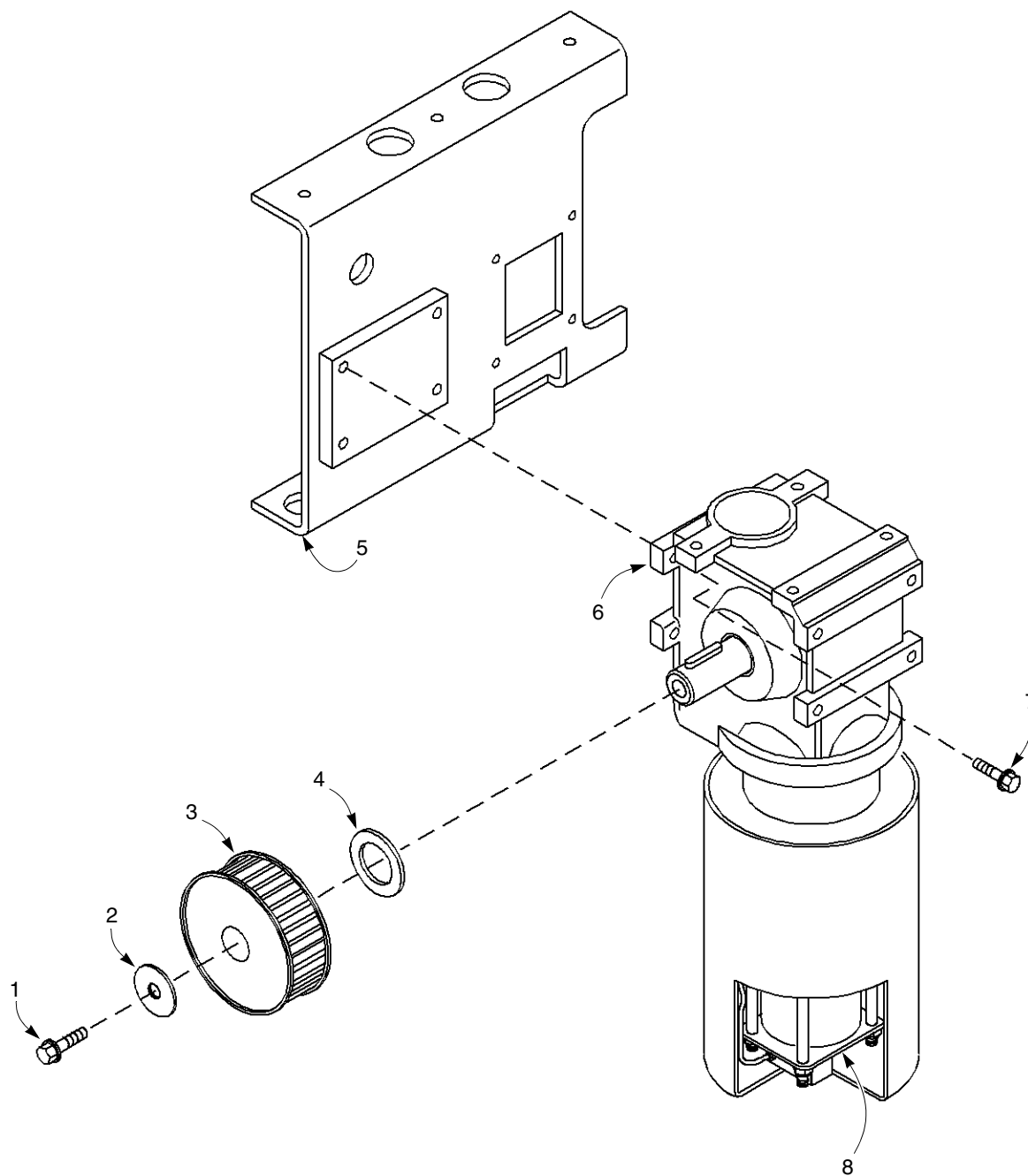
ITEM	QTY.	PART #	DESCRIPTION
-	1	0399514	Drive Assembly, Left
1	1	0550016	Screw, 1/4-20 x 3/4 in. Serrated-Flange
2	1	0555149	Washer, Fender, 0.25 I.D. x 1 in. O.D.
3	1	0303445	Drive Pulley, Arctec
4	1	0555144	Washer, Wide Flange, 0.781 x 1 1/2 x 0.120 in., STL ZN
5	4	0550301	Screw, 5/16-18 x 3/4 in., Serrated-Flange Hex Head
6	1	0399521	Gear Motor Assembly, SEW, System 3
7	1	0399541	Bracket, Weldment, Left Drive, 110V Blower
8	1	00141028	Encoder, Feig

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PARTS LIST—RIGHT DRIVE ASSEMBLY

RIGHT DRIVE ASSEMBLY



A6500175

Figure 55

PARTS LIST—RIGHT DRIVE ASSEMBLY

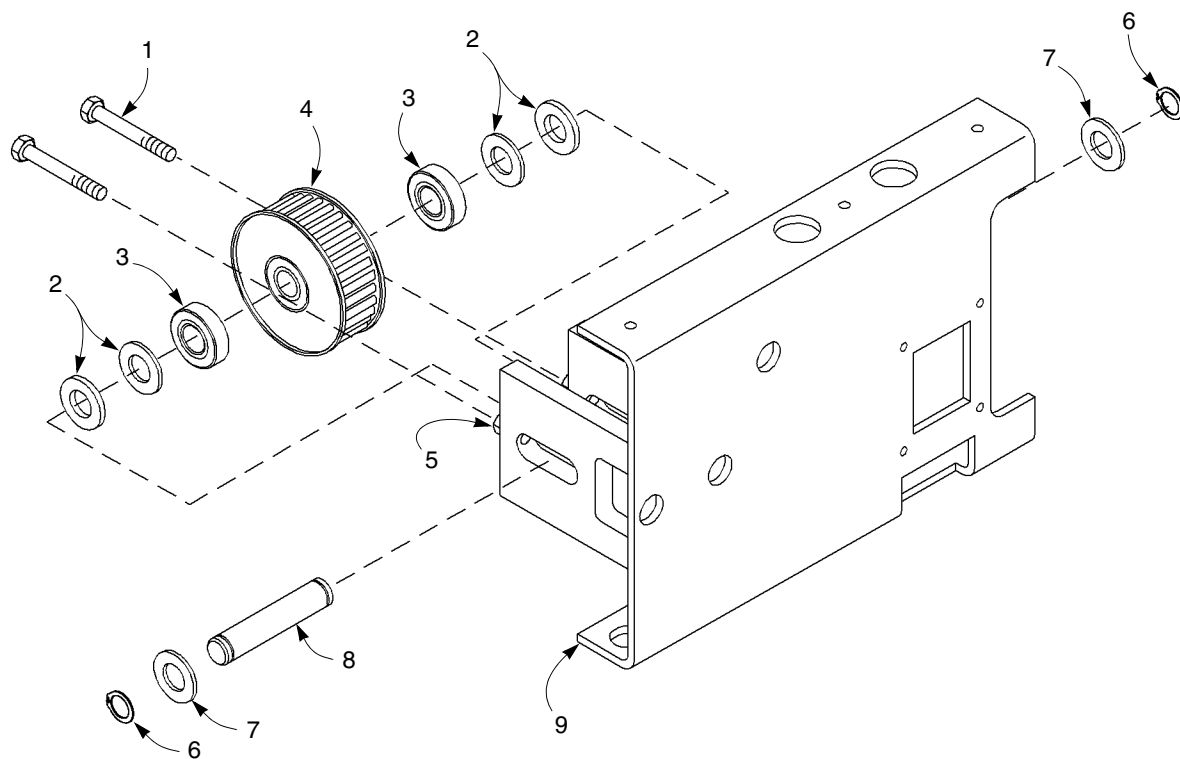
ITEM	QTY.	PART #	DESCRIPTION
-	1	0399520	Drive Assembly, Right
1	1	0550016	Screw, 1/4-20 x 3/4 in. Serrated-Flange
2	1	0555149	Washer, Fender, 0.25 I.D. x 1 in. O.D.
3	1	0304445	Drive Pulley, Arctec
4	1	0555144	Washer, Wide Flange, 0.781 x 1 1/2 x 0.120 in., STL ZN
5	1	0399539	Bracket, Weldment, Right Drive, 110V Blower
6	1	0399521	Gear Motor Assembly, SEW, System 3
7	4	0550301	Screw, 5/16-18 x 3/4 in., Serrated-Flange Hex Head
8	1	00141028	Encoder, Feig

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PARTS LIST—LEFT IDLER ASSEMBLY

LEFT IDLER ASSEMBLY



A6500167

Figure 56

PARTS LIST—LEFT IDLER ASSEMBLY

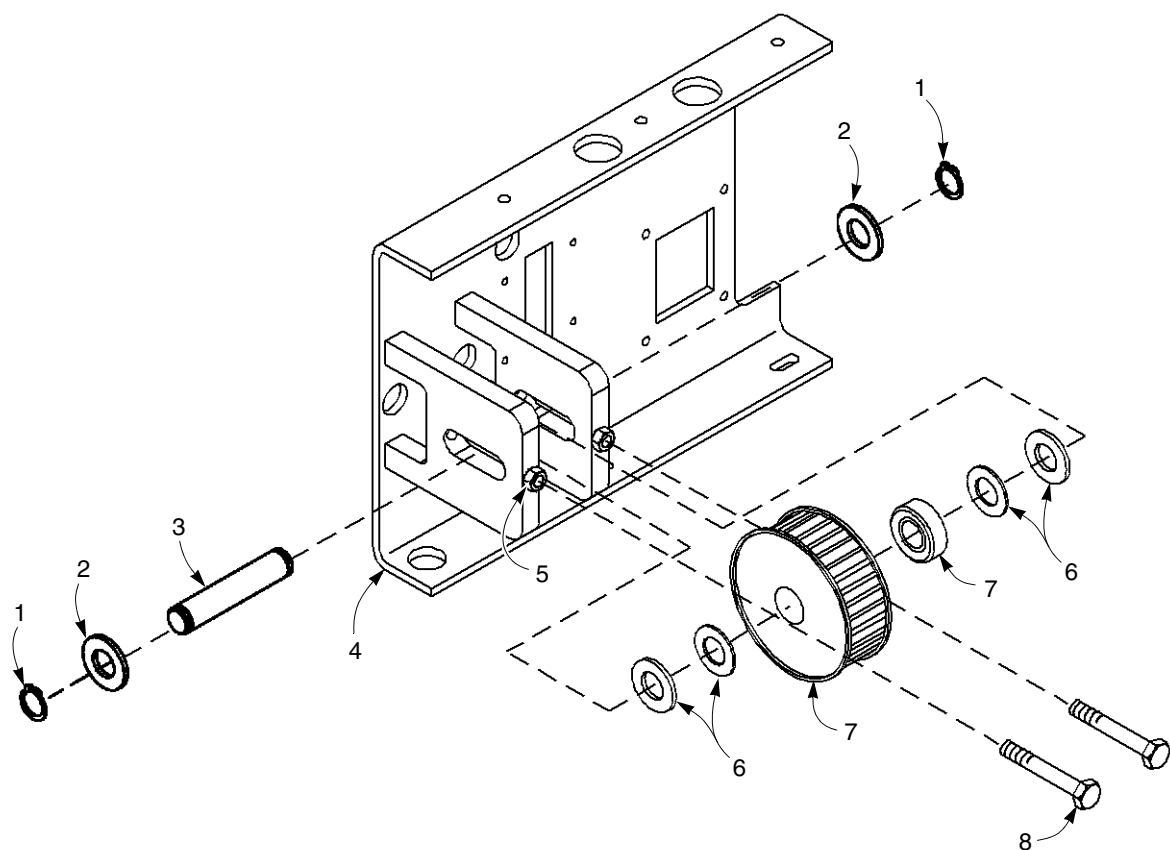
ITEM	QTY.	PART #	DESCRIPTION
-	1	0399542	Idler Assembly, Left Drive
1	2	0550010	Screw, Hex $\frac{3}{8}$ -16 x $2\frac{3}{4}$ in.
2	4	0555144	Washer, Wide Flange, 0.781 x $1\frac{1}{2}$ x 0.120 in., STL ZN
3	2	0204039	Bearing, Roller, $\frac{3}{4}$ in. Bore x $1\frac{5}{8}$ in. O.D. x $\frac{1}{2}$ in. Width
4	1	0303445	Pulley, Drive
5	2	0553091	Nut, $\frac{3}{8}$ -16 Hex
6	2	0558168	Retaining Ring, Truarc 5160-75
7	2	0003068	Washer, $\frac{3}{4}$ in. x 1.375 O.D., Bronze
8	1	0303401	Shaft, Idler
9	1	0399540	Bracket, Weldment, Left Drive, 110V Blower

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PARTS LIST—RIGHT IDLER ASSEMBLY

RIGHT IDLER ASSEMBLY



A6500176

Figure 57

PARTS LIST—RIGHT IDLER ASSEMBLY

ITEM	QTY.	PART #	DESCRIPTION
-	1	0399533	Idler Assembly, Right Drive
1	2	0558168	Retaining Ring, Truarc 5160-75
2	2	0003068	Washer, ¼ in. x 1.375 O.D., Bronze
3	1	0303401	Shaft, Idler
4	1	0399534	Bracket, Weldment, Right Drive, 110V Blower
5	2	0553091	Nut, ⅜-16 Hex
6	4	0555144	Washer, Wide Flange, 0.781 x 1½ x 0.120 in., STL ZN
7	1	0349697	Pulley (w/ Bearing), Ten- sion
8	2	0550010	Screw, Hex ⅜-16 x 2¾ in.

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LEFT TROLLEY ASSEMBLY



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PARTS LIST—LEFT TROLLEY ASSEMBLY

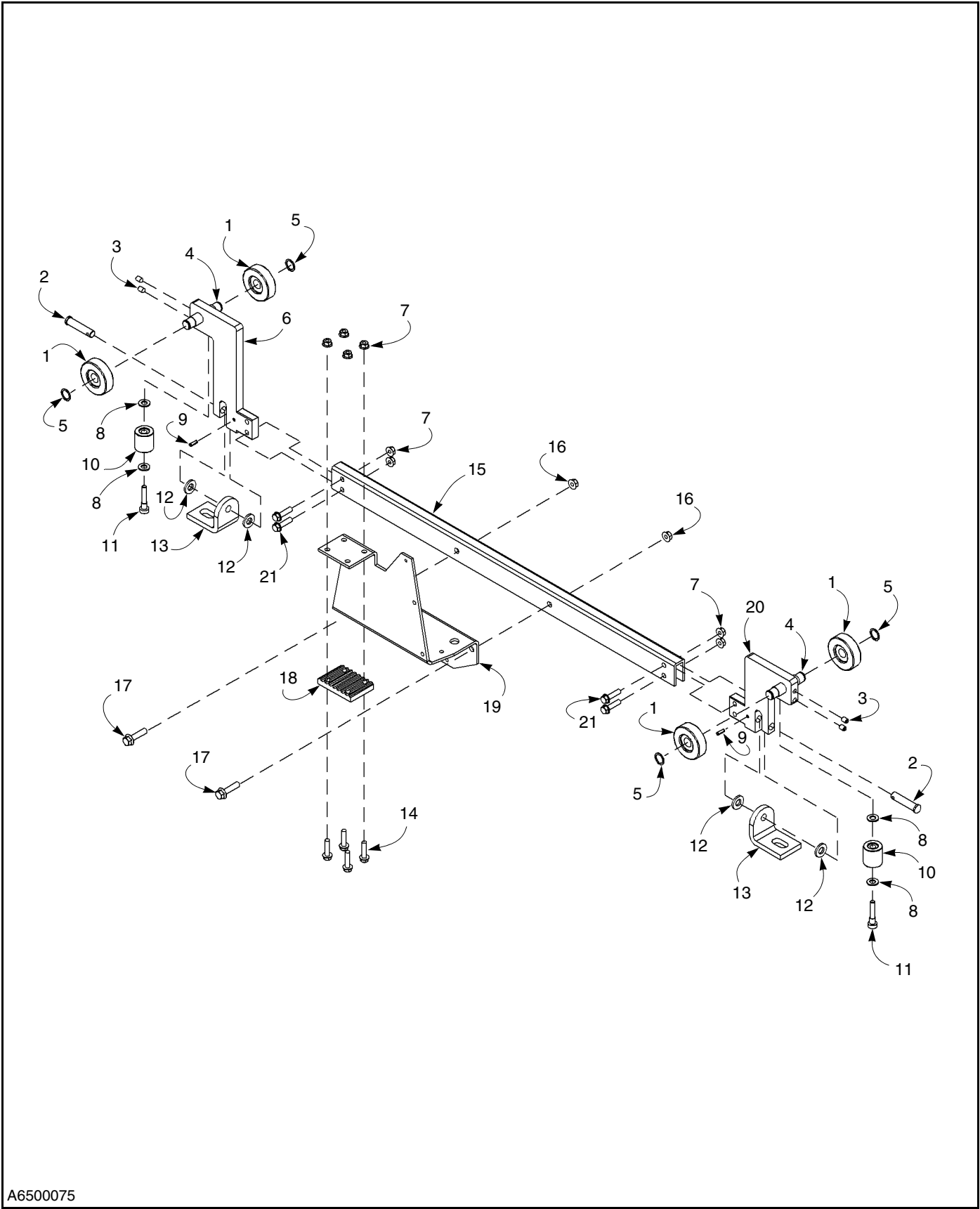
ITEM	QTY.	PART #	DESCRIPTION
-	1	0399402	Trolley Assembly, Left
1	4	0304123	Track Roller, 2½ in. Dia.
2	2	S021718	Clevis Pin, ½ in. Dia. x 2¼ in. Long, SS
3	4	0021033	Set Screw, Knurled Point, ⅝-18 x ½ in.
4	2	0303413	Trolley Axle
5	4	0021699	Retaining Ring, External, 17 mm Heavy-Duty
6	8	0553104	Hex Nut, ⅝-18 HLNSF, STL ZN
7	1	0303417	Clamp, Drive Belt, Machined
8	1	0303411	Trolley Body, Short
9	2	0021700	Roll Pin, ⅝ in. x ⅝ in. Long, STL ZN
10	4	0021715	Washer, M10 Flat, STL ZN
11	4	0021717	Bronze Washer, ½ in. x 1 in. x ⅛ in.
12	2	0305442	Guide Roller
13	2	0021760	Screw, 10 mm x 25 mm Long, SHSS
14	2	0303414	Angle, Panel Hanger
15	4	0550060	Hex-Flange Sheet Metal Screw, ⅝-18 x 1 in, GR5.2, STL ZN
16	1	0301427	Spreader Channel
17	2	0553229	Nut, ⅝-16 Serrated, STL ZN
18	2	0550330	Hex-Flange Sheet Metal Screw, ⅝-16 x 1 in., GR5.2, STL ZN
19	1	0303415	Come-Along Bracket, Short
20	1	0303410	Trolley Body, Long
21	4	0550193	Hex-Flange Sheet Metal Screw, ⅝-18 x 1¼ in.

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PARTS LIST—RIGHT TROLLEY ASSEMBLY

RIGHT TROLLEY ASSEMBLY



A6500075

Figure 59

PARTS LIST—RIGHT TROLLEY ASSEMBLY

ITEM	QTY.	PART #	DESCRIPTION
-	1	0399403	Trolley Assembly, Right
1	4	0304123	Track Roller, 2½ in. Dia.
2	2	S021718	Clevis Pin, ½ in. Dia. x 2¼ in. Long, SS
3	4	0021033	Set Screw, Knurled Point, ⅝-18 x ½ in.
4	2	0303413	Trolley Axle
5	4	0021699	Retaining Ring, External, 17 mm Heavy-Duty
6	1	0303410	Trolley Body, Long
7	8	0553104	Hex Nut, ⅝-18 HLNSF, STL ZN
8	4	0021715	Washer, M10 Flat, STL ZN
9	2	0021700	Roll Pin, ⅝ in. x ⅝ in. Long, STL ZN
10	2	0305422	Guide Roller
11	2	0021760	Screw, 10 mm x 25 mm Long, SHSS
12	4	0021717	Bronze Washer, ½ in. x 1 in. x ⅛ in.
13	2	0303414	Angle, Panel Hanger
14	4	0550060	Hex-Flange Sheet Metal Screw, ⅝-18 x 1 in., GR5.2, STL ZN
15	1	0301427	Spreader Channel
16	2	0553229	Nut, ⅜-16 Serrated, STL ZN
17	2	0550330	Hex-Flange Sheet Metal Screw, ⅜-16 x 1 in., GR5.2, STL ZN
18	1	0303417	Clamp, Drive Belt, Machined
19	1	0303416	Come-Along Bracket, Long
20	1	0303411	Trolley Body, Short
21	4	0550193	Hex-Flange Sheet Metal Screw, ⅝-18 x 1¼ in.

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PARTS LIST—ONE-WAY TROLLEY ASSEMBLY

ONE-WAY TROLLEY ASSEMBLY

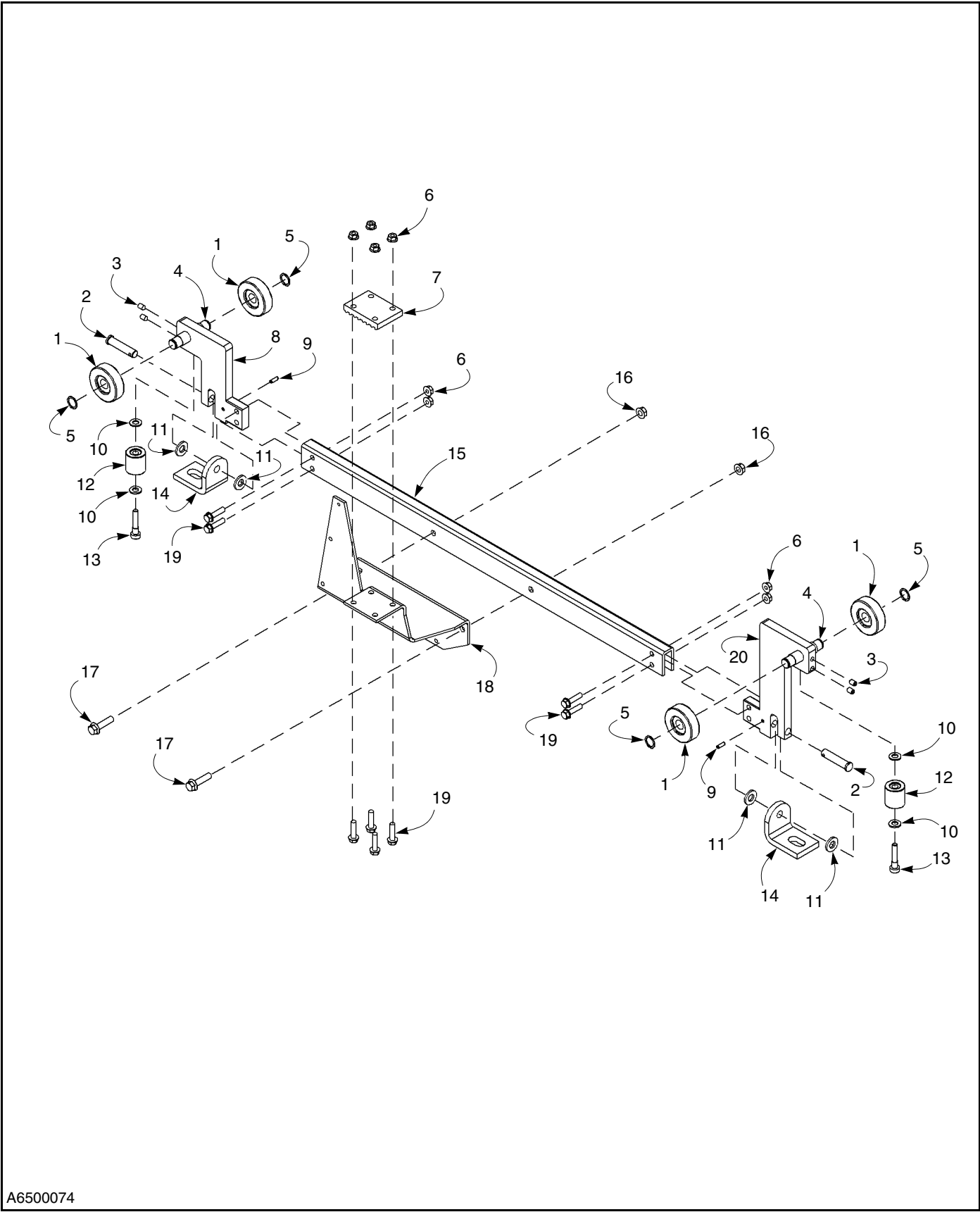


Figure 60

PARTS LIST—ONE-WAY TROLLEY ASSEMBLY

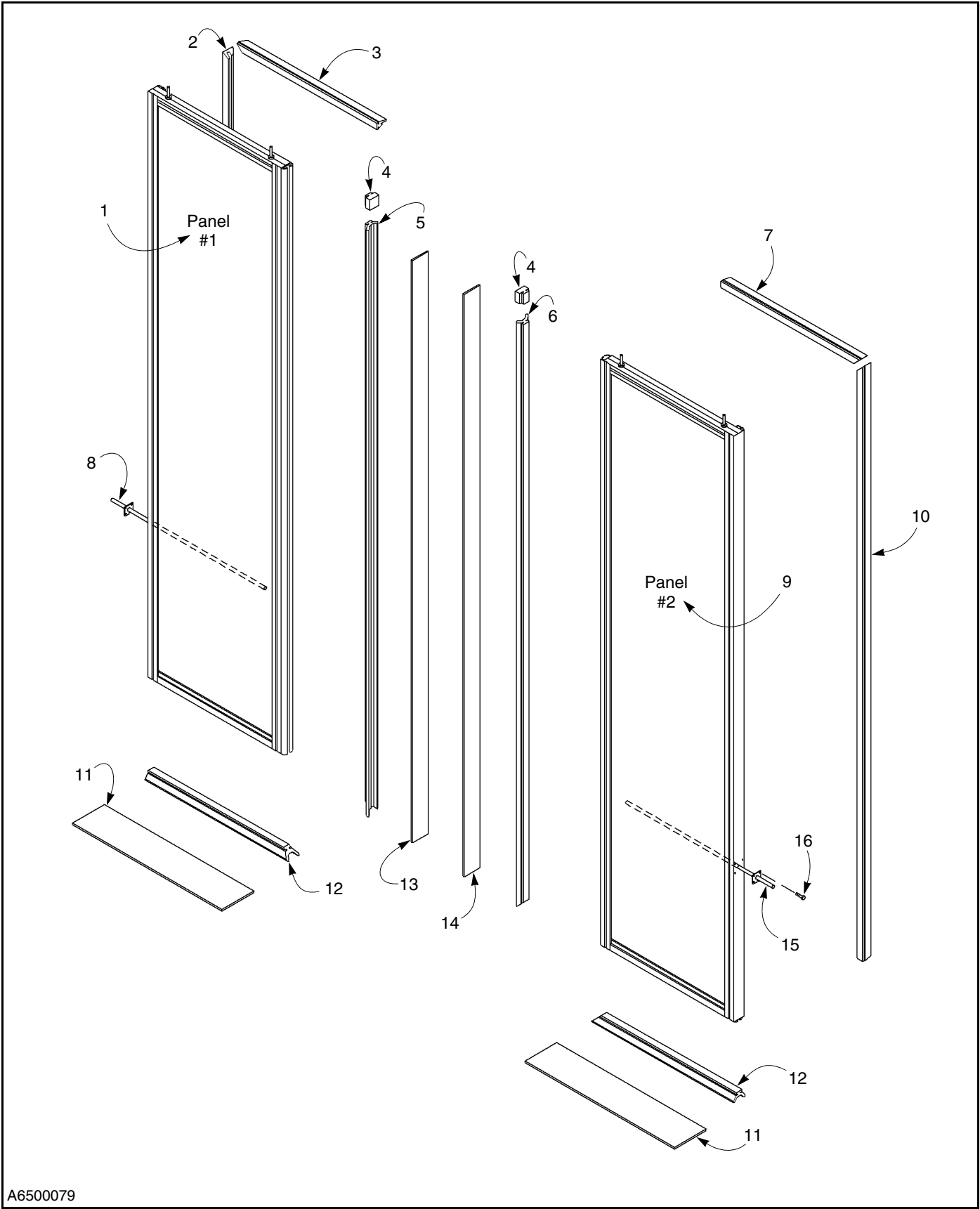
ITEM	QTY.	PART #	DESCRIPTION
-	1	0399489	Trolley Assembly, One-Way (Right Close)
-	1	0399509	Trolley Assembly, One-Way (Right Close)
1	4	0304123	Track Roller, 2½ in. Dia.
2	2	S021718	Clevis Pin, ½ in. Dia. x 2¼ in. Long, SS
3	4	0021033	Set Screw, Knurled Point, ⅝-18 x ½ in.
4	2	0303413	Trolley Axle
5	4	0021699	Retaining Ring, External, 17 mm Heavy-Duty
6	8	0553104	Hex Nut, ⅝-18 HLNSF, STL ZN
7	1	0303417	Clamp, Drive Belt, Machined
8	1	0303411	Trolley Body, Short
9	2	0021700	Roll Pin, ⅝ in. x ⅝ in. Long, STL ZN
10	4	0021715	Washer, M10 Flat, STL ZN
11	4	0021717	Bronze Washer, ½ in. x 1 in. x ⅛ in.
12	2	0305442	Guide Roller
13	2	0021760	Screw, 10 mm x 25 mm Long, SHSS
14	2	0303414	Angle, Panel Hanger
15	1	0303444	Spreader Tube
16	2	0553229	Nut, ⅜-16 Serrated, STL ZN
17	2	0021689	Screw, ⅜-16 x 1½ in. Serrated-Flange GR5.2, STL ZN
18	1	0303415	Come-Along Bracket, Short
19	8	0550193	Hex-Flange Sheet Metal Screw, ⅝-18 x 1¼ in.
20	1	0303410	Trolley Body, Long

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PARTS LIST—DOOR PANELS (BI-PARTING)

DOOR PANELS (BI-PARTING)



A6500079

Figure 61

PARTS LIST—DOOR PANELS (BI-PARTING)

ITEM	QTY.	PART #	DESCRIPTION
1	1	Consult Factory	Panel #1 Assembly, Arctec Bi-Parting Door (See Page 54 for additional parts breakdown)
2	1	Consult Factory	Jamb Seal, ARC2, Panel 1
3	1	Consult Factory	Header Seal, ARC2, Panel 1
4	2	Consult Factory	Top Nose Seal, ARC2, Panels 1 and 2
5	1	Consult Factory	Nose Seal, Socket Side, ARC2, Panel 1
6	1	Consult Factory	Nose Seal, Ball Side, ARC2, Panel 2
7	1	Consult Factory	Header Seal, ARC2, Panel 2
8	1	Consult Factory	Retention Rod, Left, Bi-Parting Door

ITEM	QTY.	PART #	DESCRIPTION
9	1	Consult Factory	Panel #2 Assembly, Arctec Bi-Parting Door (See Page 54 for additional parts breakdown)
10	1	Consult Factory	Jamb Seal, ARC2, Panel 2
11	2	Consult Factory	Vinyl Cover, Bottom Seal, Low Temperature
12	2	Consult Factory	Bottom Seal, ARC2, Panels 1 and 2
13	1	Consult Factory	Vinyl Cover, Socket Side Nose Seal, Low Temperature
14	1	Consult Factory	Vinyl Cover, Ball Side Nose Seal, Low Temperature
15	1	Consult Factory	Retention Rod, Right, Bi-Parting Door
16	3	0021729	Screw, Phillips Flat-Head, #10 x 1 in., Panel 2
	3	0021729	Screw, Phillips Flat-Head, #10 x 1 in., Panel 1 (not shown)

ALWAYS INCLUDE SERIAL NUMBER OF DOOR WHEN PLACING ORDER

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PARTS LIST—DOOR PANEL (ONE-WAY)

DOOR PANEL (ONE-WAY)

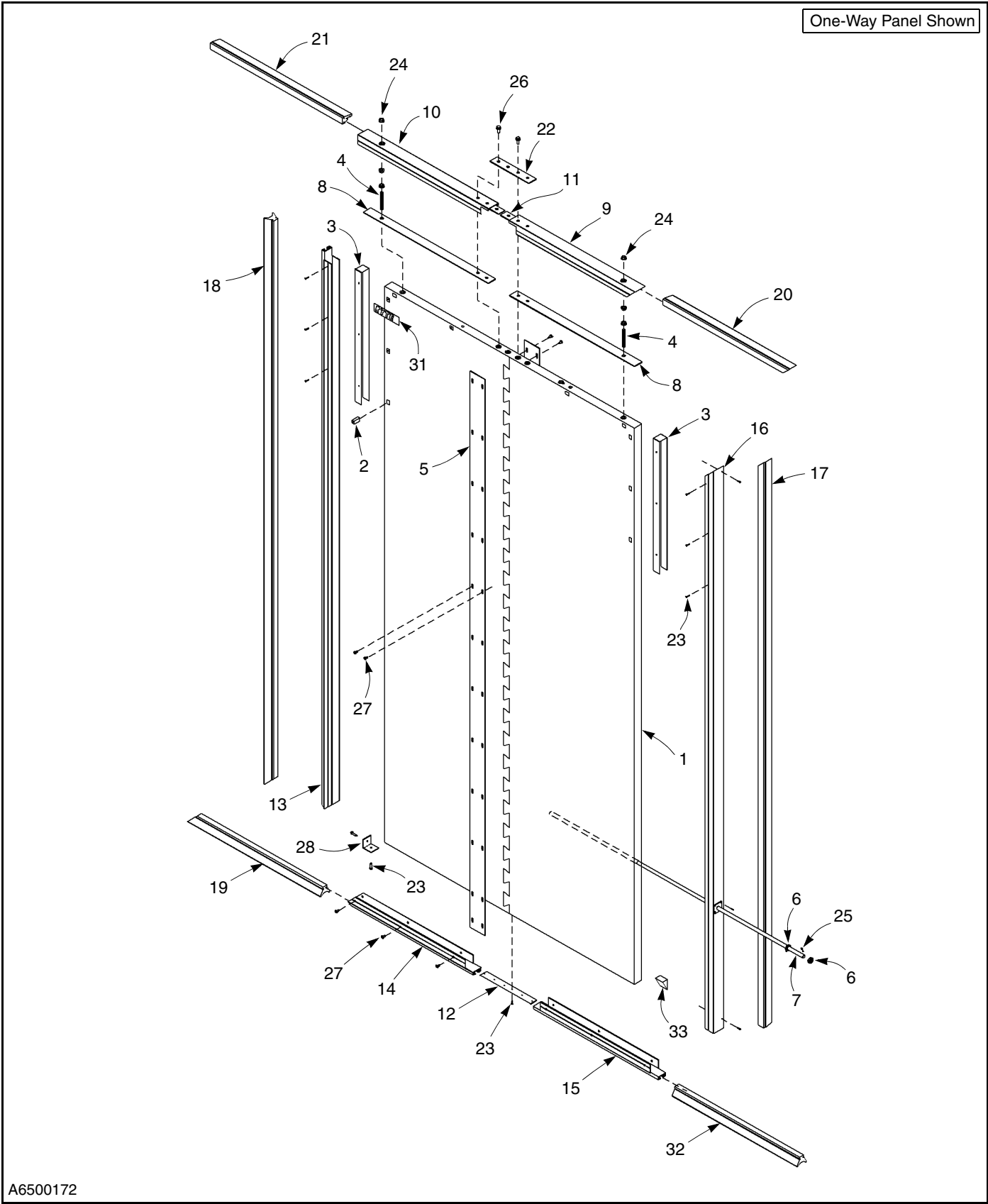


Figure 62

PARTS LIST—DOOR PANEL (ONE-WAY)

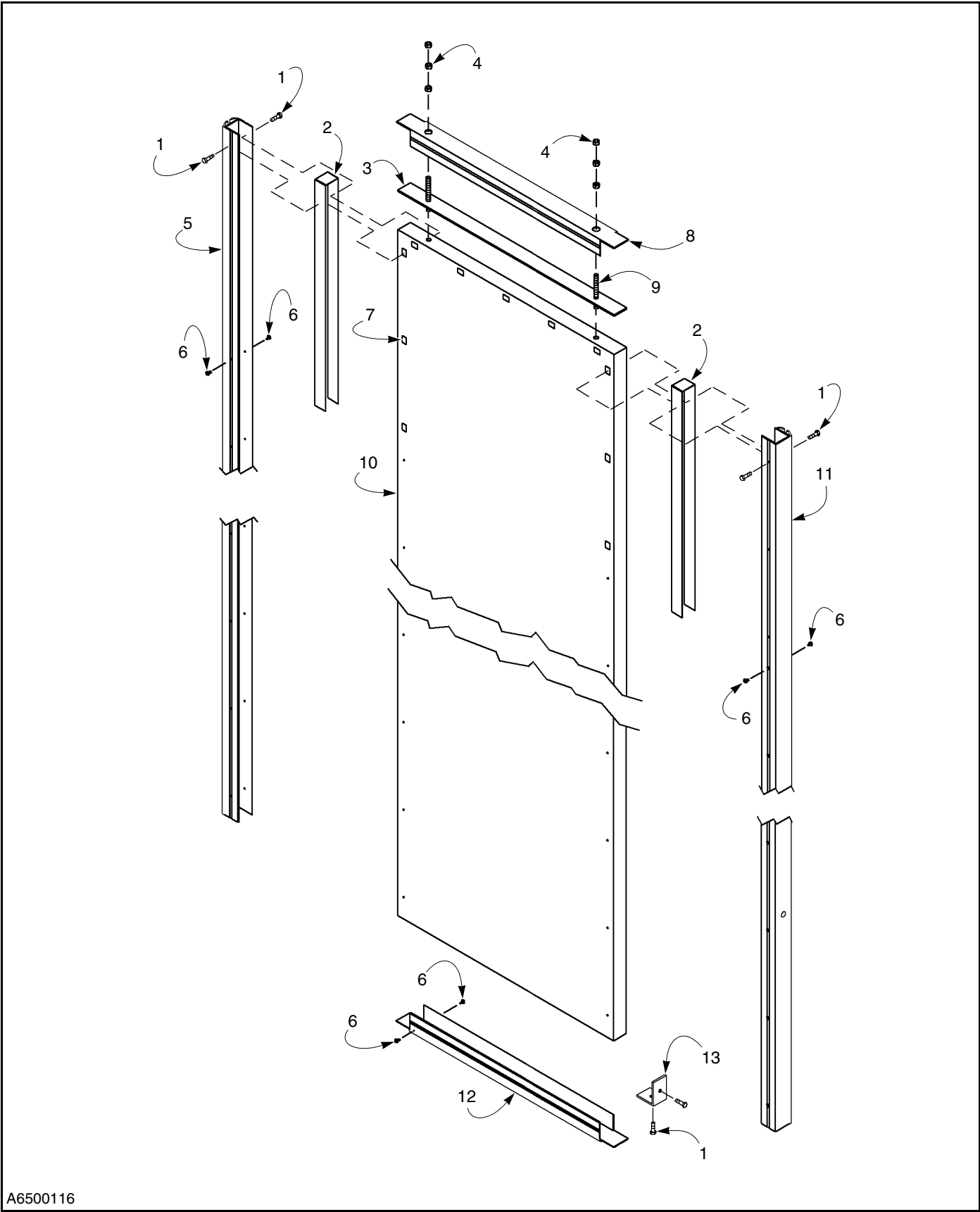
ITEM	QTY.	PART #	DESCRIPTION
1	1	Consult Factory	Panel 1 & 2 AB2
2	11	Consult Factory	Plug, Panel
3	2	Consult Factory	Strap, Panel Support
4	2	Consult Factory	Rod, Panel Hanging, Arctec ¾ in. x 6 in. Long
5	2	Consult Factory	Cover, Splice Panel, One-Way
6	2	Consult Factory	Assembly, Shaft Collar for Spring Retention
7	1	Consult Factory	Weldment, Panel Rod, One-Way Arctec, RH
	1	Consult Factory	Weldment, Panel Rod, One-Way Arctec, LH
8	2	Consult Factory	Weldment, Panel Hanging One-Way, Split
9	1	Consult Factory	Cap, Panel Top, One-Way, Jamb, Closes Left
	1	Consult Factory	Cap, Panel Top, One-Way, Jamb, Closes Right
10	1	Consult Factory	Cap, Panel Top, One-Way, Nose, Closes Left
	1	Consult Factory	Cap, Panel Top, One-Way, Nose, Closes Right
11	2	Consult Factory	Splice Bar, Top, One-Way, Fiberglass
12	1	Consult Factory	Splice Bar, Bottom, One-Way, Fiberglass
13	1	Consult Factory	Panel Cap, Nose
14	1	Consult Factory	Panel Cap, Bottom, One-Way Nose, Closes Left
15	1	Consult Factory	Panel Cap, Bottom, One-Way
16	1	Consult Factory	Panel Cap, Jamb, RH
	1	Consult Factory	Panel Cap, Jamb, LH

ITEM	QTY.	PART #	DESCRIPTION
17	1	Consult Factory	Jamb Seal, Arctec, Panel 1
	1	Consult Factory	Jamb Seal, Arctec, Panel 2
18	1	Consult Factory	Nose Seal, One-Way
19	1	Consult Factory	Bottom Seal, One-Way, Nose
20	1	Consult Factory	Top Seal, One-Way, Jamb, Closes Right
	1	Consult Factory	Top Seal, One-Way, Jamb, Closes Left
21	1	Consult Factory	Top Seal, One-Way, Nose
22	1	Consult Factory	Clamping Bar, Split Panel Hanging Bracket
23	48	0021765	Screw, Flat Top Washer Head Phillips, Black
24	6	0021765	Nut, ¾ in.-10 UNC, Ser- rated- Flange, Zinc
25	3	0021729	Phillips Flat Head Tapping Screw, #10 x 1, STL ZN
26	4	0021769	HHCS, ⅝ in. x 1½ in., GR5 ZN
27	85	0021754	Tree Rivet, Non-Remov- able, Dia. 25/64 in., Shank 1.114
28	1	Consult Factory	Corner Angle, Fiberglass, Rework, Arctec
29	1	Consult Factory	Vinyl Cover, Bottom Seal, One-Way, Low Temperature (Not Shown)
30	1	Consult Factory	Vinyl Cover, Nose Seal, One-Way, Low Temperature (Not Shown)
31	1	0016618	Decal, Small, 10 x 2.75 in.
32	1	Consult Factory	Bottom Seal, One-Way, Jamb
33	1	Consult Factory	Wedge, Foam, Arctec Panels

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INSULATED PANEL



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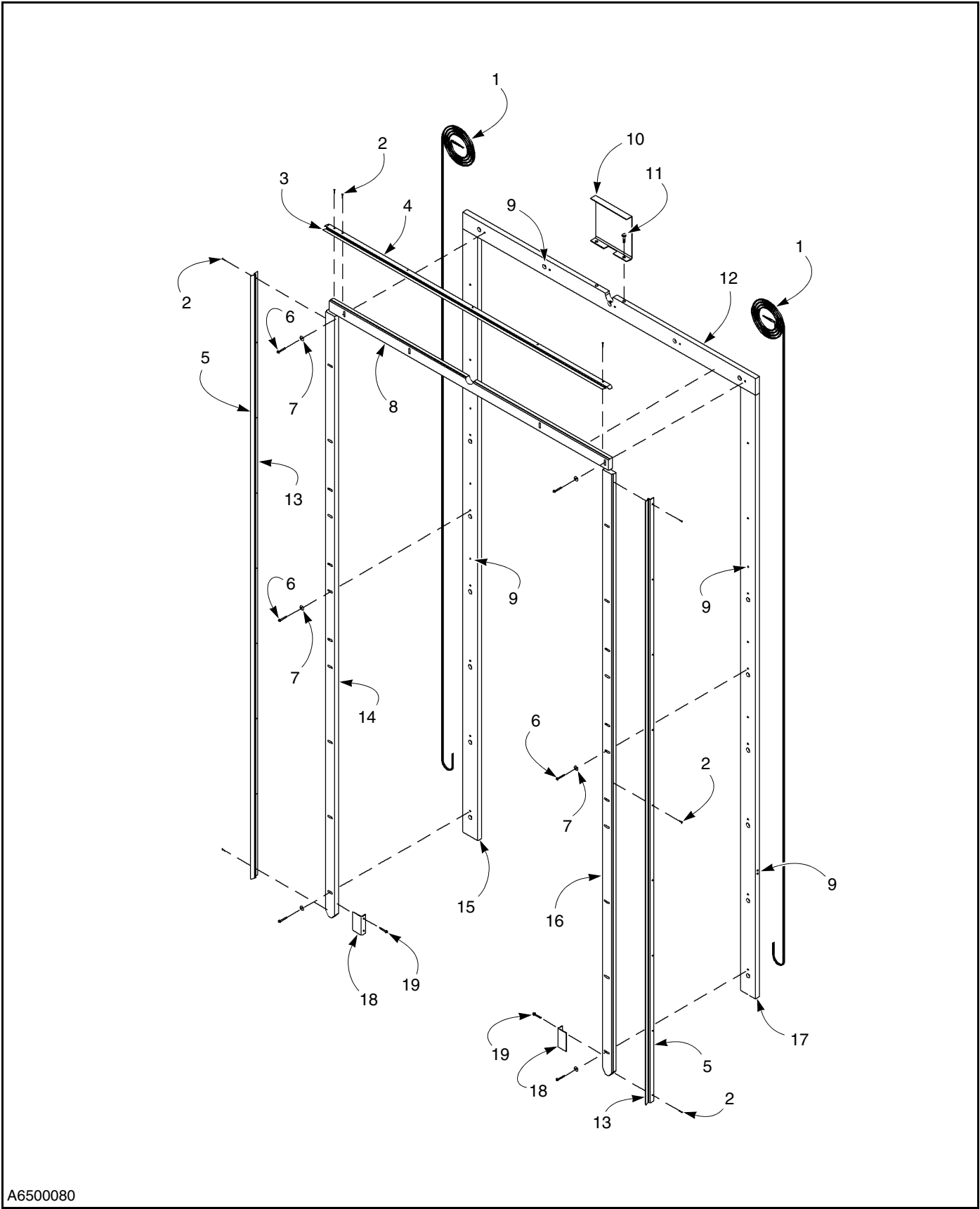
Figure 63

ITEM	QTY.	PART #	DESCRIPTION
-	1	Consult Factory	Panel #1 Assembly, Arctec Bi-Parting Door
-	1	Consult Factory	Panel #2 Assembly, Arctec Bi-Parting Door
1	36	0021725	Screw, Phillips Head, Flat- Top Washer, Black, Panel 1
	35	0021725	Screw, Phillips Head, Flat- Top Washer, Black, Panel 2
2	2	Consult Factory	Strap, Panel Support
3	1	Consult Factory	Weldment, Panel Hanging
4	6	0021765	Nut, ¾ in. Hex, STL ZN
5	1	Consult Factory	Panel Cap, Nose
6	38	0021754	Tree Rivet, Panel 1, Non-Removable
	34	0021754	Tree Rivet, Panel 2, Non-Removable
7	11	Consult Factory	Plug, Panel
8	1	Consult Factory	Panel Cap, Top, Left
	1	Consult Factory	Panel Cap, Top, Right
9	2	Consult Factory	Rod, Panel Hanging, ¾ in. x 6 in.
10	1	Consult Factory	Panel, ARC2
11	1	Consult Factory	Panel Cap, Jamb, Left
	1	Consult Factory	Panel Cap, Jamb, Right
12	1	Consult Factory	Panel Cap, Bottom
13	1	Consult Factory	Corner Angle, Fiberglass
14	1	0016618	Decal, Small, 10 in. x 2¾ in. Panel 1 (not shown)

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SEAL ASSEMBLIES



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Figure 64

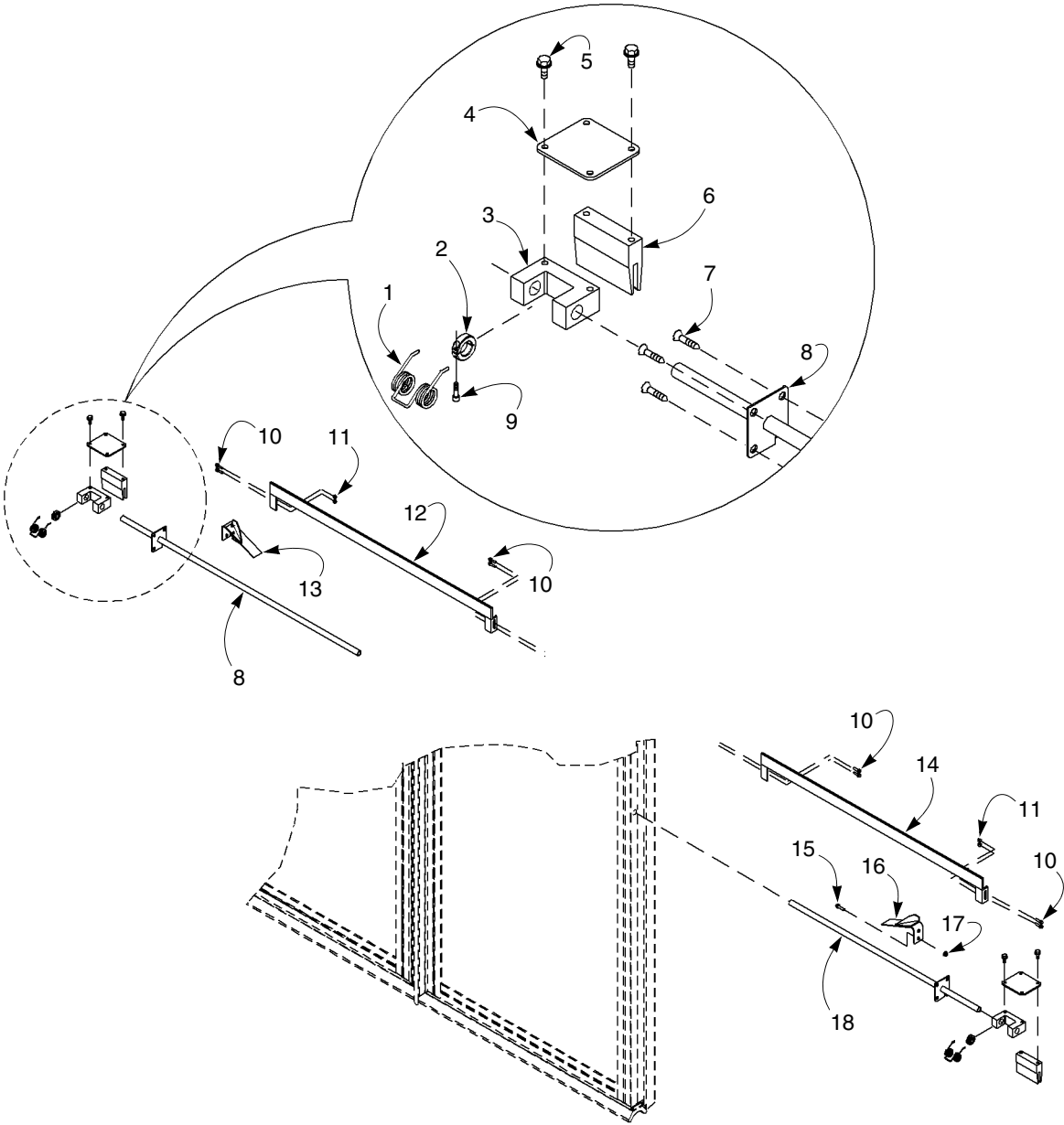
ITEM	QTY.	PART #	DESCRIPTION
-	1	0399426***	Header Seal Assembly
-	1	0399502***	Jamb Seal Assembly, Left
-	1	0399503***	Jamb Seal Assembly, Right
1	2	0399424***	Heat Tape, Self-Regulating (Bi-Parting Door)
	1	0399494***	Heat Tape, Self-Regulating (One-Way Door)
2	A/R	0021729	Phillips Head Self-Tapping Screw, #10 x 1 in., STL ZN
3	1	0007178***	Seal, EPDM, 1¼ in.
4	1	0318012***	Track, Header
5	2	0318011***	Track, Jamb Sides
6	A/R	0021554	Hex-Flange Sheet Metal Screw, ⅝-18 x 2½ in., GR5.2, STL ZN
7	A/R	0021728	Washer, ⅝ Fender, 1½ in. O.D., ZN
8	1	0318004***	Seal Board, 2 x 4 Header
9	A/R	0021727	Threaded Insert, ⅝-18 UNC, Hex-Drive, No Flange
10	1	0302474	Heat Tape Deflector
11	2	0550301	Screw, ⅝-18 x ¾ in. Serrated-Flange
12	1	0318006***	Header Frame, 2 x 6
13	2	0007178***	Seal, EPDM, 1¼ in.
14	1	0318019***	Jamb Seal Board, 2 x 4 Left
15	1	0318005***	Jamb Frame, Left 2 x 6 Side
16	1	0318003***	Jamb Seal Board, 2 x 4 Right
17	1	0318023***	Jamb Frame, Right 2 x 6 Side
18	2	0303477	Heat Tape Guard
19	4	0021729	Screw, #10 x 1 in., STL ZN, PH

A/R = As required

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DOOR RETENTION SYSTEM



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Figure 65

PARTS LIST—DOOR RETENTION SYSTEM

ITEM	QTY.	PART #	DESCRIPTION
1	2	0304450	Torsion Spring (Bi-Parting Door)
	2	0304442	Torsion Spring (One-Way Door)
2	2	0399519	Shaft Collar, Spring Retention
3	2	0399579	Retention Block (Bi-Parting Door)
	1	0399590	Retention Block (One-Way Door)
4	2	0303196	Adjustment Plate (Bi-Parting Door)
	1	0303201	Adjustment Plate (One-Way Door)
5	8	0550261	Screw, 3/8-16 x 1 1/4 in. Serrated-Flange Hex (Bi-Parting Door)
	4	0550261	Screw, 3/8-16 x 1 1/4 in. Serrated-Flange Hex (One-Way Door)
6	2	0305010	Retention Tab (Bi-Parting Door)
	1	0305457	Retention Tab (One-Way Door)
7	6	0021729	Phillips Head Self-Tapping Screw, #10 x 1 in., STL ZN (Bi-Parting Door)
	3	0021729	Phillips Head Self-Tapping Screw, #10 x 1 in., STL ZN (One-Way Door)
8	1	Consult Factory	Retention Rod, Left
9	2	0021070	Socket Head Cap Screw, 1/4-20 x 1 1/4 in., Black
10	8	0550193	Hex-Flange Sheet Metal Screw, 5/16-18 x 1 1/4 in., GR5.2, STL ZN (Bi-Parting Door)
	4	0550193	Hex-Flange Sheet Metal Screw, 5/16-18 x 1 1/4 in., GR5.2, STL ZN (One-Way Door)

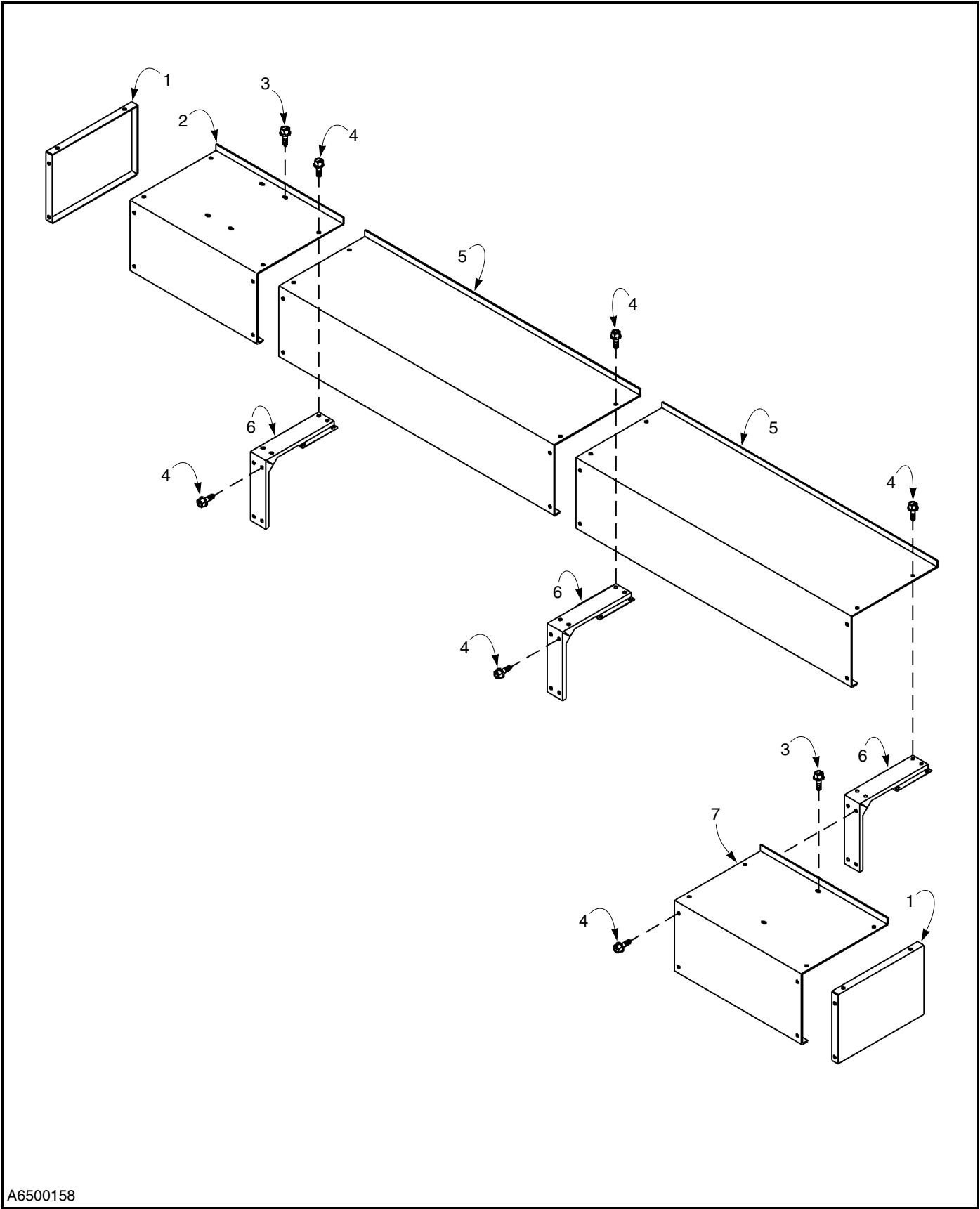
ITEM	QTY.	PART #	DESCRIPTION
11	4	0553104	Hex Nut, 5/16-18 HLNSF, STL ZN (Bi-Parting Door)
	2	0553104	Hex Nut, 5/16-18 HLNSF, STL ZN (One-Way Door)
12	1	Consult Factory	Door Retention Bar, Left
13	1	Consult Factory	Ramp Assembly, Left
	1	0303197	Ramp, Left Retention Block (included with item 13)
	1	0303199	Deflector Tab, Retention Block, Left (included with item 13)
	4	0021603	Screw, 1/4-20 x 3/8 Serrated-Flange (included with item 13)
14	1	0399480***	Door Retention Bar, Right
15	4	0550193	Hex-Flange Sheet Metal Screw, 5/16-18 x 1 1/4 in., GR5.2, STL ZN (Bi-Parting Door)
	2	0550193	Hex-Flange Sheet Metal Screw, 5/16-18 x 1 1/4 in., GR5.2, STL ZN (One-Way Door)
16	1	0399581	Ramp Assembly, Right
	1	0303198	Ramp, Right Retention Block (included with item 18)
	1	0303200	Deflector Tab, Retention Block, Right (included with item 18)
	2	0021603	Screw, 1/4-20 x 3/8 Serrated-Flange (included with item 18)
17	4	0553104	Hex Nut, 5/16-18 HLNSF, STL ZN (Bi-Parting Door)
	2	0553104	Hex Nut, 5/16-18 HLNSF, STL ZN (One-Way Door)
18	1	Consult Factory	Retention Rod, Right

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PARTS LIST—HOOD ASSEMBLY (OPTIONAL ITEM)

HOOD ASSEMBLY (OPTIONAL ITEM)



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Figure 66

PARTS LIST—HOOD ASSEMBLY (OPTIONAL ITEM)

ITEM	QTY.	PART #	DESCRIPTION
1	2	0302488	Hood End Cover
2	1	0302489	Hood Section, Idler Side
3	4	0550254	Screw, $\frac{3}{8}$ -16 x $\frac{3}{4}$ in. Serrated-Flange
4	40	0551041	Screw, $\frac{1}{4}$ -20 x 1 in. Self-Tapping
5	2	0302493	Hood, Center Section
6	3	0302487	Hood Brace
7	1	0302490	Hood Section, Drive Side

ALWAYS INCLUDE SERIAL NUMBER OF DOOR WHEN PLACING ORDER

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