GATEKEEPER™

INSTALLATION AND OWNER'S MANUAL

RITE HITE®

ALWAYS LOOKING AHEAD

THIS MANUAL COVERS ALL UNITS SHIPPED AUGUST 2012 TO DATE

PRINTED IN U.S.A.
RITE-HITE PRINT SHOP

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SEPTEMBER 2015

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PRODUCT INTRODUCTION

Thank you for purchasing the GATEKEEPER™ from RITE-HITE®.

IMPORTANT

Read and understand contents of this manual prior to installation or operation of this equipment.
For best results, have this product serviced by your authorized RITE-HITE®.

NOTICE TO USER

Your local RITE-HITE® Representative provides the Planned Maintenance Program (P.M.P.) which can be fitted to your specific operation. Call your local representative or RITE-HITE® at 1-414-355-2600 or toll free at 1-800-456-0600.

SAFETY

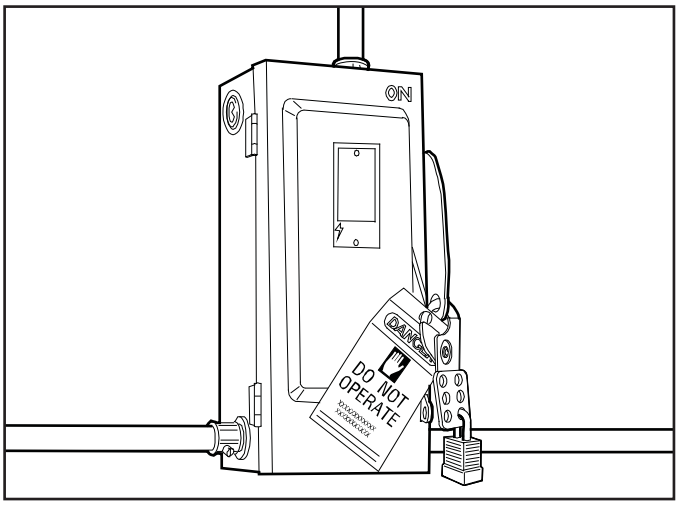

Figure 1

⚠ WARNING

When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations or your country's local standards and approved local electrical codes.

LOCKOUT / TAGOUT PROCEDURES

The Occupational Safety and Health Administration (OSHA) requires that, in addition to posting safety warnings and barricading the work area, the power supply has been locked in the OFF position or disconnected. It is mandatory that an approved lockout device is utilized. An example of a lockout device is illustrated in Figure 1. The proper lockout procedure requires that the person responsible for the repairs is the only person who has the ability to remove the lockout device.

In addition to the lockout device, it is also a requirement to tag the power control in a manner that will clearly note that repairs are under way and state who is responsible for the lockout condition. Tagout devices have to be constructed and printed so that exposure to weather conditions or wet and damp locations will not cause the tag to deteriorate or become unreadable.

RITE-HITE® Corporation does not recommend any particular lockout device, but recommends the utilization of a device that meets OSHA standards (refer to OSHA regulation 1910.147). RITE-HITE® Corporation also recommends the review and implementation of an entire safety program for the Control of Hazardous Energy (Lockout/Tagout). These regulations are available through OSHA publication 3120.

⚠ DANGER

Indicates a hazardous situation which, if not avoided, *will* result in death or serious injury.

⚠ CAUTION

Indicates a hazardous situation which, if not avoided, *could* result in minor or moderate injury.

⚠ WARNING

Indicates a hazardous situation which, if not avoided, *could* result in death or serious injury.

NOTICE

Indicates a situation which can cause damage to the equipment, personal property and/or the environment, or cause the equipment to operate improperly.

TOOLS AND COMPONENTS

TOOLS REQUIRED:

Hammer

C-clamp or Vise Grip Clamp

Drill and Impact Driver

.266” Drill Bit

Ratchet

3/8” Hex Driver

9/16” Wrench

9/16” Socket

7/16” Wrench

7/16 Socket

1/8” Allen Wrench

Flat Screwdriver

3 Foot Level

Appropriate shims

Ladder

(6) 2x4 Wood Blocks or Equivalent

Appropriate floor lags (Not Included)

COMPONENTS:

GateKeepers with a Clear Opening Height of 6’8” or less are partially assembled and shipped as shown in Figure 2. Taller units which must be shipped flat will have the 3” track attached to the frames. The side rails and side header will be packaged separate.

Figure 2

Figure 3

The side frame mounting plates are factory installed to the interior of the unit. The mounting plates may be relocated to the exterior or the outside of the unit as desired.

Figure 4

Figure 4 shows the GateKeeper with all three mounting plate positions shown.

INSTALLATION

ASSEMBLING LEFT/RIGHT SIDEFRAMES (Clear Height Greater Than 6' 8")

Figure 5

1. Lay the side frames with 3” roller tracks on blocks as shown in Figure 5.

2. Install the lower side rails using (4) 3/8” x 1” carriage bolts, washers, and nylon locking nuts.

3. The side frames and the upper side headers are labeled A-A, B-B, C-C & D-D. Assemble the matched components to recreate the factory alignment of the 3" track.

Install the upper side header using (8) 3/8” x 1” carriage bolts, washers, and nylon locking nuts.

4. Attach the 3” roller track to the side header using ¼-20 x 1” track bolts and serrated washer flange nuts (see Figure 6).

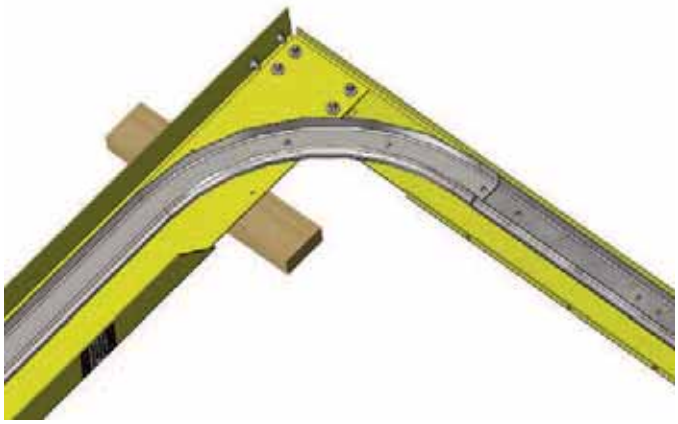

Figure 6

5. Adjust the 3” track to attain a smooth rolling surface where the sections meet. The critical surface is located on the inside bottom of the track where the wheels travel.

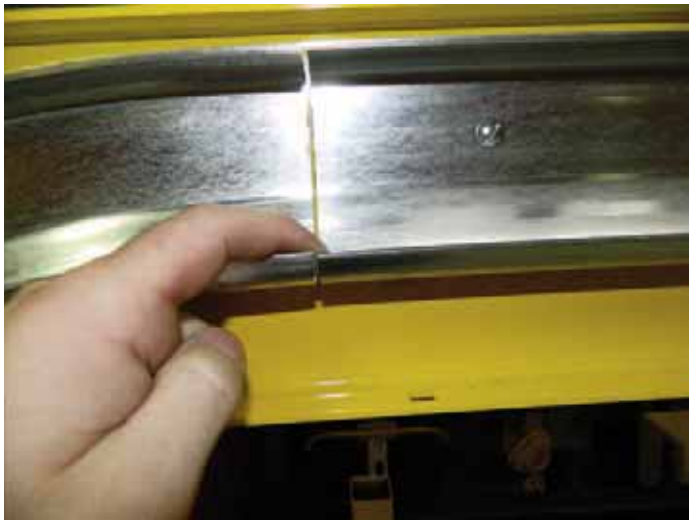

Figure 7

6. Repeat the procedure to assemble the side rail and the side header to the second set of side frames.

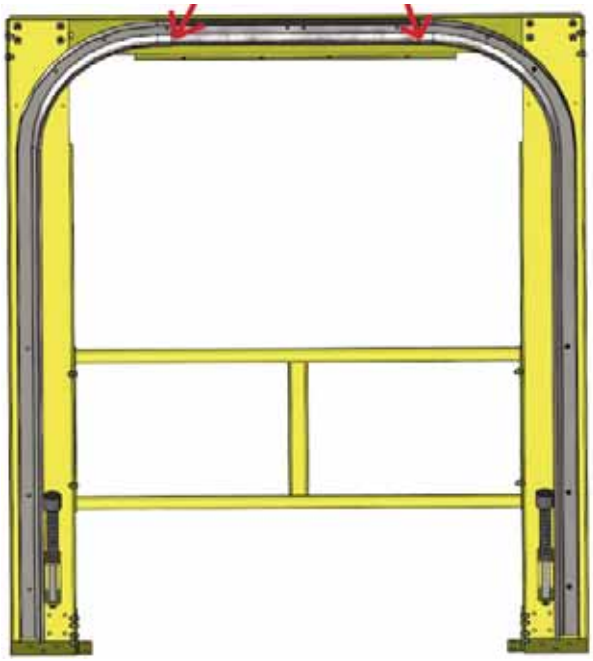

Figure 8

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GATEKEEPER AUTOMATIC OVERVIEW

The universal design of the operator's position allows it to be field assembled to accommodate any location.

The end user determines if the automatic frames will be located toward or away from the mezzanine edge.

The location of the ZAP operator and controls that will be mounted on the left or the right side of the unit are also determined by the end user.

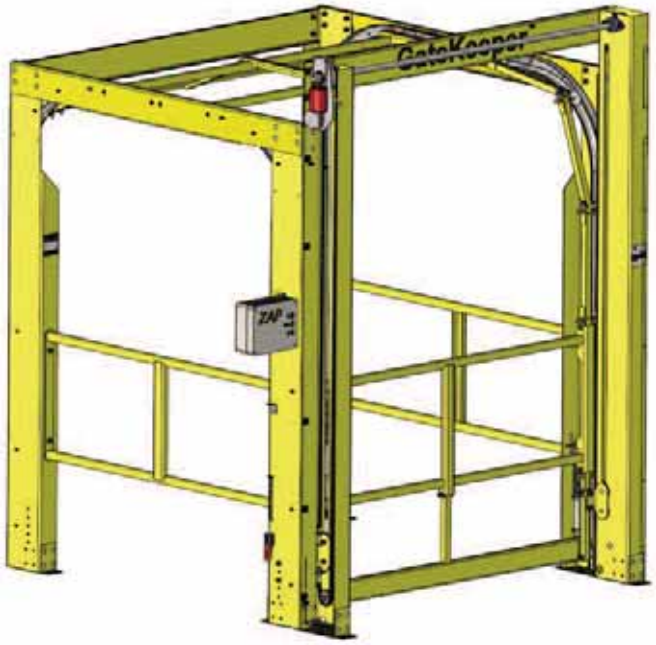

Figure 9

Figure 9 shows a unit with the automatic frames away from the mezzanine edge with the ZAP operator on the front left side of the unit.

Figure 10

Figure 10 shows a unit with the automatic frames toward the mezzanine edge with the ZAP operator on the back right side of the unit.

GATEKEEPER AUTOMATIC OVERVIEW CONTINUED

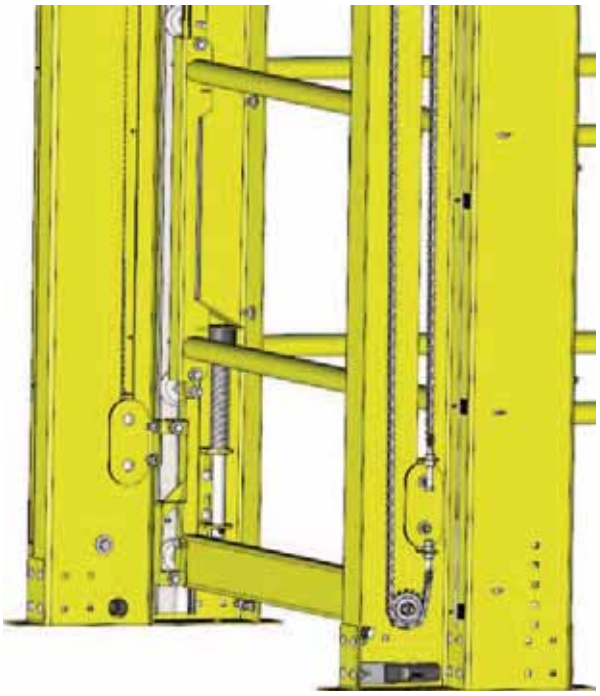

Figure 11

Figure 11 shows the Gatekeeper Automatic in the down position.

The factory installed sliding trollies in each side frame are connected to the toe board with a link. The operator Pushes/Pulls the GateKeeper Open/Closed using a # 40 chain and sprocket, and a full width 1” keyed shaft.

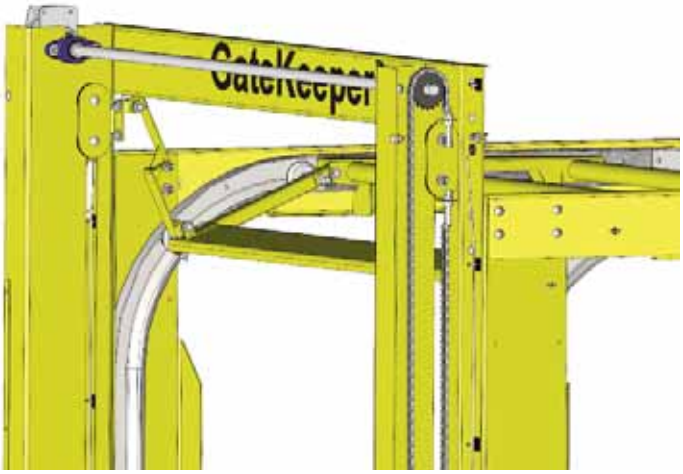

Figure 12

Figure 12 shows the Gatekeeper Automatic in the up position.

The slots in the side frame serve as the open and closed limit positions required by the ZAP Operator.

ATTACHING HEADER TO LEFT/RIGHT ASSEMBLIES (Manual Units)

1. Move the side assemblies to their approximate mounting locations.

2. Locate the front headers and lay them on the floor near the side assemblies.

3. Stand one side assembly up and temporarily secure it.

Figure 13

4. Loosely bolt the front header to the side assembly using (1) 3/8” x 1” carriage bolt, washer and nylon locking nut.

Figure 14

5. For taller units, position a ladder between the sideframe assemblies as shown in Figure 15.

Figure 15

6. Lift the other side assembly into position and secure the front header using (4) 3/8” x 1” carriage bolts, washers, and nylon locking nuts.

7. The header is positioned behind the side frames with the washers and nuts to the inside of the unit (see Figure 16).

Figure 16

ATTACHING HEADER TO LEFT/RIGHT ASSEMBLIES CONTINUED

GATEKEEPER AUTOMATIC ONLY

Figure 17

8. Bolt the GateKeeper Automatic side frame assemblies directly to the standard manual frames using (6) 3/8” x 1” carriage bolts, washers, and nylon locking nuts per side.

The frame mounting holes are included so field drilling is not required to automate existing manual units.

Figure 18

9. Slide the 1” keyed shaft through the side frame bearings. The shaft should extend 6” into the drive side frame and 2-3/4” on the non-drive side.

Figure 19

10. Bolt the Automatic GateKeeper front header behind the taller automatic side frames as shown.

Follow the rail and link assembly instructions for both Manual and Automatic GateKeepers.

Additional instructions for the Automatic unit assembly must be followed after the GateKeeper is properly functioning as a manual unit.

The Automatic Unit does not include a lock.

Figure 20

11. Install the rear header to the sideframe assemblies using (4) 3/8” x 1” carriage bolts, washers, and nylon locking nuts (see Figure 20).

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SQUARE AND PLUMB THE FRAME

Figure 21

1. Move the GateKeeper Assembly to the final position.

2. The Clear Opening Width is measured between the inside of the base plates.

The Overall Depth equals the Clear Opening Depth plus 8”.

3. Measure diagonally in both directions to make sure the unit is square.

4. Check each frame with a level and shim the frames until the unit is plumb.

5. Permanently secure the GateKeeper using appropriate fasteners.

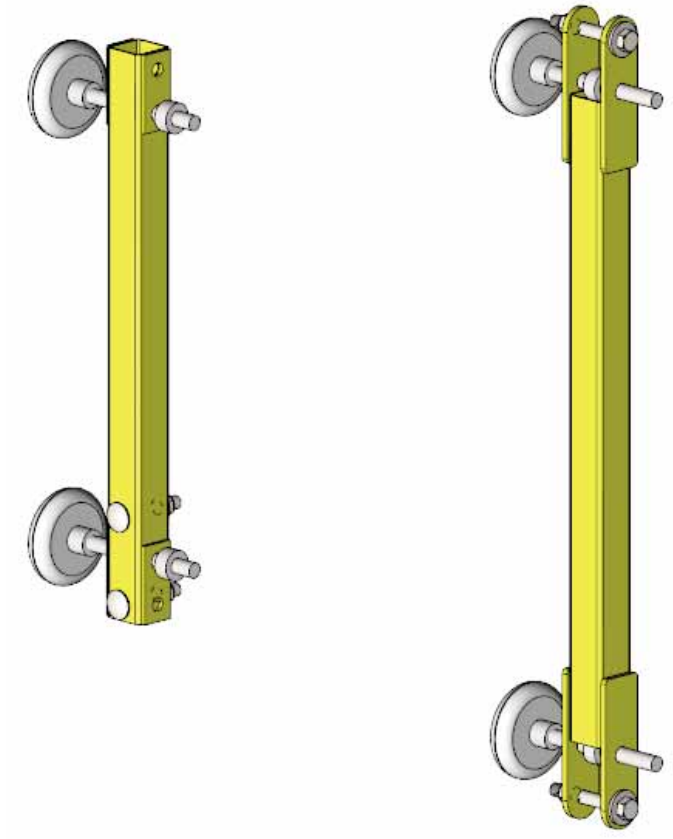
THE GATEKEEPER LINKAGES

All of the GateKeeper links have 3” nylon wheels, set screws, and the required mounting hardware factory installed.

NOTICE

Do NOT over tighten wheel link mounting hardware. Do NOT bend wheel link mounting tabs

All GateKeepers include (4) Toe Board Links and (2) Double Wheel Links (see Figure22).



Toe Board Wheel Link

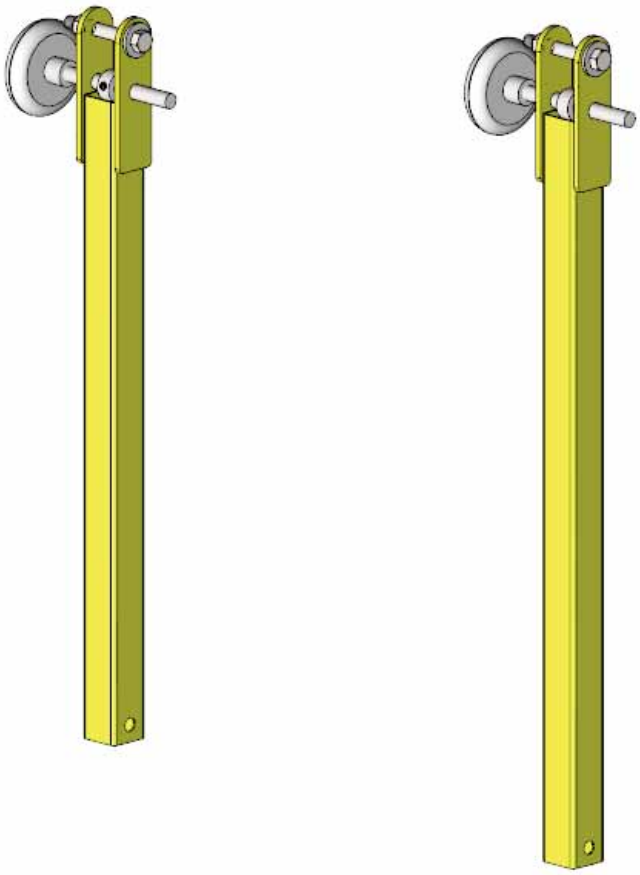
Double Wheel Link

Figure 22

The Double Wheel Link should be attached to the top of the Front Rail (away from the mezzanine edge).

The number of Single Wheel Links depends on the GateKeeper’s Clear Opening Height and Clear Opening Depth.

There may be one or two different Single Wheel Link lengths (see Figure 23).



Single Wheel Link (Short)

Single Wheel Link (Long)

Figure 23

NOTICE

The linkage should be assembled with equal length wheel links on each side. They also need to be located in the same position on both the left and right sides.

ASSEMBLING THE REAR TOE BOARD AND THE REAR RAIL

Figure 24

1. Move the Toe Board weldment into position between the two rear frames.

2. Install the toe board link wheels in the roller track (see Figure 25).

Figure 25

3. Bolt the Toe Board link assemblies to the weldment using (2) 3/8” x 2-1/4” carriage bolts, washers, and nylon nuts. The washers and nuts should be on the inside of the unit.

4. Repeat the procedure for the opposite side. Remove the factory installed 3/8” hardware from the rail assembly lower mounting holes.

Figure 26

5. Move the rear rail assembly between the two rear frames. The rail tabs should rest on the bumpers as shown.

NOTICE
To better align the toe board assembly with the rear rail assembly, use blocks to raise the toe board up 3 inches.

6. Attach the rear rail assembly to the toe board assembly using 3/8” x 3-1/4” bolts, washers, and nylon lock nuts. Each bolt requires two washers. The lock nut should be toward the outside of the unit.

ATTACHING THE WHEEL LINKS

1. Locate the two shortest left and right wheel links. Install the wheel in the 3” track and bolt the link tabs to the top of the rear rail. The nylon nuts should be toward the wheel. The wheel stem set screws should be toward the inside.

2. Continue bolting equal length single wheel links on the left and right side of the GateKeeper.

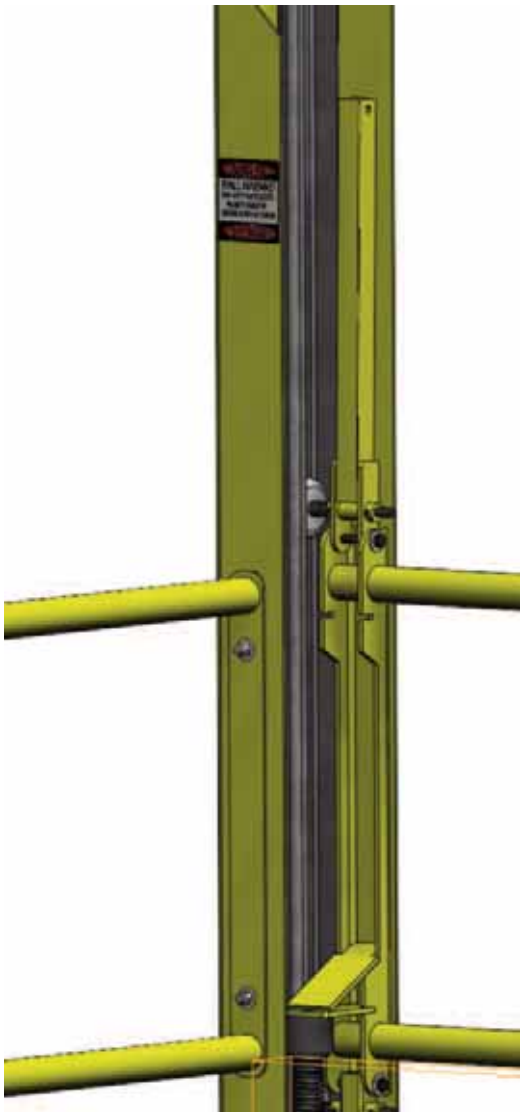


Figure 27

ASSEMBLING THE FRONT TOE BOARD AND THE FRONT RAIL

The front toe board and the front rail are assembled in the same manner as the rear components.

Figure 28

1. Locate the double wheel link.

2. Install the left and right double wheel links to the top of the front rail using a 3/8” x 3-1/4” bolt, (2) washers, and a nylon lock nut.

3. Lift the front rail to connect the double wheel link the wheel link attached to the rear rail.

4. Bolt the linkages together using a 3/8” x 2-3/4” Bolt, (2) washers, and a nylon lock nut.

Figure 29

5. The pull down strap can be attached on the left or right side of the unit. Attach the strap bracket to the toe board using a 3/8" x 1" bolt,(2) washers, and a nylon lock nut.

6. Attach the pull down strap to the bracket using a 3/8" x 2-3/4" bolt, (2) washers, and a nylon lock nut.

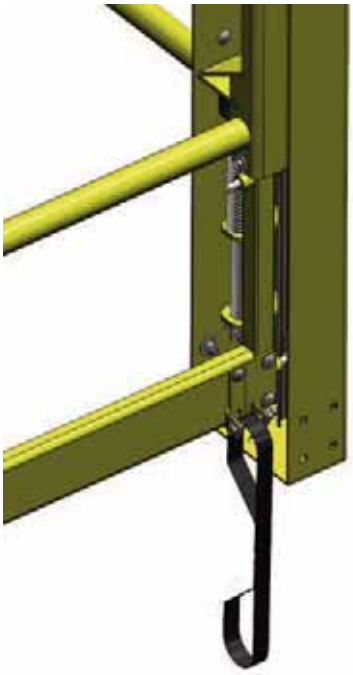


Figure 30

INSTALLING AND ADJUSTING THE RAIL LOCK

The lock must be attached to the right side header using (3) 3/8” x 1” carriage bolts, washers, and nylon lock nuts.

Figure 31

1. Install the cable eyelets in the pre-drilled holes in the front right side frame.

2. Install the lock operation graphic on the front right side frame approximately 5’ from the floor.

Figure 32

3. Adjust the lock forward / back to ensure the white UHMW lock tab catches the front rail locking tab when the front rail is open.

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ADJUSTING TRACK AND WHEEL SPACING

Figure 33

1. Release the lock and operate the GateKeeper several times to evaluate the smoothness of travel.

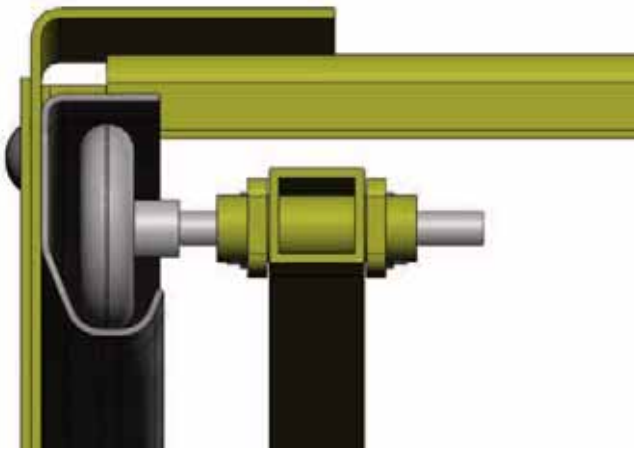

Figure 34

2. If the unit does not operate smoothly, check for proper 3” track alignment.

3. The nylon wheels should travel in the center of the 3” roller track.

Figure 35

4. Make sure the Toe Boards and Rails are properly centered by measuring the distance to each frame.

5. Use an 1/8” allen wrench adjust the wheel stem set screws accordingly.

GATE OPERATION

Figure 36

Figure 37

The GateKeeper's locking mechanism secures the rail toward the mezzanine ledge.

Unlocking and the moving the reciprocating rail system away from the mezzanine ledge requires two hands. This helps ensure the operator is outside of the pallet quarantine area when a potentially unsafe opening in the rail system is created.

WARNING

Do Not enter the GateKeeper pallet quarantine area when the rails are positioned away from the mezzanine ledge.

NOTICE

Operating a Single Wide GateKeeper requires less than 50 lbs of lifting force.

Operating a Double Wide GateKeeper requires less than 70 lbs of lifting force.

Figure 38

1 Pull the lock handle with your right hand. Pull the toe board strap handle down with your left hand.

Figure 39

2 Once the rail lock tab has cleared the lock, use both hands to control the gate assembly and prevent slamming.

Figure 40

3 Pull up on the rail to move the rail system toward the mezzanine ledge. Use the toe board strap handle or the toe board to control the gate assembly and prevent slamming.

4 Check the lock assembly to make sure the latch has properly engaged the rail lock tab.

GATEKEEPER AUTOMATIC OPERATOR INSTALLATION

Operate the GateKeeper so the front rails are toward the automatic frames.

NOTICE

Make sure the rails and links operate properly before attaching operator and drive components. The ZAP operator requires smooth travel during initial setup.

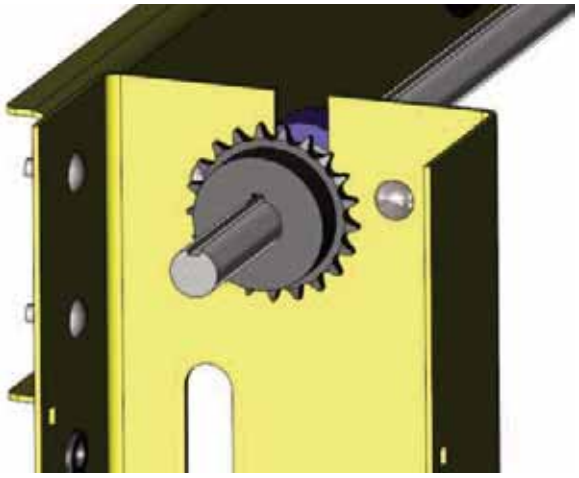

Figure 41

1. Slide the 1” keyed shaft so that it measures 6” from the shaft end to the inside of the operator side frame.

2. Use a 1/8” Allen wrench to tighten the set screws on the bearing collar.

3. Slide the 21 tooth #40 sprocket onto the shaft. The set screws should be toward the outside of the unit.

4. Install the 1/4" x 1” square key.

5. Make sure there is 1-3/8” gap between the frame and the inside face of the sprocket.

5. Use a 1/8” Allen wrench to tighten the set screws on the sprocket.

6. Repeat the procedure for the non-drive sprocket.

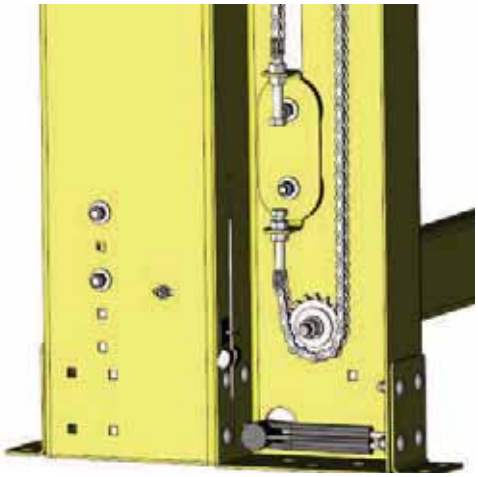

Figure 42

The chain tensioning and connecting bolts are factory installed in the trollies. The upper bolt should extend through the trolley as little as possible.

7. The lower bolt should extend much further and be used to set the chain tension.

8. Use a quick link to attach the chain to the upper bolt.

9. Install the chain over the upper sprocket and under the lower idler sprocket.

10. Attach the chain to the lower bolt using a quick link.

11. Use an 11/16 wrench to adjust the nuts and tension the chain.

NOTICE

The left and right trollies must be set at equal height. Do Not raise the trollies while tensioning the chain.

12. Repeat the procedure for the opposite side.

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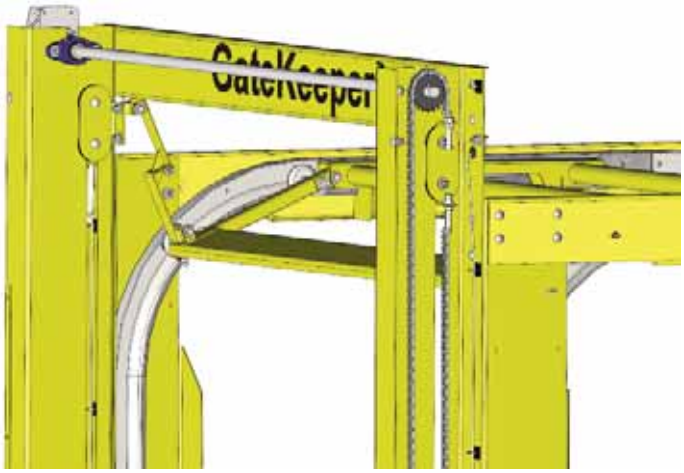


Figure 43.1 Open

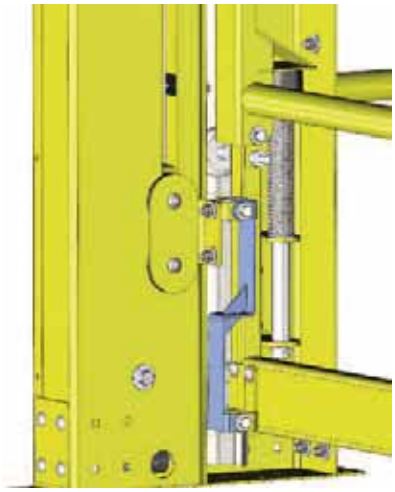


Figure 43.2 Closed

13. Bolt the two small link brackets to the toe board using (2) 3/8” x 1” carriage bolts, washers, and nylon locking nuts.

14. The toe board link is a Z-shaped welded bracket with 3/8” holes on each end.

15. Bolt the left and right toe board links between the trolley and the link bracket using (2) 3/8” x 2-3/4” bolts, (4) washers, and (2) nylon locking nuts per link.

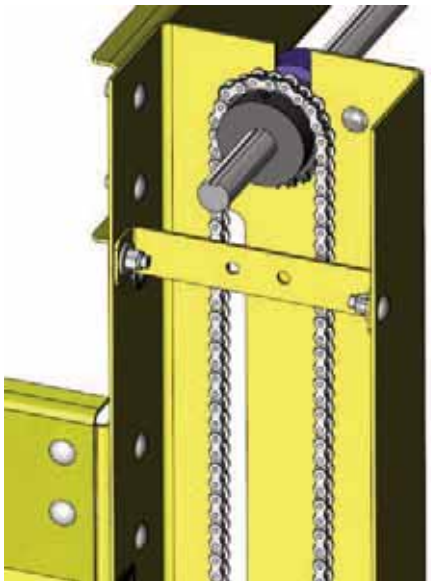


Figure 44

16. Bolt the ZAP anti-rotation bracket to the drive side frame using (2) 3/8” x 1” carriage bolts, washers, and nylon lock nuts.

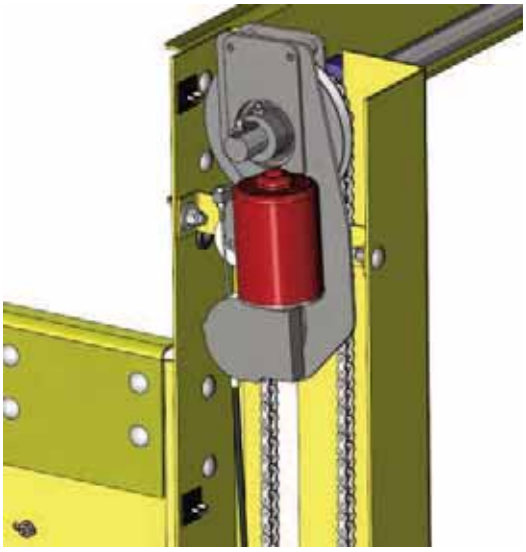


Figure 45

17. Slide the ZAP Operator on the 1” shaft. Insert the 1” key included with the operator.

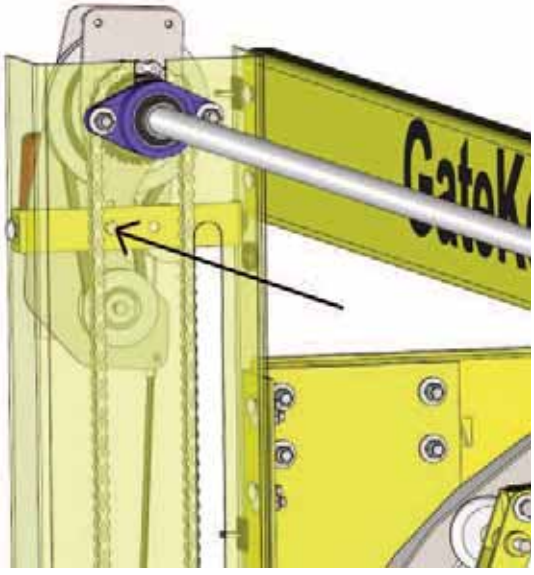


Figure 46

18. The anti-rotation bracket replaces the torque arm bracket referenced in the ZAP Owner’s Manual.

19. Use the M6 x 20mm bolt (1/4 x 3/4” approx.) and nut included in the ZAP parts box to bolt the operator to the anti-rotation plate.

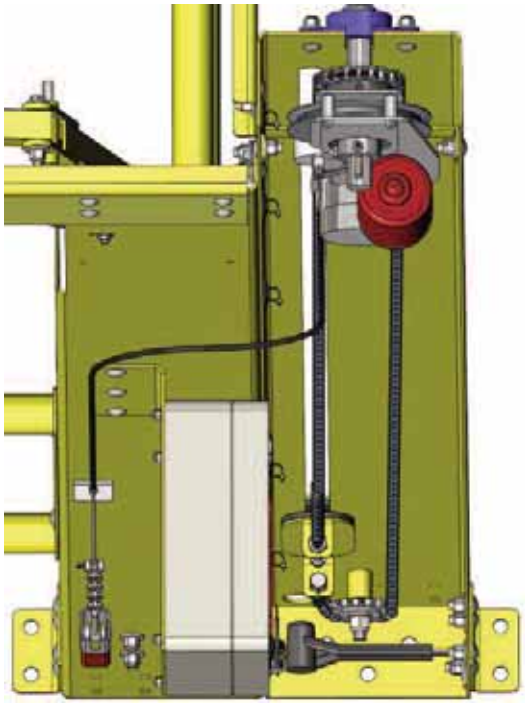


Figure 47

20. Refer to the official ZAP Installation instructions to install the v-belt tension cable bracket and in the approximate location shown. The mounting hardware is included in the ZAP operator box.

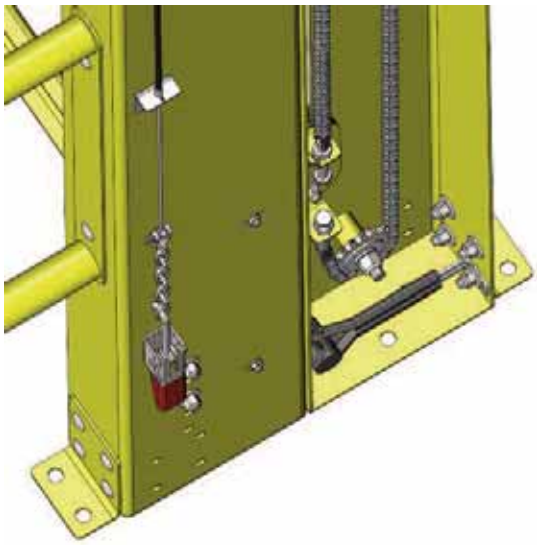


Figure 48

Figure 49

21. Use a Phillips screwdriver and a 3/8” wrench to change the ZAP control box configuration if necessary.

Figure 44 shows the factory configuration for installing the operator in the front left or rear left positions.

Figure 45 shows a reconfigured control box assembly for the front right or rear right positions.

Figure 50

22. Use the ZAP control box mounting plate as a template to drill 3/8” mounting holes in the side frames (front left shown). The recommended height is 60” from the floor to the top of the plate.

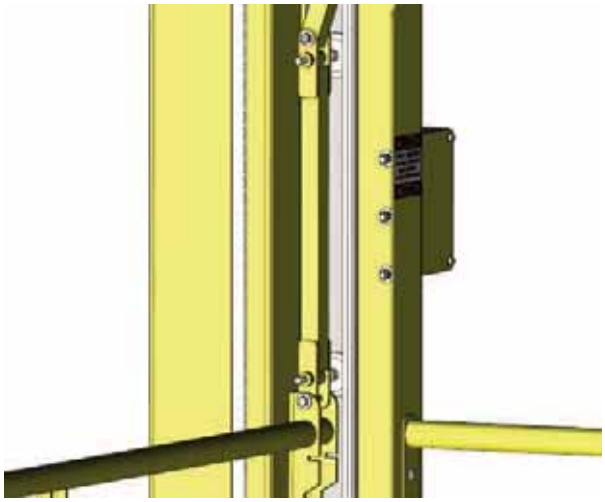


Figure 51

23. Make sure the three control box mounting bolts do not interfere with the 3” roller track inside the frame.

The mounting holes are approximately 2-1/2” from the frame surface where the Danger labels are adhered.

24. Attach the control box assembly to the side frame using (3) 3/8” carriage bolts, washers, and nylon locking nuts.

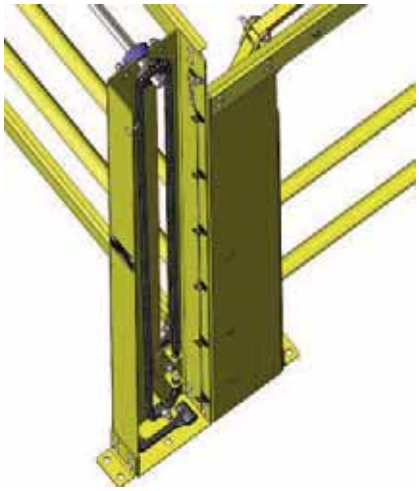


Figure 52

25. Connect non-drive black photo eye wire to the black wire in the included 2-wire cable using the grey wire nuts with orange levers

26. Connect the black wire with the white stripe to the red wire in the included 2-wire cable.

27. Use the included adhesive backed cable tie mounts to secure the photo eye cable away from the chain.

28. Route the photo eye cable out of the non-drive side frame, behind the front header, and into the drive side frame.

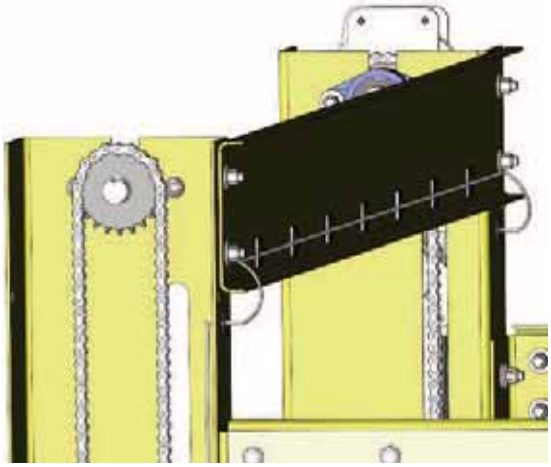


Figure 53

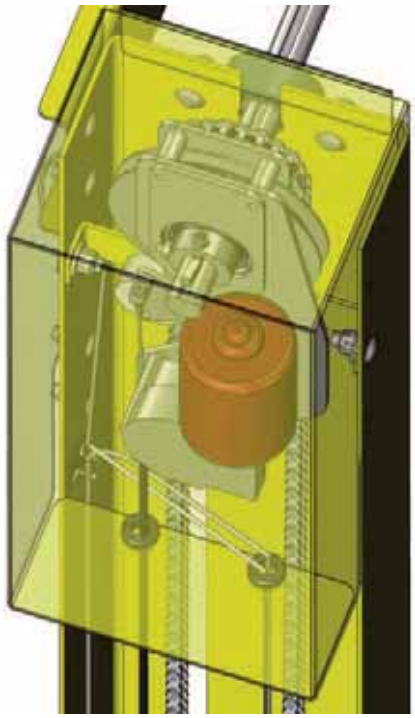


Figure 54

Figure 49 shows the motor shroud transparent.

29. Connect drive side black photo eye wire to the black wire in the included 2-wire cable using the grey wire nuts with orange levers

30. Connect the black wire with white the stripe to the red wire in the included 2-wire cable.

31. Use the included adhesive backed cable tie mounts to secure the photo eye cable away from the chain.

32. Both photo eye cables need to be secured by a grommet in the bottom of the drive shroud.

The split grommets are pressed into a slot on the steel shroud. A second grommet secures the ZAP belt tension cable as shown.

Refer to the ZAP manual to configure the operator and to set the open and closed limits.

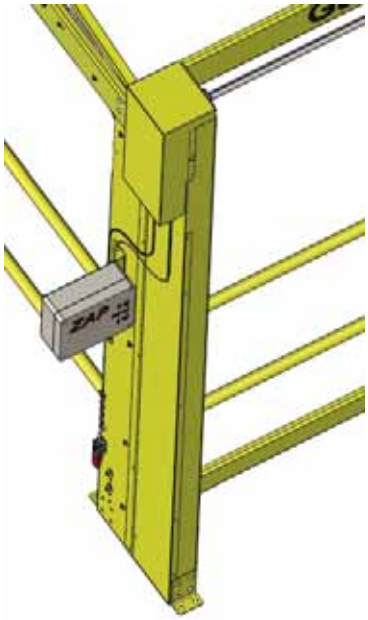


Figure 55

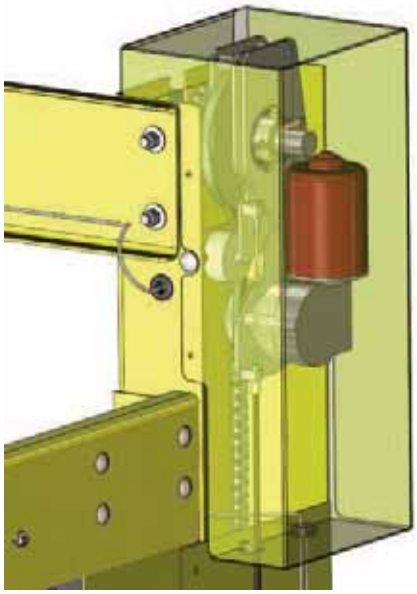


Figure 56

33. After the ZAP operator is functioning properly, attach the full height shrouds to the automatic side frames

Use a 3/8” hex to drive the 1/4" 1” self tapping screws through the shroud mounting holes and into the automatic side frames.

The shroud should be flush with floor and the front of the automatic side frame.

34. Install the operator shroud in a similar fashion. The upper tab should be inside the frame, and the front/back tabs should be outside the frame.

35. The photo eye cables and the belt tensioning cable should be secured in the shroud with split rubber grommets.

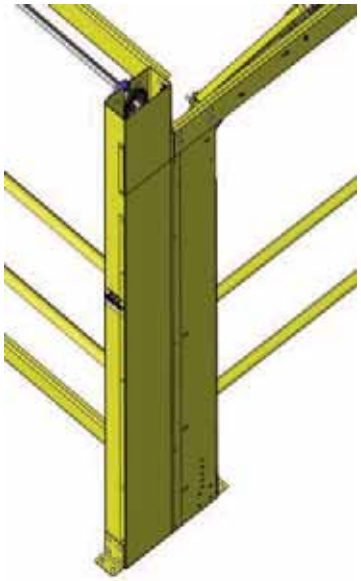
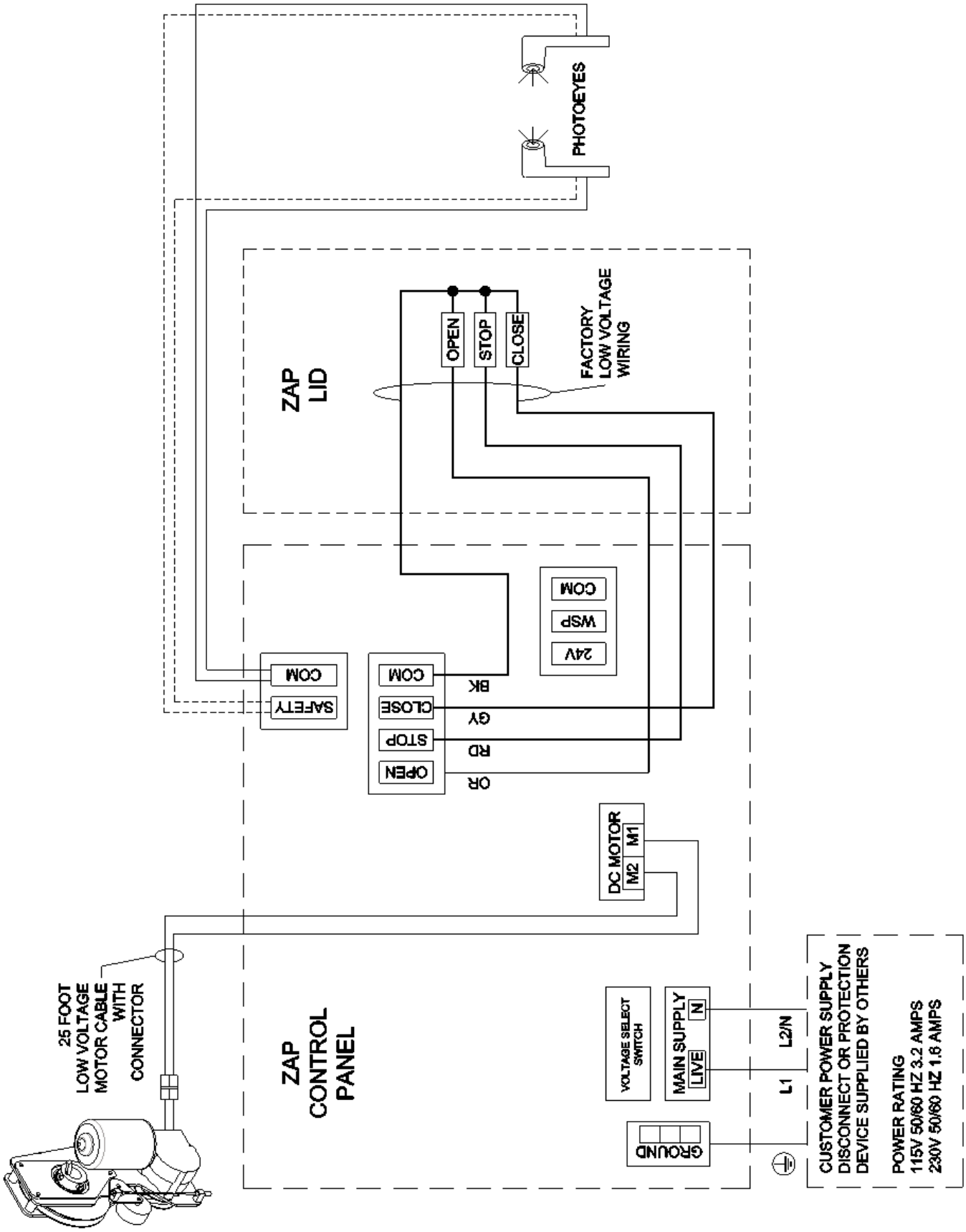


Figure 57

36. Repeat the shroud installation on the non-drive side.

GATEKEEPER AUTOMATIC WIRING



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ANNUAL PLANNED MAINTENTANCE

Inspect the entire unit for damage caused be impacts from fork lifts, pallets, or other objects. Replace components as required.

Frame

Inspect anchoring method and secure as required.
Make sure frame is plumb and square.
Confirm the track mounting hardware is tight.
Confirm the front and side header mounting hardware is tight.

Spring Bumpers

Confirm mounting hardware is tight.
Confirm roll pins are centered in spring plungers
Inspect compression springs for damage.
Inspect rubber bumpers and replace as required.

Wheels

Check all of the set screws securing the wheel stems and tighten as required.
Allow approximately 1/2" between wheel stem shoulder and link collar.
Inspect all of the wheels. Confirm that the white nylon is properly seated on bearings. Confirm the wheel bearings are properly pressed on the wheel stem.

Linkage

Inspect all connecting hardware. Bolt threads should engage nylon in lock nut. Bolts should not bend link tabs when tightened.

Rails and Toe Boards

Components should be centered on the unit width so the wheels travel in the center of the track. Confirm the toe board mounting hardware is tight. Inspect pull down strap for wear.

Lock (Manual GateKeeper Only)

Determine if the lock is properly positioned by opening the unit and confirming lock engagement on the front rail locking tab. Adjust the lock position accordingly.
Inspect the gas strut for leakage. With the unit open and locked, pull down on the front rail to confirm adequate holding force.
Confirm the vertical hex head bolt holding the lock tab is tight.

ANNUAL PLANNED MAINTENTANCE CONT.

ZAP Operator

Refer to ZAP Owner's Manual as required. The ZAP operator is designed to require the drive belt to be adjusted at approximately 10,000 cycles.

Inspect the operator to verify proper installation. Verify the key stock is in place and that the set screws are properly tightened with the lock nuts tightened securely.

Inspect the operator alignment and verify that the pulleys are in proper alignment.
Inspect the back of the drive pulley to verify that the pulley retaining cir-clip is in place or the screw or set screw is tight.

Inspect the V Belt for signs of excessive wear. Replace as necessary.
Inspect bearings on the pulley for excessive wear. Replace as necessary.

Inspect the mounting of the Bowden cable to ensure that it has been mounted correctly. It should have a loose looking appearance and show a bowing of the cable.

Inspect the Bowden cable and all its components and connections to verify they in proper operating order.

Inspect the male and female motor plugs, terminals, and wiring six inches in either direction of the plug for damage.

Verify the motor cable is properly plugged into the motor. Inspect the motor cable as it travels back to the controller to verify there is no damage to or staples through the motor cable. Release the over-ride lever from its locked position. Raise and lower the door manually to verify that the door functions properly with no restrictions and is well balanced. Inspect all components of the door to ensure proper service levels are achieved. Service the GateKeeper as necessary to achieve. Reconnect the over-ride lever to the tensioning system.

Check for proper belt tensioning.

Automatic Side Frames

Locate the ZAP torque arm and verify that it is installed in a horizontal manner and that all fasteners are properly tightened.

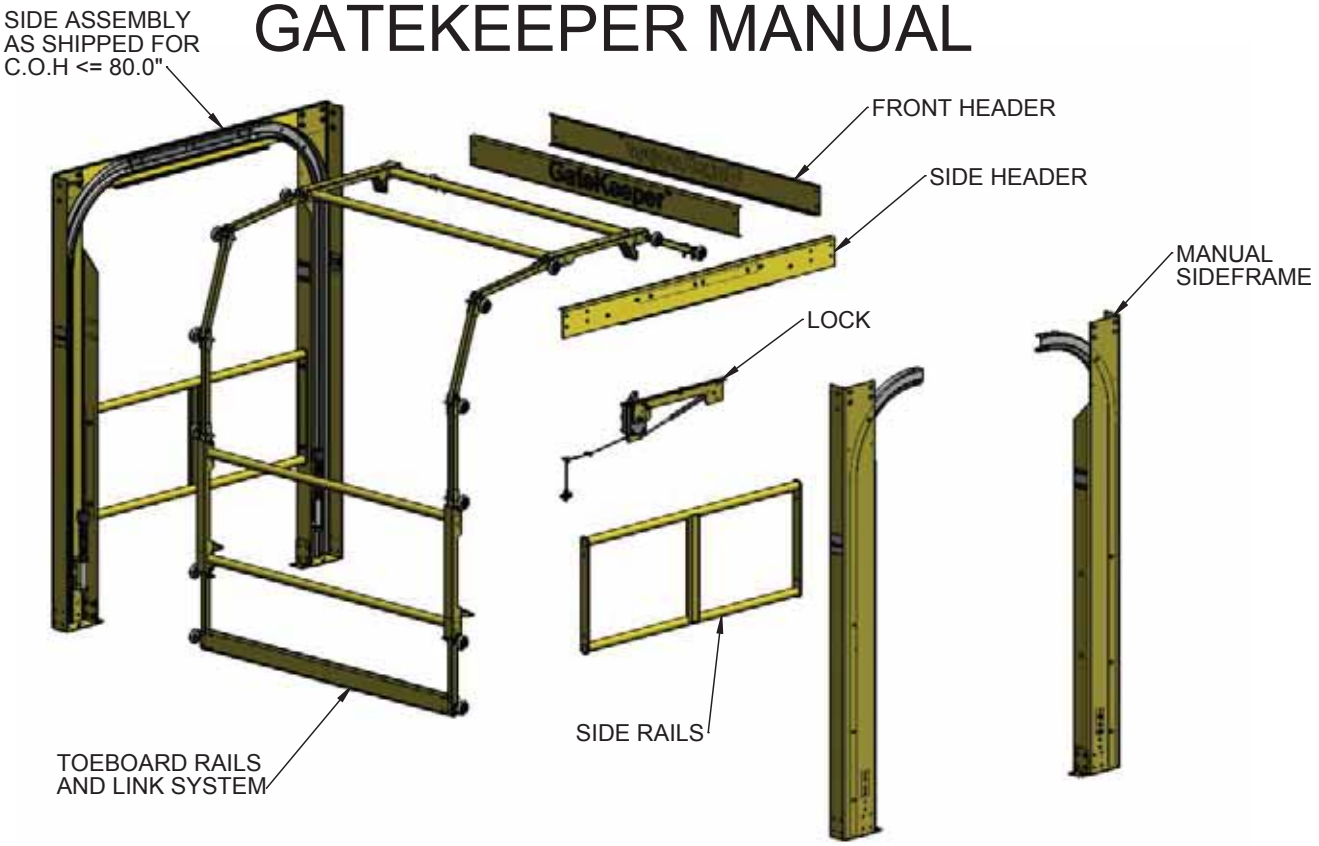
Check the drive shaft sprocket set screws and confirm proper chain alignment.

Adjust the #40 chain tension as required. Tighten tensioning bolt set screws.

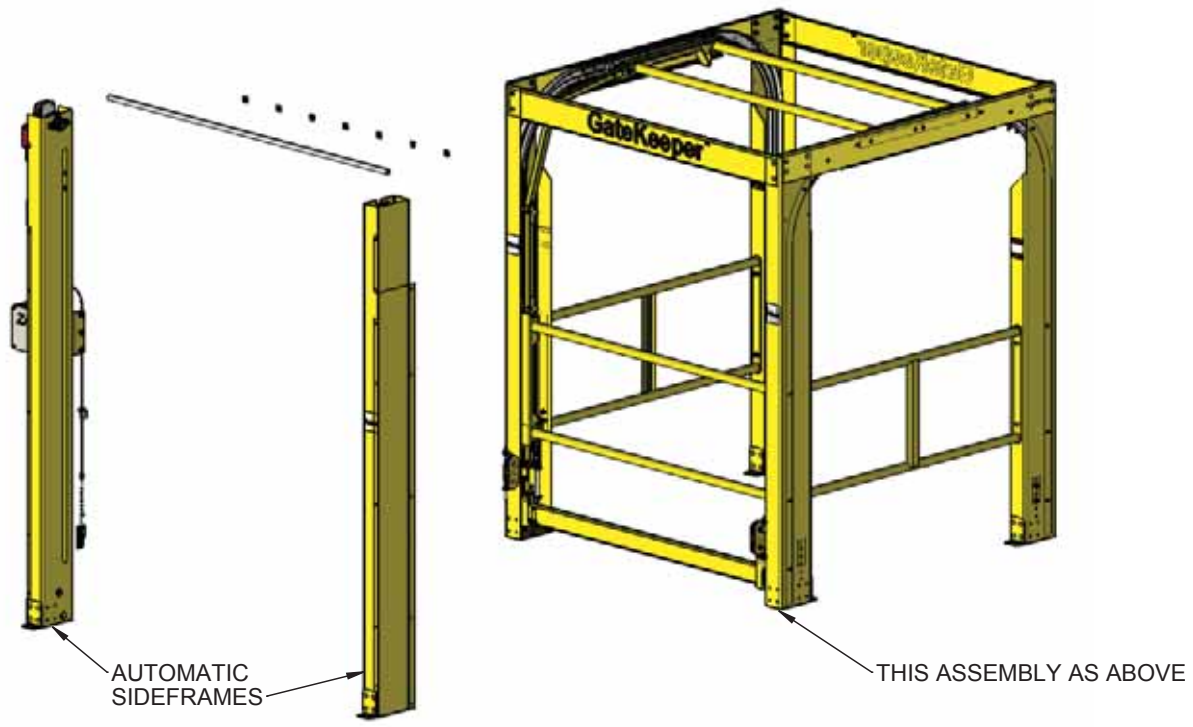
Confirm the proper photo eye alignment.
Inspect the trolley assembly for excessive wear.

PARTS

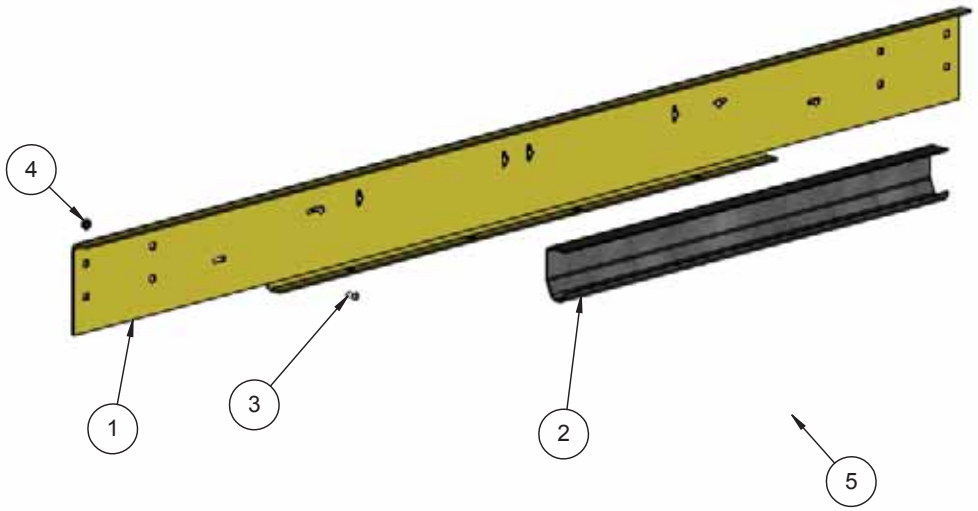
GATEKEEPER MANUAL



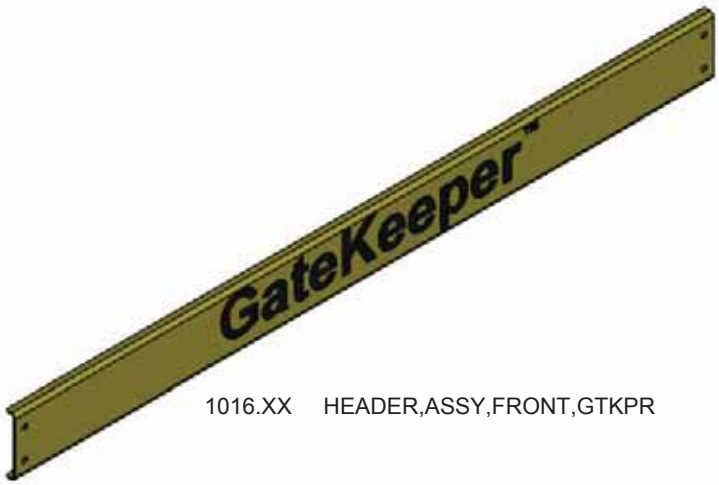
GATEKEEPER AUTOMATIC



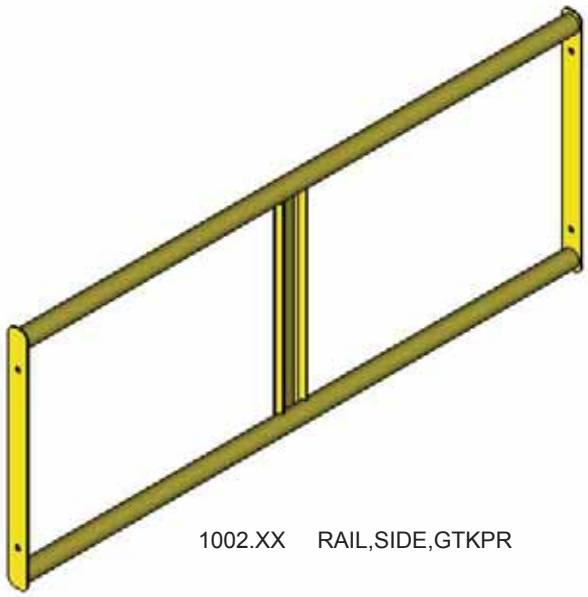
Header & Siderails



1004.XX HEADER,ASSY,SIDE,GTKPR (INCLUDES THE FOLLWOING)			
ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	1013.XXX	HEADER,SIDE,GTKPR,XX",COD
2	1	73450253	TRACK,DOOR,3IN,SIDE HEADER,GTKPR
3	8	67860022	BLT,TRK,RIBBED,1/4X5/8,ZNC
4	8	55610013	NUT,HEX,FLANGE,SERRATED,1/4-20

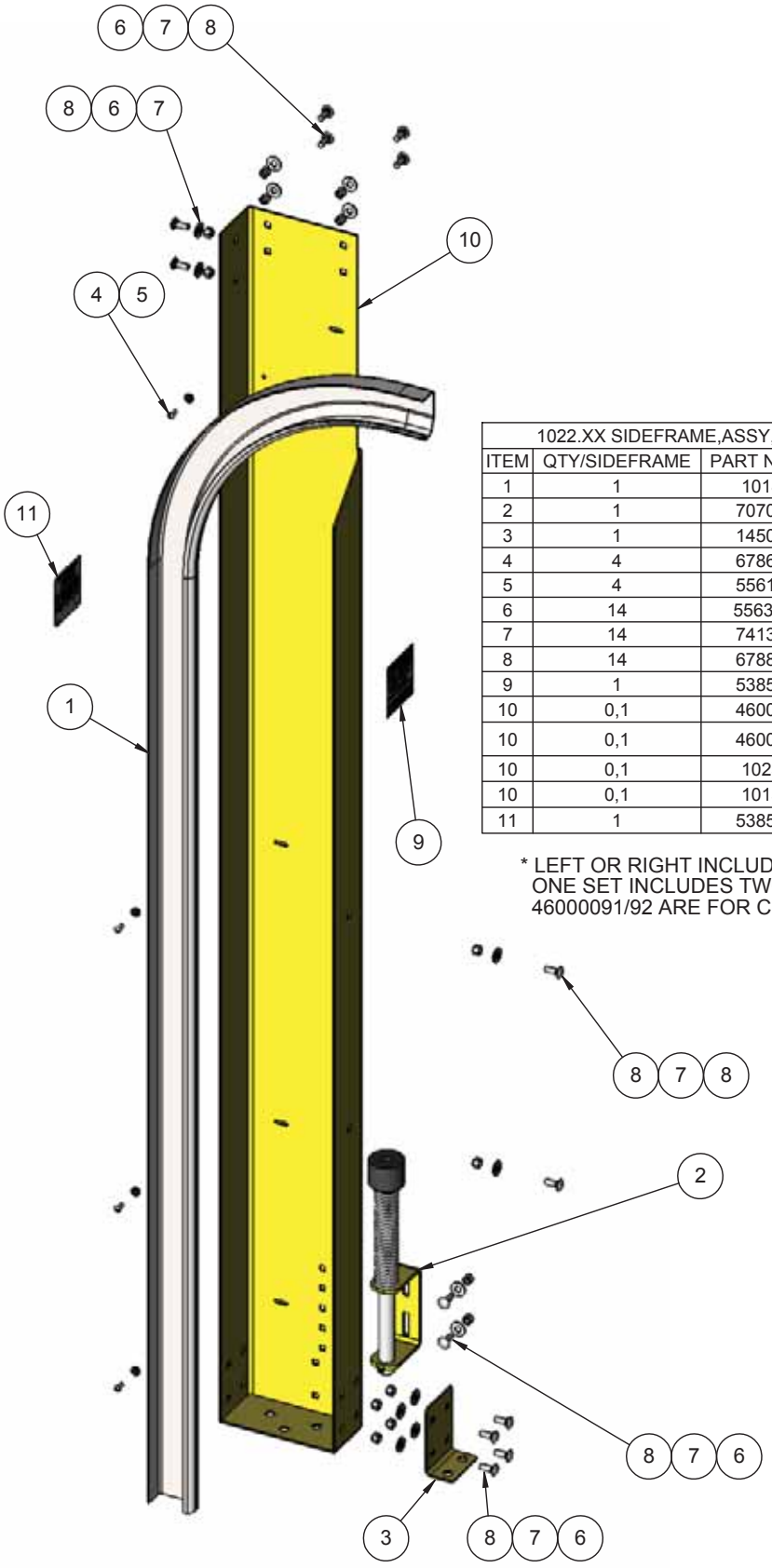


1016.XX HEADER,ASSY,FRONT,GTKPR



1002.XX RAIL,SIDE,GTKPR

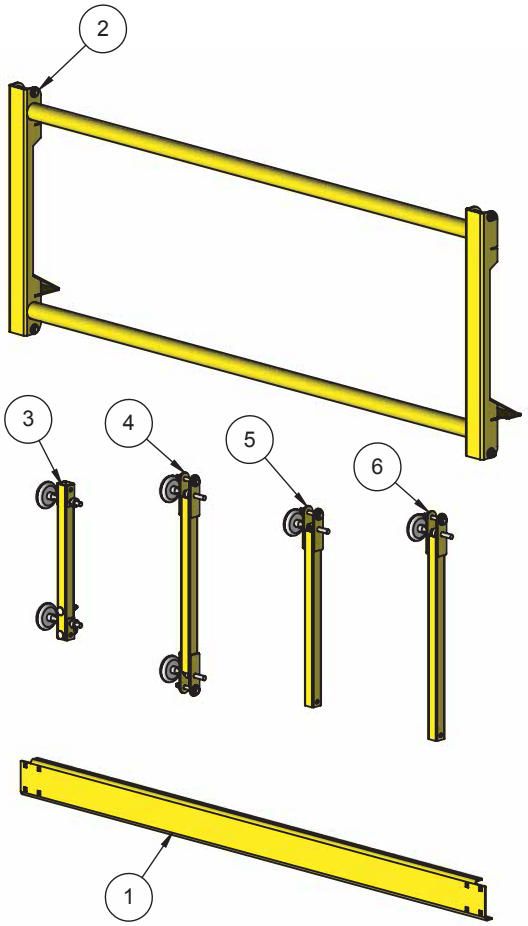
Manual Sideframe



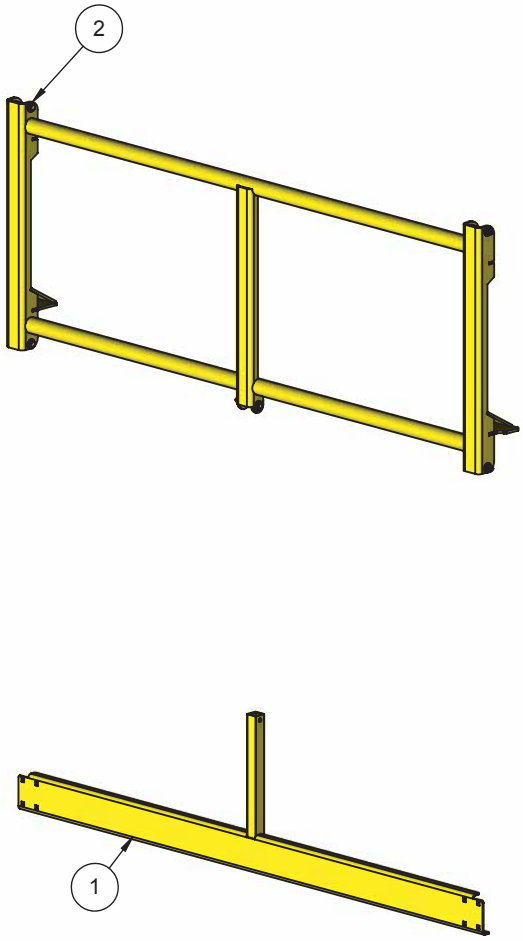
1022.XX SIDEFRAME,ASSY,LEFT/RIGHT/SET* (LEFT SHOWN, RIGHT IS OPPOSITE)				
ITEM	QTY/SIDEFRAME	PART NUMBER	DRAWING	DESCRIPTION
1	1	1018.XX	1201M051	TRK,DOOR,3IN,90DEG,GTKPR
2	1	70700080	1201M045	SPRING,ASSY,GTKPR
3	1	14502078	1201M052	BRKT,MNT,SDFRM,GTKPR
4	4	67860022	(9900M172)	BLT,TRK,RIBBED,1/4X5/8,ZNC
5	4	55610013	(9902M081)	NUT,HEX,FLANGE,SERRATED,1/4-20
6	14	55630005	(9902M007)	NUT,HEX,NYL LOCK,3/8-16,ZNC
7	14	74130001	(9902M006)	WSHR,FLAT,3/8X1X.063,ZNC
8	14	67880092	(9900M092)	BLT,CARG,3/8-16X1,ZNC,GRD5
9	1	53850613	1201M137	LABEL,DANGER,FALL HZRD,GTKPR
10	0,1	46000091	1201M016	FRAME,SIDE,STEEL,STD,GTKPR,LEFT
10	0,1	46000092	1201M016	FRAME,SIDE,STEEL,STD,GTKPR,RGT
10	0,1	1023.XX	1201M016	FRAME,SIDE,STEEL,STD,LEFT,COH
10	0,1	1015.XX	1201M016	FRAME,SIDE,STEEL,STD,RIGHT,COH
11	1	53850656	1201M307	LABEL,BARRIER,GATEKEEPER

* LEFT OR RIGHT INCLUDES ONE FRAME ASSEMBLY ONLY
ONE SET INCLUDES TWO LEFT AND TWO RIGHT ASSEMBLIES
46000091/92 ARE FOR CLEAR OPENING HEIGHT = 80.00

Link System



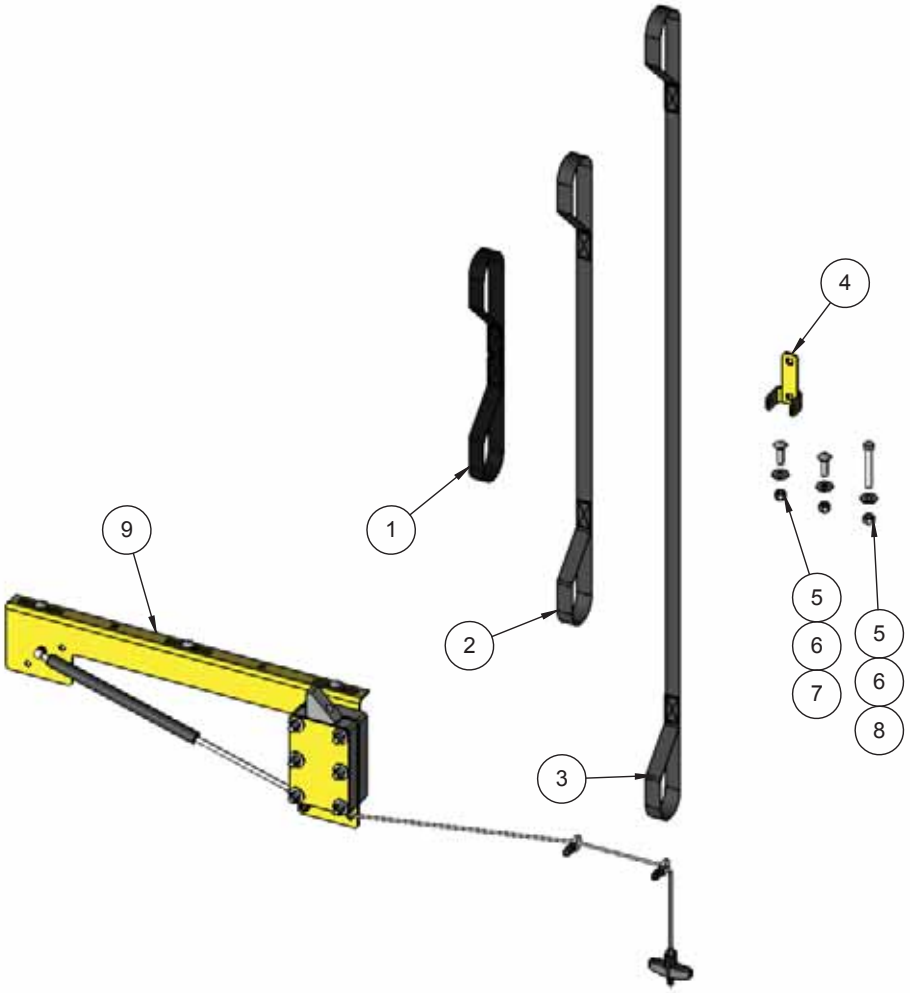
CLEAR OPENING WIDTH LESS THAN 102"
DO NOT HAVE CENTER TOEBOARD LINK



CLEAR OPENING WIDTH EQUAL TO
OR GREATER THAN 102"
HAVE CENTER TOEBOARD LINK

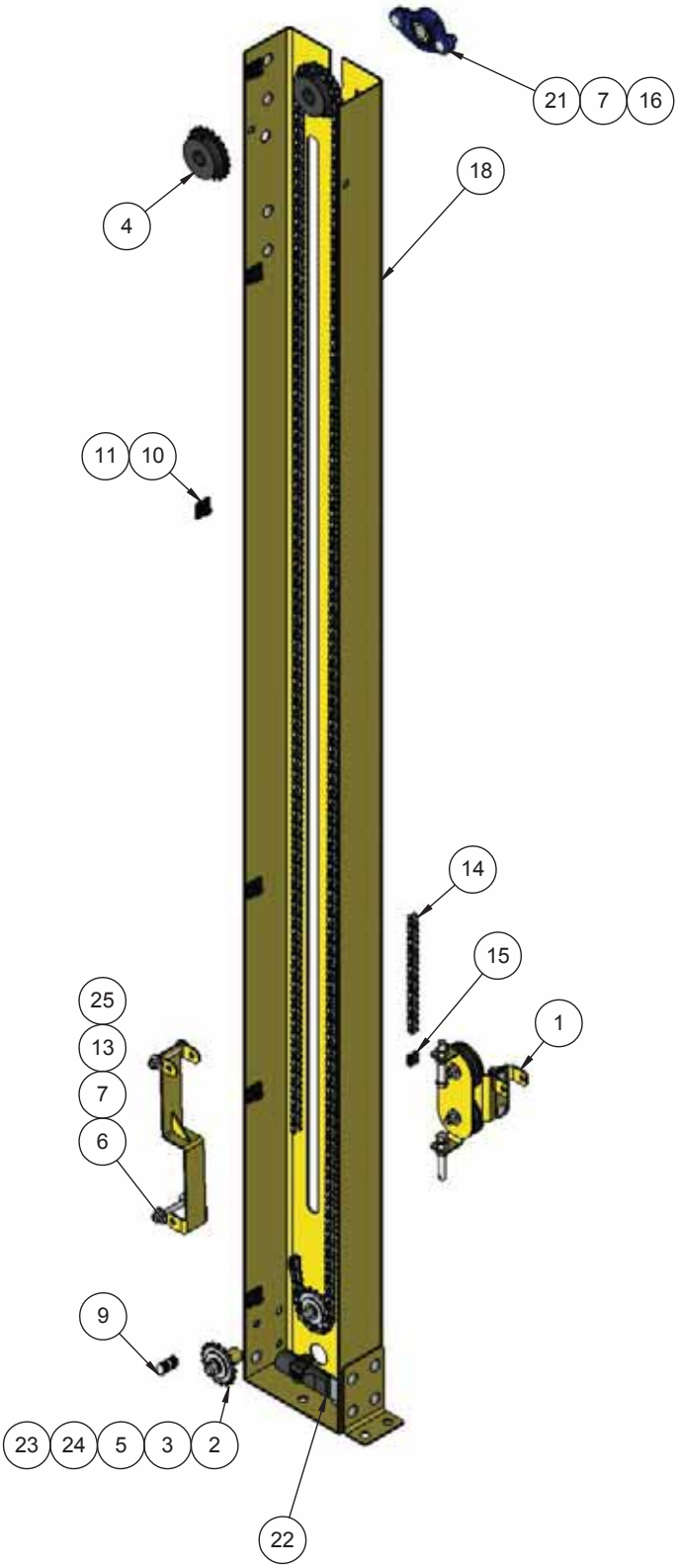
ITEM	QTY	PART NUMBER	DRAWING	DESCRIPTION
1	1	1008.XX	1201M172	TOEBOARD,XX.XX,COW
2	1	1006.XX	1201M151	RAIL,FRONT,ASSY,STEEL,GTKPR
3	1	54400041	1201M133	LINK,ASSY,TOE,STEEL,GTKPR
4	1	54400037	1201M104	LINK,ASSY,DBL,STEEL,GTKPR
5	1	54400039	1201M109	LINK,ASSY,SHORT,STEEL,GTKPR
6	1	54400042	1201M098	LINK,ASSY,LONG,STEEL,GTKPR

Manual Components



MANUAL COMPONENTS		
ITEM	PART NUMBER	DESCRIPTION
1	51850046	HNDL,PULL,18.75",GTKPR
2	51850047	HNDL,PULL,35",GTKPR
3	51850056	HNDL,PULL,59",GTKPR
4	14502079	BRKT,STRP,GTKPR
5	55630005	NUT,HEX,NYL LOCK,3/8-16,ZNC
6	74130001	WSHR,FLAT,3/8X1X.063,ZNC
7	67880099	BLT,CARG,3/8-16X1-1/4,ZNC,GR5
8	67880098	SCR,HHMS,3/8-16X2-3/4,GR5,ZNC
9	5254.XX	LOCK,ASSY,GTKPR

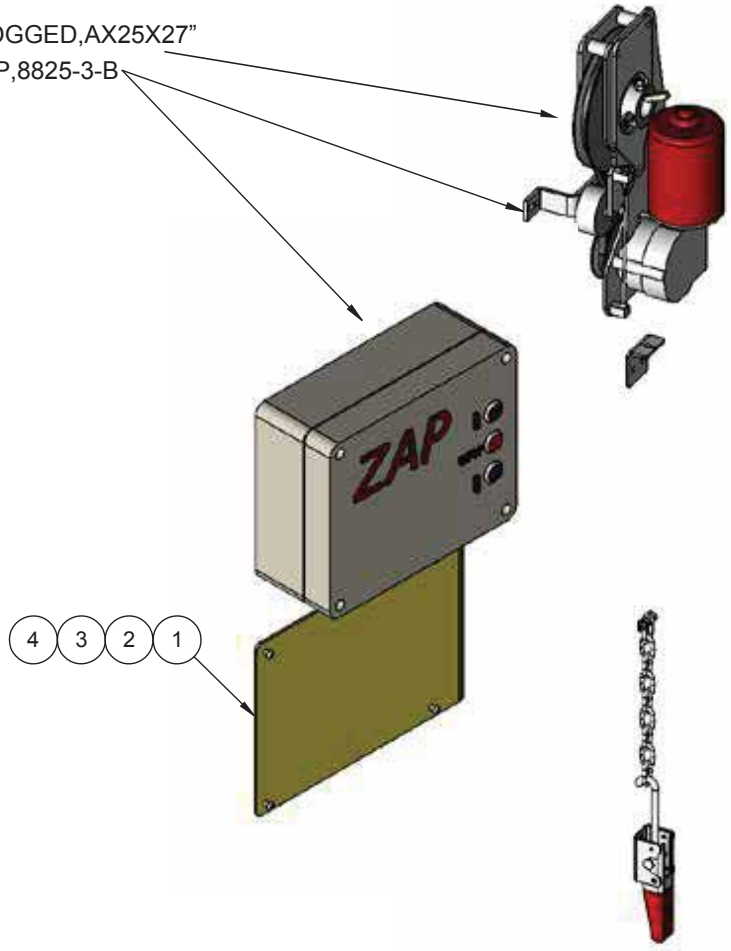
Automatic Sideframe



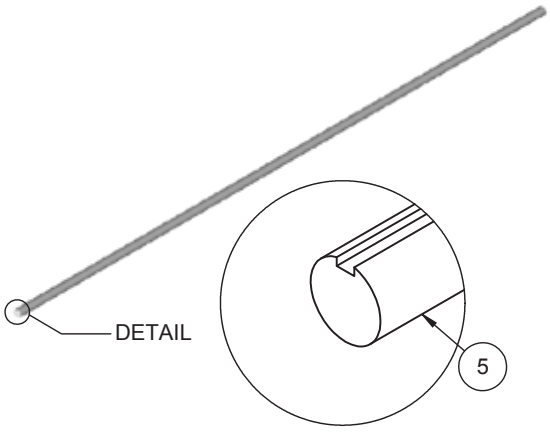
1010.XX SIDEFRAME ASSEMBLY (LEFT SHOWN, RIGHT OPPOSITE)			
ITEM	QTY/SDFRM	PART NUMBER	DESCRIPTION
1	1	73851514	TROLLEY,ASSY,GTKPR
2	1	70800058	SPRKT,#40,IDLER,17T,1/2ID,W/BRG
3	1	55650004	NUT,HEX,NYL LOCK,1/2-13,ZNC
4	1	70800057	SPRKT,#40,21T,1"BORE,KWY,2 SET
5	1	70450154	SPACER,SPRKT,IDLER,GTKPR
6	17	74130001	WSHR,FLAT,3/8X1X.063,ZNC
7	15	55630005	NUT,HEX,NYL LOCK,3/8-16,ZNC
8	11	67880092	BLT,CARG,3/8-16X1,ZNC,GRD5
9	2	51950079	WIRE NUT,LEVER,2POLE,28-12AWG
10	A/R	55290009	MOUNT,CABLE TIE,1X1,PSA
11	A/R	73250004	TIE,CABLE,NYLON,4",18#
12	1	51280002	GROM,RBR,5/8ID,13/16HOLE
13	2	67880098	SCR,HHMS,3/8-16X2-3/4,GR5,ZNC
14	1	16600033	CHAIN,#40,1/2"PITCH,STEEL,GTKPR
15	2	54400014	LINK,CONN,#40
16	2	67880099	BLT,CARG,3/8-16X1-1/4,ZNC,GR5
17	1	14502078	BRKT,MNT,SDFRM,GTKPR
18	1	1011.XX	FRAME,SIDE,STEEL,AUTO,LEFT,COH
20	1	1019.XX	FRAME,SIDE,STEEL,AUTO,RIGHT,COH
21	1	12500045	BRG,FLANGE,1"BORE,3/8"MNT
22	1	63900066	PE,GENIE,RCVR/XMTR
23	1	67900004	SCR,HHMS,1/2-13X3,GR5,ZNC
24	1	74150001	WSHR,FLAT,1/2X1-3/8X7/64,ZNC
25	1	14502094	BRKT,TRLY,TOEBRD,GTKPR

Automatic Components

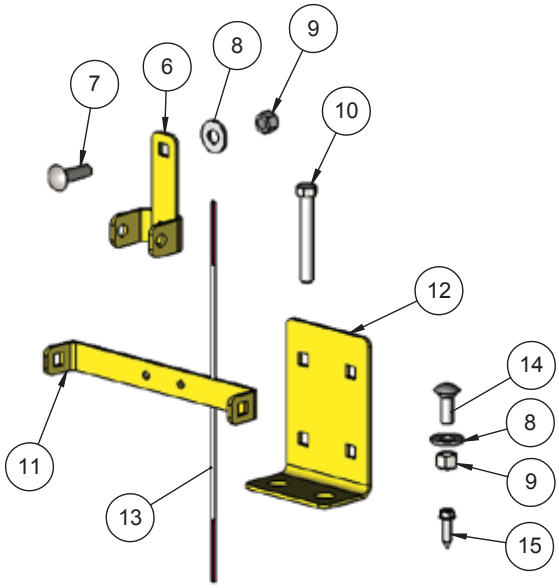
12550032 BELT,V, COGGED,AX25X27”
56150054 OPRTR,ZAP,8825-3-B



CNTRL BOX MOUNTING		
ITEM	PART NUMBER	DESCRIPTION
1	14501213	BRKT,MNT,ENCL,ZAP,GTKPR
2	67850030	SCR,RHMS,PHLP,#10-24X3/4,ZNC
3	74100002	WSHR,FLAT,13/64X1/2X.036,ZNC
4	55600004	NUT,HEX,NYL LOCK,#10-24,ZNC

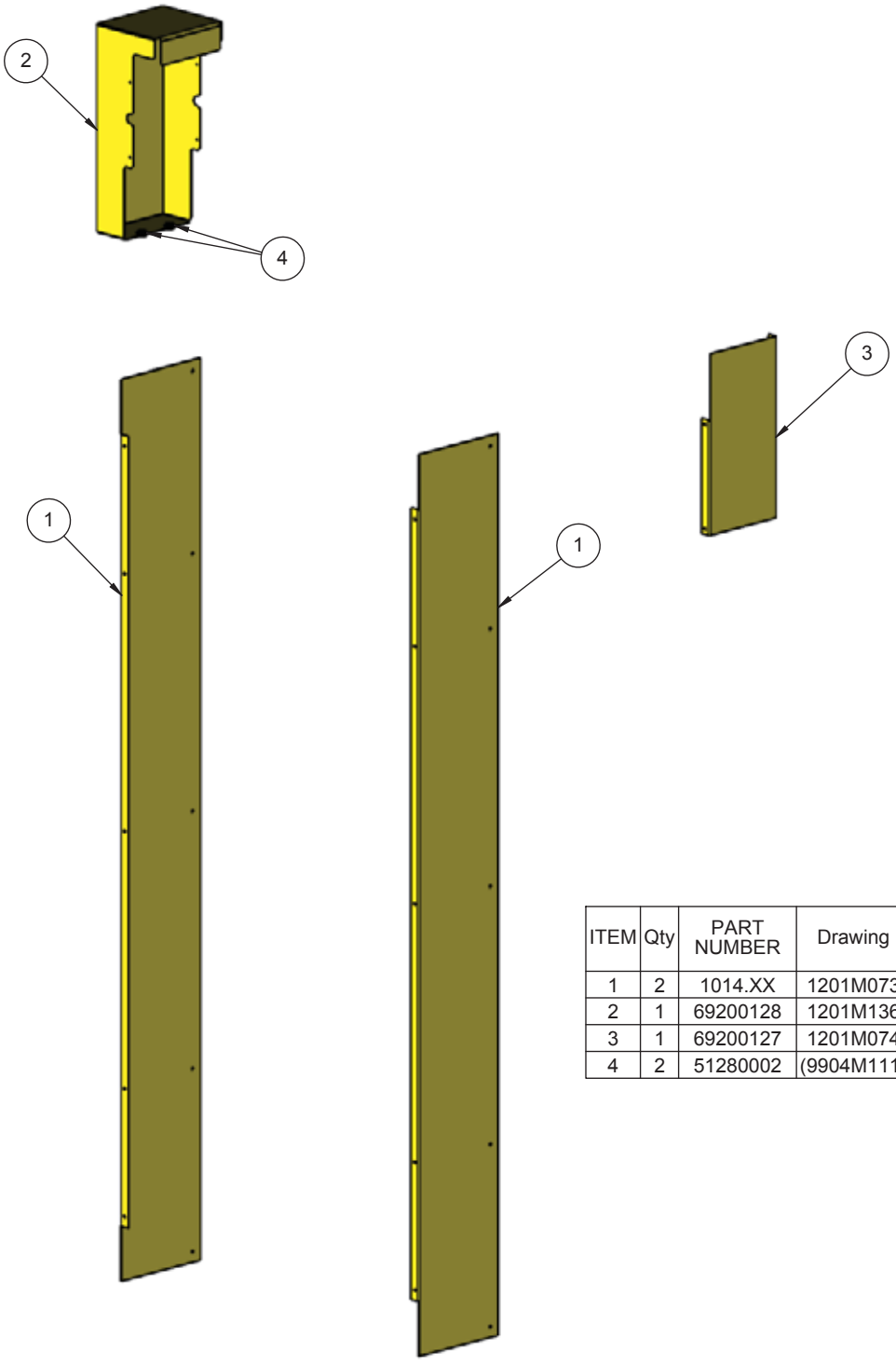


SHAFT,DRIVE,GTKPR			
ITEM	QTY.	PART NUMBER	DESCRIPTION
5	A/R	68950182	SHAFT,KEYED,1",ZNC



MISC PARTS		
ITEM	PART NUMBER	DESCRIPTION
6	14502079	BRKT,STRP,GTKPR
7	67880099	BLT,CARG,3/8-16X1-1/4,ZNC,GR5
8	74130001	WSHR,FLAT,3/8X1X.063,ZNC
9	55630005	NUT,HEX,NYL LOCK,3/8-16,ZNC
10	67880098	SCR,HHMS,3/8-16X2-3/4,GR5,ZNC
11	14501214	BRKT,MNT,ANTIRTN,ZAP,GTKPR
12	14502078	BRKT,MNT,SDFRM,GTKPR
13	15650289	CABLE,22/2,300V,GTKPR
14	67880092	BLT,CARG,3/8-16X1,ZNC,GRD5
15	67860101	SCR,HWH,DR/TP,1/4-14X1

Automatic Shrouds



ITEM	Qty	PART NUMBER	Drawing	DESCRIPTION
1	2	1014.XX	1201M073	SHRD,SDFRM,AUTO,GTKPR
2	1	69200128	1201M136	SHRD,GKPR,DR
3	1	69200127	1201M074	SHRD,NDRV,GKPR
4	2	51280002	(9904M111)	GROM,RBR,5/8ID,13/16HOLE

NOTES

NOTES

RITE-HITE® WARRANTY

RITE-HITE® warrants that its **GATEKEEPER™**, will be free from defects in design, materials and workmanship for a period of one (1) year parts and one (1) year labor from the date of shipment. All claims for breach of this warranty must be made within thirty (30) days after the defect is or can, with reasonable care, be discovered to be entitled to the benefits of this warranty, the products must have been properly installed, maintained, operated within their rated capacities, and not otherwise abused. Periodic lubrication and adjustment is the sole responsibility of the owner. This warranty is RITE-HITE® exclusive warranty. RITE-HITE® EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. Non-standard RITE-HITE® warranties, if any, must be specified by RITE-HITE in writing.

In the event of any defects covered by this warranty, RITE-HITE® will remedy such defects by repairing or replacing any defective equipment or parts, bearing all of the costs for parts, labor, and transportation. This shall be the exclusive remedy for all claims whether based on contract negligence or strict liability. Neither RITE-HITE®, ANY OTHER MANUFACTURER WHOSE PRODUCTS ARE THE SUBJECT OF THIS TRANSACTION, NOR ANY RITE-HITE® REPRESENTATIVE, SHALL IN ANY EVENT BE LIABLE FOR ANY LOSS OR USE OF ANY EQUIPMENT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND WHETHER FOR BREACH OF WARRANTY, NEGLIGENCE, OR STRICT LIABILITY. The application of a manufacturer's specifications to a particular job is the responsibility of the purchaser. RITE-HITE® SHALL NOT IN ANY EVENT BE LIABLE FOR ANY LOSS OF THE USE OF ANY EQUIPMENT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.

AFTERMARKET CORPORATION

8900 N. Arbon Drive
P.O. Box 23043
Milwaukee, Wisconsin 53223
Sales: 414-362-6377
Toll Free: 888-423-0789

Representatives in All Major Cities
To find the name and number of
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