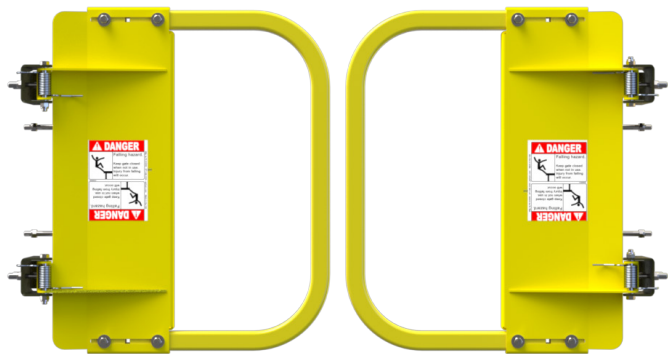


# **PAIRED LADDER SAFETY GATE** **Installation Instructions/Operation and Maintenance Manual**

**Models:**  
All Models



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## **Contact Information**

<p><b>Mail</b></p> <p>PS Safety Access 1150 South 48th Street Grand Forks, ND 58201</p>	<p><b>Local Phone</b></p> <p>701.746.4519</p>	<p><b>Website</b></p> <p>pssafetyaccess.com</p>	<p><b>Hours of Operation</b></p> <p>8 A.M. to 5 P.M. CT Monday – Friday</p>
	<p><b>Toll Free Phone</b></p> <p>877.446.1519</p>	<p><b>Email</b></p> <p>4psinfo@psindustries.com</p>	

**IMPORTANT!** Read entire Instruction and Operations Manual to become familiar with the product.

**NOTICE** This product is a fall protection product. The effectiveness of the product is directly related to the proper installation and operation of this product. Failure to properly maintain this product **will** affect performance.

**Publication Notice**

This manual has been compiled and published covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

PS Safety Access reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

PS Safety Access and/or its respective suppliers may make improvements and/or changes in the product(s)/ service(s) offered and/or the program(s) at any time without notice.

Retain this manual for future reference.  
If you would like to download a copy of this manual, please go to [pssafetyaccess.com](http://pssafetyaccess.com)

Product registration is an essential step to protecting your product, register Online at [psindustries.com/contact/register-your-product/](http://psindustries.com/contact/register-your-product/)

## Safety Precautions

The following icons are used throughout this Manual.

- ▲ DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- ▲ WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- ▲ CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderated injury.
- NOTICE** Indicates manufacturer's statement of additional information.
- IMPORTANT!** Indicates a required action.
- CRITICAL** Indicates a vital component to product performance.

## Paired Ladder Safety Gate Product Information

**NOTICE** Unauthorized modification of or to the product voids this Limited Warranty. Authorized modifications, received in writing from PS INDUSTRIES INCORPORATED, as long as the modification is accomplished in strict accordance with PS INDUSTRIES INCORPORATED's instructions, does not void warranty. To request product modifications contact PS INDUSTRIES INCORPORATED, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com

### I. General Information

- A. This manual contains information regarding installation, operation, and maintenance of the PS Safety Access' Paired Ladder Safety Gate.
- B. PS Safety Access recommends that the owner implement a regular maintenance program to inspect the Paired Ladder Safety Gate as necessary.

### II. Operation Guidelines

- A. The Paired Ladder Safety Gate is designed to meet OSHA Railing Standard 1910.29(b).
- B. Operation in a manner other than intended could result in damage or less than acceptable performance at time of need, for which the manufacturer will not be held responsible.

### III. Safety Precautions

- A. Ensure opening is clear of all obstructions through the entire proposed travel of the Paired Ladder Safety Gate during operation.
- B. Comply with all OSHA and ANSI Safety Regulations and/or company safety policies when installing.

**▲ DANGER** Ensure area below installation is blocked off from personnel during installation, and mounting surface is capable of supporting all loading. Structural analysis of mounting surface is the responsibility of the owner.

### IV. Storage Prior to Installation of Product

- A. Store materials in a dry, ventilated location. If outdoor storage is required, block materials and tarp in a tent-like arrangement, elevated above the product with open sides to allow airflow.

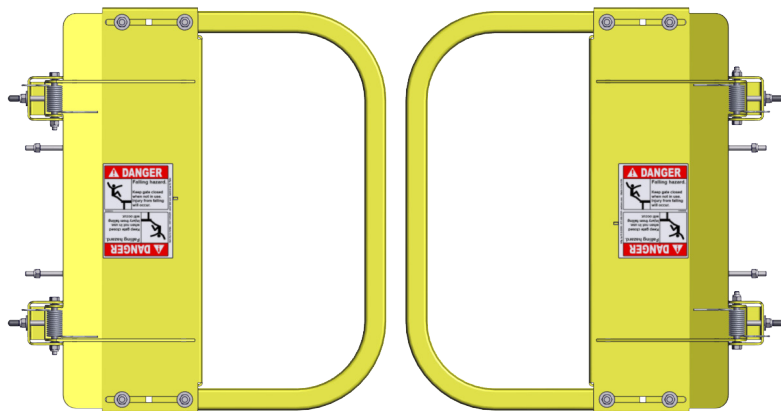
### V. Installation Site Preparation

**NOTICE** Before starting site preparation and installation of the Paired Ladder Safety Gate, read the entire Operation and Maintenance Manual and review all installation instructions thoroughly.

- A. Clear work area of any debris.
- B. Ensure you have the necessary tools available.
- C. Obtained all required permits.
- D. Personnel: Determine the appropriate number of personnel required to perform installation and have them readily available at the project site. (1-2 people recommended)

## Paired Ladder Safety Gate Product Information

**NOTE:** Inventory carton to ensure all parts are present for assembly/installation. Refer to part list below.



(2) Ladder Safety Gate  
(pre-assembled)

### Paired Ladder Safety Gate Part List (As shipped)

ITEM NUMBER	DESCRIPTION	QUANTITY
1*	LSG;HINGEPLT ASSY	2
2*	LSG;HOOP	2
3*	BOLT;CARRIAGE5/16"18X2	8
4*	WASHER;FLAT 5/16"	8
5*	NUT;NYLOCK 5/16"	8
6	LSG;RAILING SUPPORT CHAN	2
7	LSGDBL;HARDWARE BAG	2
8	DBLLSG;Installation/O&M Manual	1

\*Item numbers 1 - 5 come pre-assembled.

### Recommended Tools:

1. One (1) 1/2" Deep-well Socket and Ratchet
2. One (1) Wrench Set
3. One (1) Electric Drill
4. One (1) 11/32" Drill Bit
5. One (1) Tape Measure

## VI. Operation

A. When ascending a ladder/entering the elevated platform:

1. When the gate opening is reached, obtain a firm grip on the railing or ladder.
2. Step through gate.
3. DO NOT USE THE LADDER SAFETY GATE AS A GRAB SURFACE.

B. When descending a ladder/exiting the elevated platform.

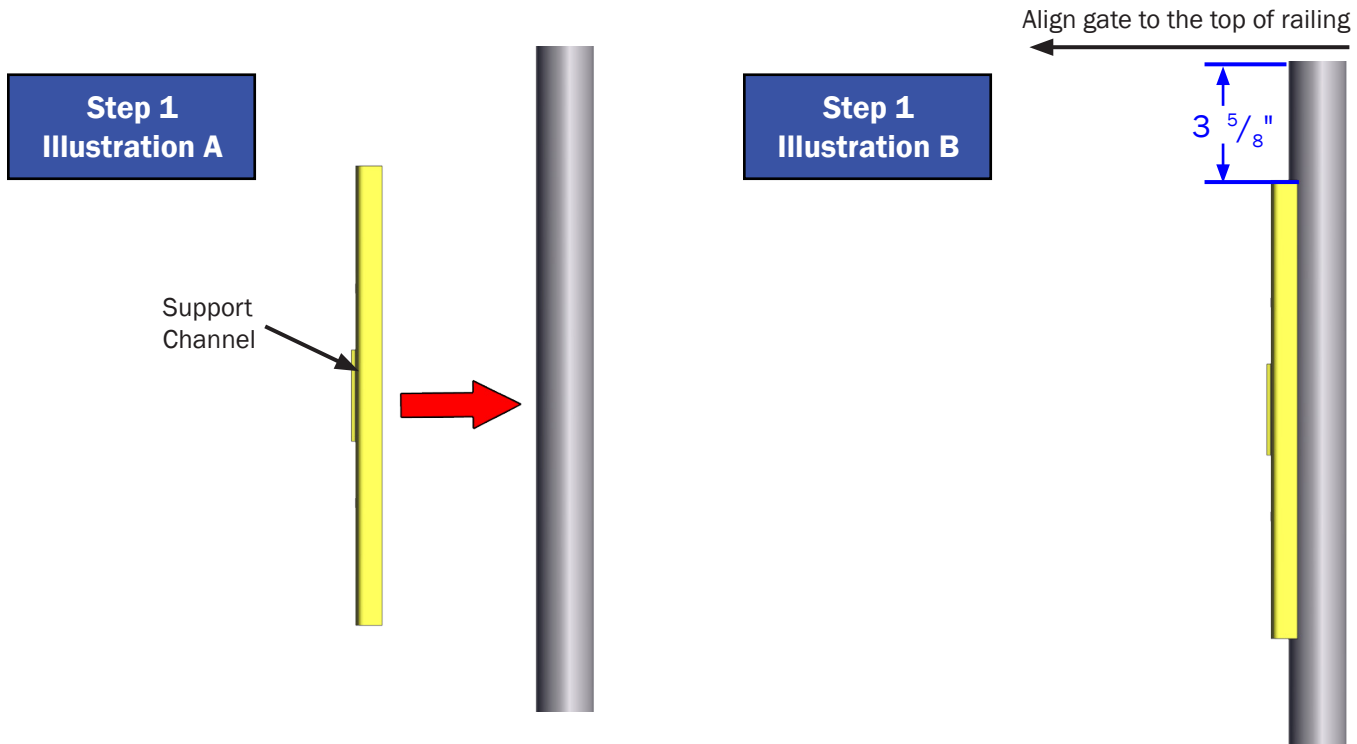
1. Open the Ladder Safety Gate and obtain firm grip on railing.
2. Maneuver yourself into the proper ladder descending position. DO NOT USE THE LADDER SAFETY GATE AS A GRAB SURFACE.
3. Always maintain a firm grip on the railing or ladder.

## Support Channel Installation

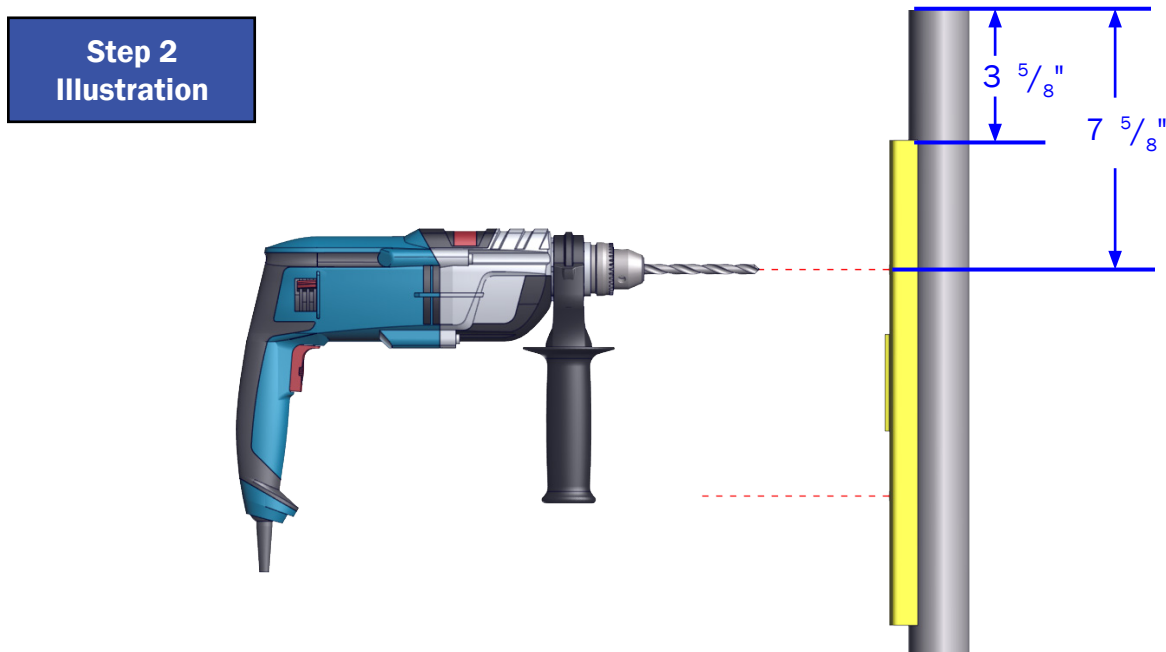
### VII. Support Channel Installation

#### STEP 1. Locate the Support Channel on the railing.

- The distance from the top of the Support Channel to the desired top of the Gate is  $3 \frac{5}{8}$ ". If no railing, adjust top of hoop/gate arm to 42" above walking surface.
- Align Support Channel parallel to the desired opening to ensure proper installation.



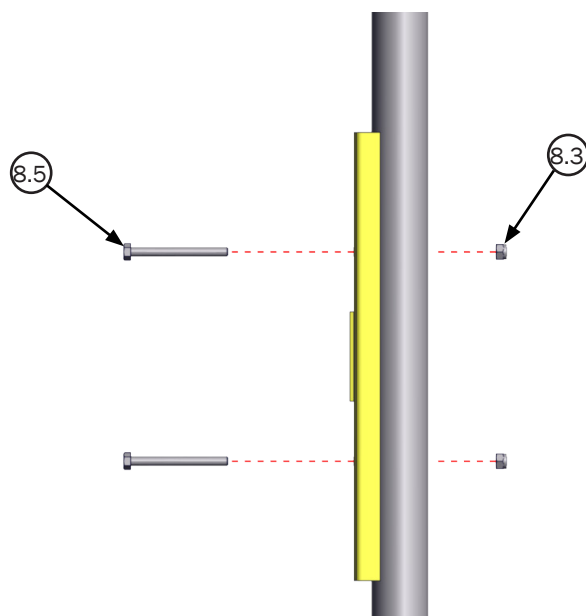
#### STEP 2. Match drill holes into the railing using $1\frac{1}{32}$ " drill bit (Supplied by others, NOT PS Safety Access).



## Support Channel Installation

**STEP 3.** Insert the  $\frac{5}{16}$ " hex bolts through the bailing, loosely securing the Support Channel to the railing.

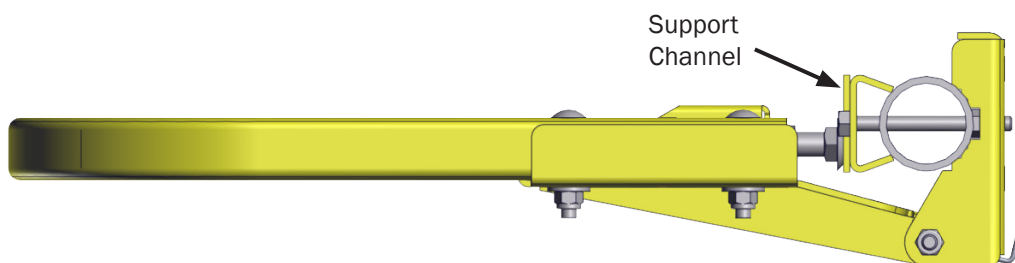
**Step 3  
Illustration**



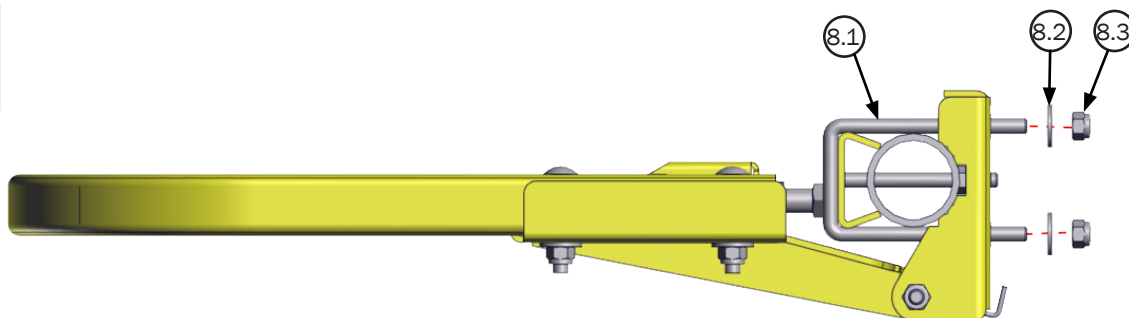
**STEP 4.** Loosely attach the Ladder Safety Gate to the railing with the  $\frac{5}{16}$ " U-Bolts.

*\*Do not tighten, additional adjustment may be required.*

**Step 4  
Illustration A**



**Step 4  
Illustration B**



**STEP 5.** Repeat steps 1-4 for the other Ladder Safety Gate Assembly.

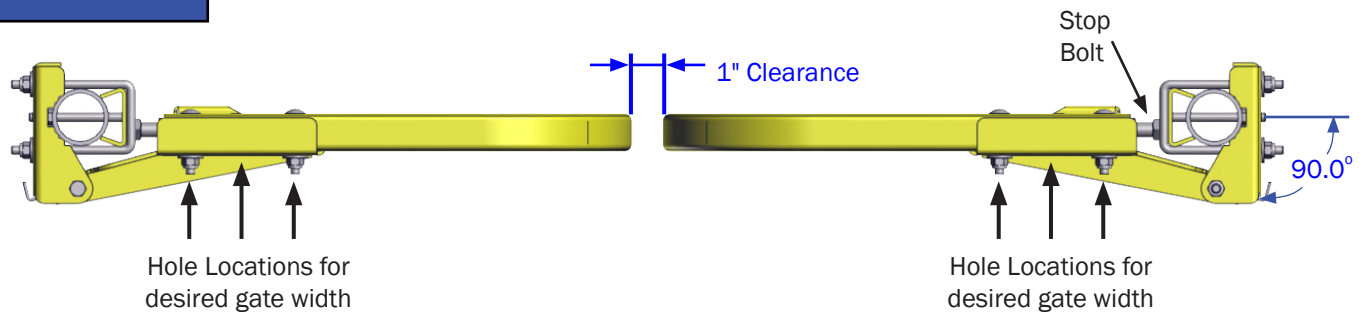
## Support Channel Installation

**STEP 5.** Adjust hoop/gate arms to proper opening width by selecting any combination of two of the three carriage bolt holes at connection point for hinge plate and hoop/gate arms.  
a. Adjust stop bolt to achieve 90° position.

**NOTICE** PS INDUSTRIES recommends leaving a 1" clearance between the gates for typical gate operation.

### Step 5 Illustration

#### TOP VIEW



### CRITICAL VERIFY INSTALLATION

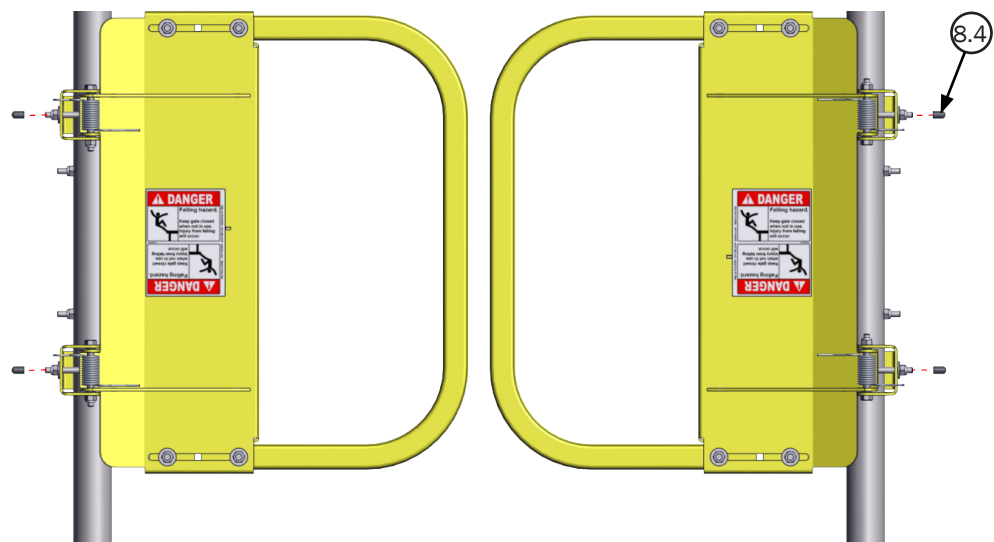
1. Ensure all bolts/nuts are tight.
2. Operate gate to ensure free movement.

**STEP 6.** Operate the Gates through full swing range to check for proper alignment.

**STEP 7.** Tighten Square U-Bolts and Support Channel bolts in final position. Install plastic cover protective thread caps (optional).

**⚠ WARNING** Tighten each U-bolt to 20 ft-lbs of torque and field verify for adequate attachment.

### Step 7 Illustration



## Installation on Angle Iron/Flat Bar Railing, or Wall Surface

### VIII. Installation on Angle Iron/Flat Bar Railing, or Wall Surface

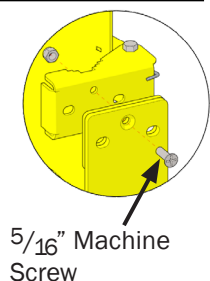
**NOTICE** If mounting your Paired Ladder Safety Gate to angle iron/flat bar railing or wall surface: call PS Safety Access at 877.446.1519 to order an Adapter Kit part # 514255 (1 required per gate assembly).

**STEP 1.** Attach Adapter Kit to the Safety Gate Railing Hinge Brackets with provided  $\frac{5}{16}$ " machine screws and  $\frac{5}{16}$ " nylock nuts.

**STEP 2.** Locate the Paired Ladder Safety Gate on the angle iron/flat bar railing or wall surface.

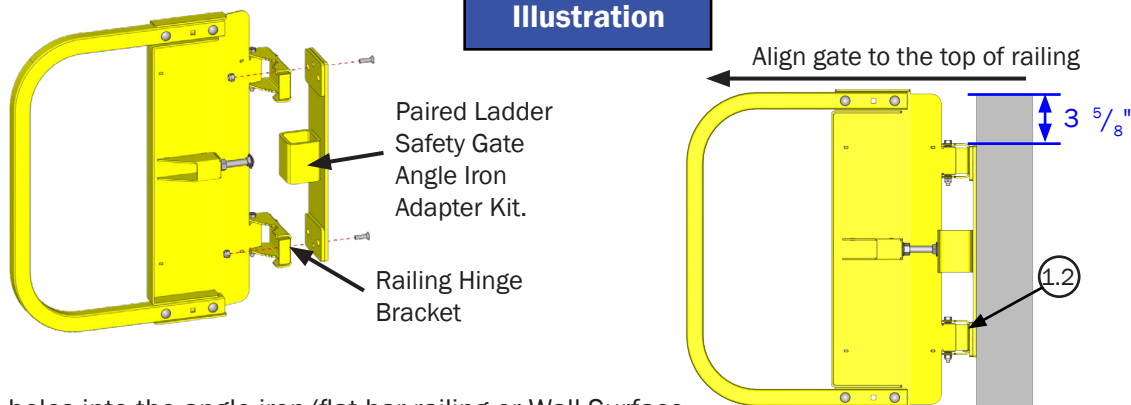
- a. Top of the railing to the top of the Adapter Kit should be  $3 \frac{5}{8}$ ". If no railing, adjust top of hoop/gate arm to 42" above walking surface.

#### Step 1 Illustration



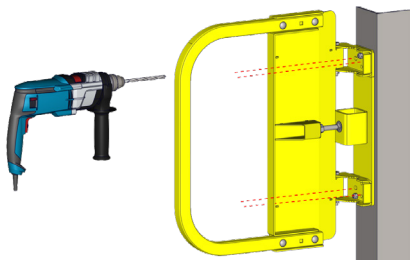
$\frac{5}{16}$ " Machine Screw

#### Step 2 Illustration



**STEP 3.** Match drill  $\frac{3}{8}$ " holes into the angle iron/flat bar railing or Wall Surface.

#### Step 3 Illustration



**NOTICE** Mounting bolts not included.

Recommended Hardware: Minimum  $\frac{5}{16}$ " grade 5 Hex head bolts of appropriate length with washers and self-locking nuts.

**STEP 4.** Insert appropriate mounting bolts through Railing Hinge Brackets and Adapter Kit into railing or wall surface. (Bolts by others, NOT PS Safety Access).

- a. Loosely attach the Ladder Safety Gate to the mounting surface.

*\*Do not tighten, additional adjustment may be required.*

**STEP 5.** Repeat Steps 1-4 for other Gate Assembly.

**STEP 6.** Adjust hoop/gate arms to proper opening width by selecting any combination of two of the three carriage bolt holes at connection point for hinge plate and hoop/gate arms. (See Step 5 Illustration on Page 6)

- a. Adjust stop bolt to achieve  $90^\circ$  position.

**STEP 7.** Operate the Gates through full swing range to check for proper alignment.

**STEP 8.** Tighten mounting bolts in final position. Install plastic cover protective thread caps (optional).

#### **CRITICAL** VERIFY INSTALLATION

1. Ensure all bolts/nuts are tight.
2. Operate gate to ensure free movement.

**⚠ WARNING** Tighten each bolt to 20 ft-lbs of torque and field verify for adequate attachment.

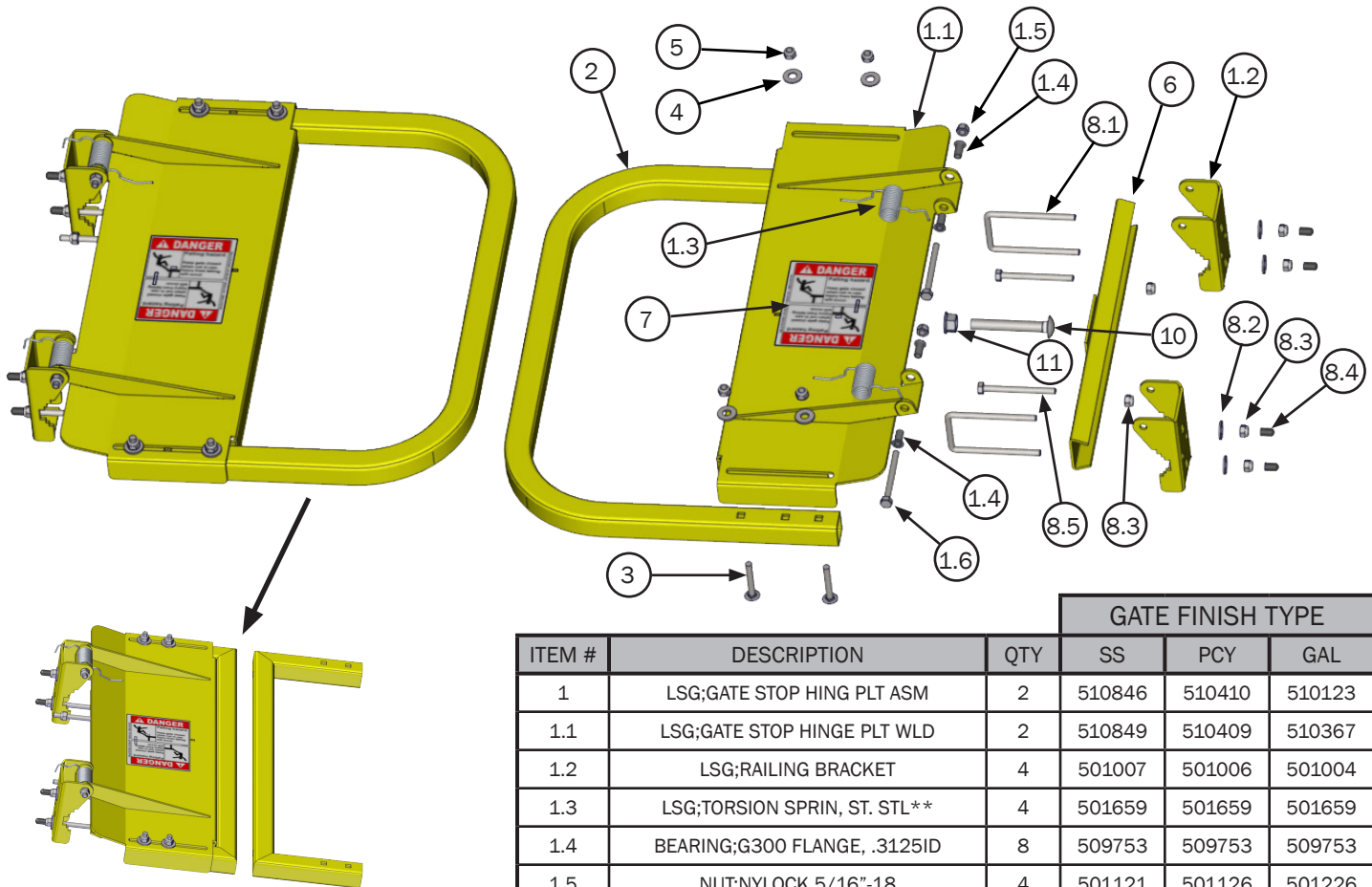


## Replacement Parts List

### IX. Replacement Parts List

**NOTE 1.** Paired Ladder Safety Gate is shipped fully assembled. Diagram is for part identification only.

**NOTE 2.** This diagram is for all Paired Ladder Safety Gate PCY/GAL/SS Models.



\*9" & 12" Paired Ladder Safety Gate Sizes have mitered Hoop/Gate Arm.

FINISH OPTIONS	
SS	Stainless Steel
PCY	Powder Coat Safety Yellow
GAL	Hot Dipped Galvanized

\*\*For replacement springs, order Torsion Spring Kit (part #511686.) Kit includes (1)LSG Torsion Spring, (2)Bushings and Installation Instructions.

**TO ORDER PARTS CONTACT PS SAFETY ACCESS AT 877.446.1519 or [4psinfo@psindustries.com](mailto:4psinfo@psindustries.com)**

ITEM #	DESCRIPTION	QTY	GATE FINISH TYPE		
			SS	PCY	GAL
1	LSG;GATE STOP HING PLT ASM	2	510846	510410	510123
1.1	LSG;GATE STOP HINGE PLT WLD	2	510849	510409	510367
1.2	LSG;RAILING BRACKET	4	501007	501006	501004
1.3	LSG;TORSION SPRIN, ST. STL**	4	501659	501659	501659
1.4	BEARING;G300 FLANGE, .3125ID	8	509753	509753	509753
1.5	NUT;NYLOCK 5/16"-18	4	501121	501126	501226
1.6	BOLT;HEX5/16"18X3	4	500433	500431	500431
2	LSG;HOOP/GATE ARM-XX	2	PART # DEPENDENT ON SIZE OF GATE. CONSULT FACTORY.		
3	BOLT;CARRIAGE5/16" 18X2"	4	509980	500326	500326
4	WASHER, FLAT 5/16"	8	501948	501949	501949
5	NUT;NYLOCK 5/16"-18	8	501121	501126	501126
6	LSG;RAILING SUPPORT CHANNEL	2	510844	510413	510128
7	DECAL;LSG ANSI DANGER	4	500569	500569	500569
8	LSGDBL;HARDWARE BAG	2	510420	510396	510396
8.1	BOLT;SQU 5/16"18X4 PIPE	2	510421	510125	510125
8.2	WASHER, FLAT 5/16"	4	501948	501949	501949
8.3	NUT;NYLOCK 5/16"-18	6	501121	501126	501126
8.4	LSG;CAP PLASTIC FOR 5/16 BOLT	4	500932	500932	500932
8.5	BOLT;HEX5/16"18X3-1/4	2	511485	502710	502710
9	DBLLSG;INSTALLATION/O&M MANUAL	1	510978	510978	510978
10	BOLT;CARRIAGE 1/2"13X3 1/2	2	503293	500315	500315
11	NUT;FLANGE 1/2"13	2	503936	502903	502903



## Inspection and Maintenance

### X. Inspection and Maintenance (Minimum Annually)

**IMPORTANT!** Consult parts list before replacing fasteners, as all have specific design load requirements. Only use like items for replacement.

#### A. Paired Ladder Safety Gate:

1. Inspect components for damage and misalignment. Adjust, repair, or replace as needed, to meet original design tolerance.
2. Check gates for proper alignment with catch. Adjust as necessary to achieve proper alignment.

#### B. Fasteners and mechanical connections

1. All fasteners must be in place and adjusted to their original design standard. Replace any damaged components.
2. Check all mounting connections, making sure they meet original design standards (refer to instructions).

#### C. Finishes

1. Inspect and clean finishes periodically.
2. Touch up repair finishes, or refinish as necessary to protect the structural integrity of the Paired Ladder Safety Gate.
3. The PCY Paired Ladder Safety Gate comes with a polyester powder coat finish. Use finish materials compatible with powder coat. Follow paint manufacturers' instructions for prep and touch-up.

#### D. Housekeeping

1. To ensure your product continues to operate and last, upon completion of proper installation, complete the following:
  - a. Clean all surfaces.
  - b. If project is ongoing, protect installed products until final completion of project.
  - c. Touch-up, repair, or replace damaged components.
2. Ensure the area is clear of debris and interferences while swinging the gates.

#### E. Labels and Placards:

1. Inspect all labels and placards.
2. Replace any labels and placards which are unreadable/missing.

**CRITICAL** Periodic Inspection and Maintenance Required. Inspect at minimum annually.

Serial Number: \_\_\_\_\_

Location: \_\_\_\_\_

[illegible]

## PS INDUSTRIES INCORPORATED – LIMITED WARRANTY

**Limited Warranty:** Subject to the terms of this Limited Warranty, PS INDUSTRIES INCORPORATED warrants to the original user or consumer (the "Owner") of a PS INDUSTRIES INCORPORATED product (the "Product") that, for a period of one (1) year from date of shipment, the Product will be free from defects in material and workmanship under normal use and service, and provided the Product is installed, operated and maintained in accordance with instructions supplied by PS INDUSTRIES INCORPORATED. The terms and limitations of this Limited Warranty apply to all repaired or replacement Products for a term equal to the balance of the warranty remaining on the Product that was repaired or replaced as of the date of such repair or replacement. Register online at: [www.psindustries.com/contact/register-your-product](http://www.psindustries.com/contact/register-your-product)

**PS Flood Barriers™ Product Warranty Registration:** For PS Flood Barriers™ Products, this Limited Warranty will only be valid if the Owner completes the Warranty Registration Form provided within thirty (30) days of Product installation. To request a copy of the Warranty Registration Form, contact PS INDUSTRIES INCORPORATED, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: [4psinfo@psindustries.com](mailto:4psinfo@psindustries.com). Register online at: [www.psindustries.com/contact/register-your-product/](http://www.psindustries.com/contact/register-your-product/) Additional Warranty Registration Forms can be downloaded at [www.psfloodbarriers.com/download-center/](http://www.psfloodbarriers.com/download-center/)

**Warranty Exclusions:** Notwithstanding anything to the contrary, this Limited Warranty does not cover any of the following:

1. Normal wear and tear (including, but not limited to, normal wear and tear to gaskets and weather seals); damage or accidents resulting from freight damage, from failure to follow precautionary safety measures, or applied paint failure; abuse, misuse or unauthorized modification of the Product; misapplication; improper installation; or any defects, damage or other harm that is not the result of the acts or omissions of PS INDUSTRIES INCORPORATED.
2. Cost of field labor or other charges incurred by Owner in removing and/or re-affixing the Product or any part or component thereof.
3. Transportation costs.

Unauthorized modification of or to the Product voids this Limited Warranty. Authorized modifications, received in writing from PS INDUSTRIES INCORPORATED, as long as the modification is accomplished in strict accordance with PS INDUSTRIES INCORPORATED's instructions, does not void warranty. To request product modifications contact PS INDUSTRIES INCORPORATED, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: [4psinfo@psindustries.com](mailto:4psinfo@psindustries.com).

**Claim Procedure:** To make a claim under this Limited Warranty, the claim must be received by PS INDUSTRIES INCORPORATED before the expiration of the above stated Limited Warranty period together with proof of purchase. Contact PS INDUSTRIES INCORPORATED at the address shown below.

PS INDUSTRIES INCORPORATED	Toll Free: 877-446-1519
Attention: Warranty	Phone: 701-746-4519
1150 S. 48th Street	Fax: 701-746-8340
Grand Forks, ND 58201	E-mail: <a href="mailto:4psinfo@psindustries.com">4psinfo@psindustries.com</a>

An authorized PS INDUSTRIES INCORPORATED representative must be given a reasonable opportunity to inspect and investigate the alleged Product defect prior to any work being done that affects the Product or its installation. PS INDUSTRIES INCORPORATED reserves the right to charge reasonable amounts for travel and labor associated with investigation of claims. PS INDUSTRIES INCORPORATED may also require photographs of the alleged Product defect or return of the Product or part to a designated PS INDUSTRIES INCORPORATED location, freight prepaid. A return goods authorization must be received prior to the return of the Product or part. Please contact PS INDUSTRIES INCORPORATED to determine the designated location for return and to obtain the return material authorization.

**Exclusive Remedy:** In the event of a warranty claim that PS INDUSTRIES INCORPORATED determines to be covered by this Limited Warranty, PS INDUSTRIES INCORPORATED will replace or repair, at PS INDUSTRIES INCORPORATED's discretion, the Product or any part of the Product found to be defective.

**Disclaimers:** The above warranty and remedy is the sole express warranty and remedy given by PS INDUSTRIES INCORPORATED on its Product. No warranties or representations at any time made by any representative from PS INDUSTRIES INCORPORATED shall vary or expand the provisions hereof. TO THE EXTENT PERMITTED BY LAW, ALL EXPRESS AND IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT) OTHER THAN THE EXPRESS LIMITED WARRANTY SET FORTH ABOVE ARE EXPRESSLY DISCLAIMED. UPON THE EXPIRATION OF THE ABOVE STATED LIMITED WARRANTY PERIOD, ANY AND ALL APPLICABLE IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT, ARE DISCLAIMED. SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO OWNER.

**LIABILITY LIMITATION:** In no event will PS INDUSTRIES INCORPORATED's liability to Owner or any other person or entity exceed the price paid to PS INDUSTRIES INCORPORATED for the defective Product. IN NO EVENT SHALL PS INDUSTRIES INCORPORATED BE LIABLE TO OWNER OR ANY OTHER PERSON OR ENTITY FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF WARRANTY (INCLUDING ANY IMPLIED WARRANTIES) OR ANY OTHER CONTRACT, STRICT LIABILITY, NEGLIGENCE OR OTHER TORT, OR OTHERWISE, INCLUDING ARISING FROM INSPECTION OR REMEDY DELAYS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO OWNER.

THIS WARRANTY GIVES OWNER SPECIFIC LEGAL RIGHTS AND OWNER MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

Rev. 010719



**877.446.1519**

**4psinfo@psindustries.com | pssafetyaccess.com**  
**1150 South 48th Street | Grand Forks, ND 58201**

**Product Registration:**  
**[psindustries.com/contact/register-your-product](https://psindustries.com/contact/register-your-product)**