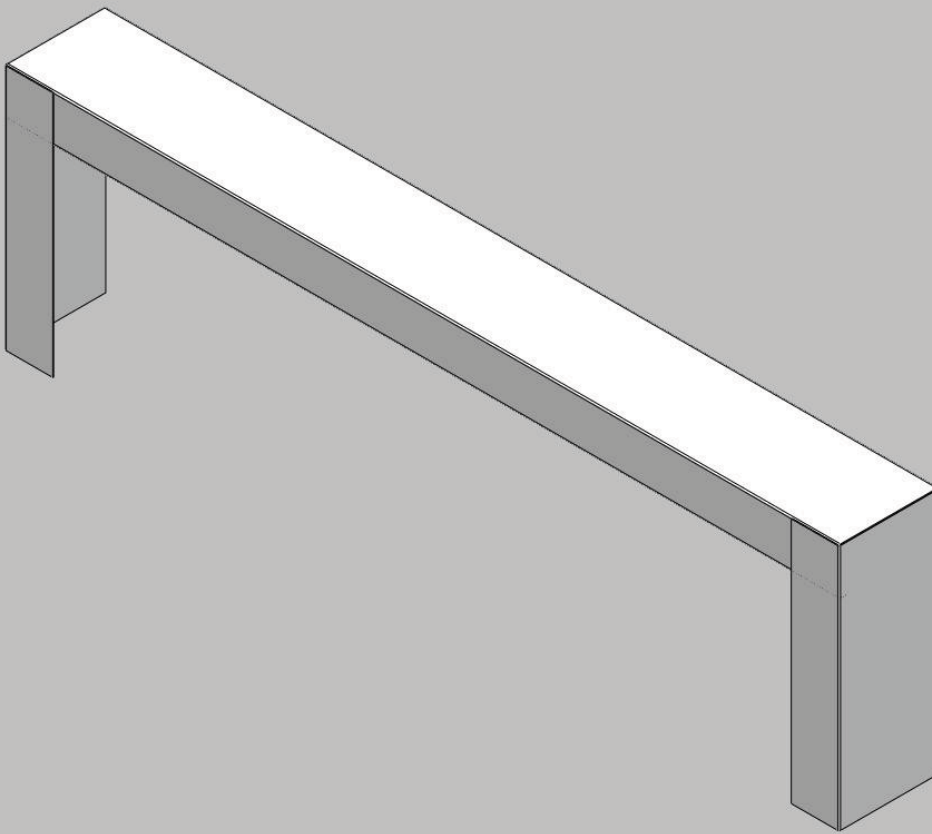


## Installation Manual

### Header Kit for DH Series Liftgates



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## Introduction

This manual provides you with the information necessary for the installation of the SAF-HOLLAND Header Kit for DH series liftgates.

**NOTE:** For liftgate components replacement, contact SAF-HOLLAND Customer Service at: :  
 U.S. 1-888-396-6501  
 Canada 1-800-503-9847.

## Warranty

Refer to the complete warranty for the country in which the product will be used. A copy of the warranty certificate is included with the product as well as on the SAF-HOLLAND Web Site ([www.safholland.us](http://www.safholland.us) and [www.safholland.ca](http://www.safholland.ca)). It may also be ordered directly from SAF-HOLLAND; the address is shown on the back cover.

## Notes, Cautions and Warnings

You must read and understand all of the safety procedures presented in this manual before starting any work on the liftgate.

**NOTE:** In the United States, work shop safety requirements are defined by federal and/or state Occupational Safety and Health Act. Equivalent laws may exist in other countries. This manual is written based on the assumption that OSHA or other applicable employee safety regulations are followed by the location where work is performed.

**NOTE :** Includes additional information to enable accurate and easy performance of procedures.

**IMPORTANT:** Includes additional information that if not followed could lead to hindered product performance.

**CAUTION** Used without the safety alert symbol, indicates a potentially hazardous situation which, if not avoided, may result in property damage.

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

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

Throughout this manual, you will notice the terms “NOTE,” “IMPORTANT,” “CAUTION,” and “WARNING,” followed by important product information. So that you may better understand the manual, these terms are as follows:



## 1. Safety Precautions

**IMPORTANT:** Read this manual before using this product. Keep this manual in a safe location for future reference.

**CAUTION** Failure to follow the instructions and safety precautions in this manual may result in property damage.

### General Safety Precautions

1. To reduce the risks and ensure safety at all times, this section of the manual details a number of safety rules which should always be adhered to.
2. Study all the safety messages in this manual and on the equipment carefully.
3. You must be fully trained on the capabilities and the limitations of this equipment to operate the equipment properly.
4. Always use the proper tool for the job. Repair or replace worn or damaged tools before starting any repairs.

**NOTE :** Proper tools must be used to perform the installation procedures in this manual. Many of these procedures require special tools.

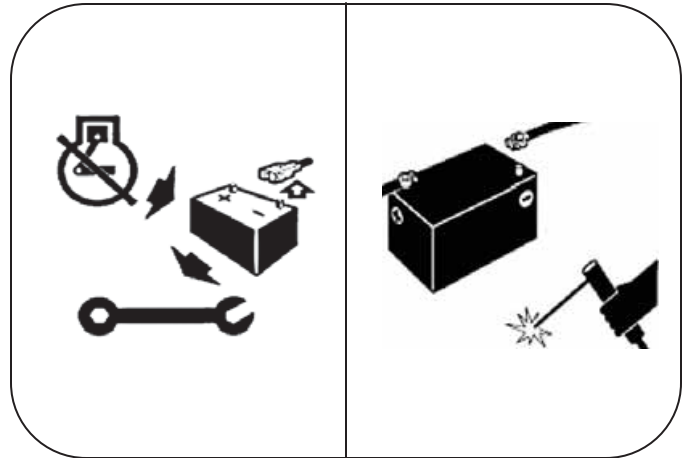
### Installation Safety Precautions

1. Do not work underneath the liftgate without properly supporting the raised platform and liftframe in accordance with workplace safety requirements..
2. Never strike any part of the liftgate with a steel hammer.
3. Personal protective equipment should always be worn as protection from flying debris, and other airborne matter when working with tools, power

**⚠️WARNING** Failure to turn off vehicle motor before commencing work could allow vehicle to move which, if not avoided, could result in death or

4. While servicing or repairing equipment, always disconnect the electrical power to the pump motor and ensure that the platform and liftframe is supported on the ground or secured in the travel lugs.
5. When welding is required, ensure that the battery ground cable is disconnected and that all electronic equipment is completely electrically isolated before welding is initiated (**Figure 1**).
6. Before starting any welding, ensure that the area to be repaired is cleaned of debris and combustible material. Have a charged fire extinguisher

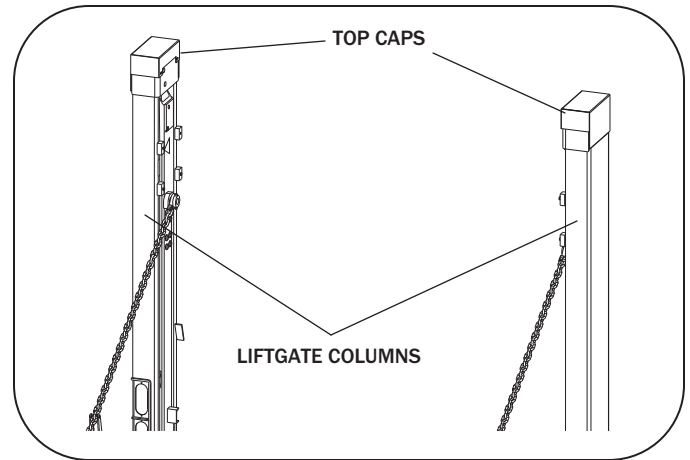
Figure 1



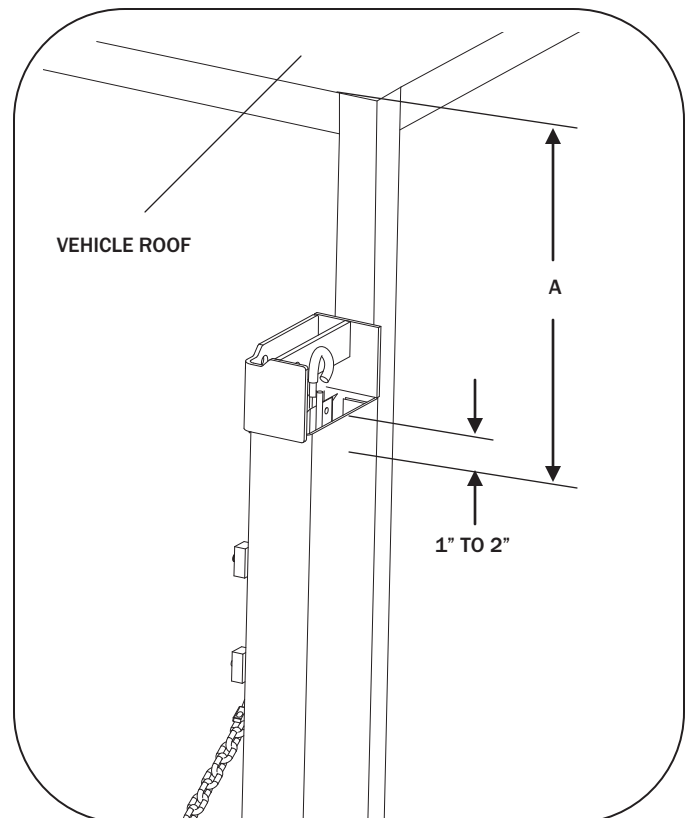
## 2. Installation Instructions

1. Install the DH liftgate as per the supplied SAF-HOLLAND and installation instructions.
2. Remove the top caps from the top of the liftgate columns (**Figure 3**). This is done by removing the two top cap bolts on the inboard side of each column.
3. Measure the distance from the vehicle roof to approximately 1" to 2" below the outside top edge of one of the columns; this distance will be referred to as distance 'A' (**Figure 4**).

**Figure 3**

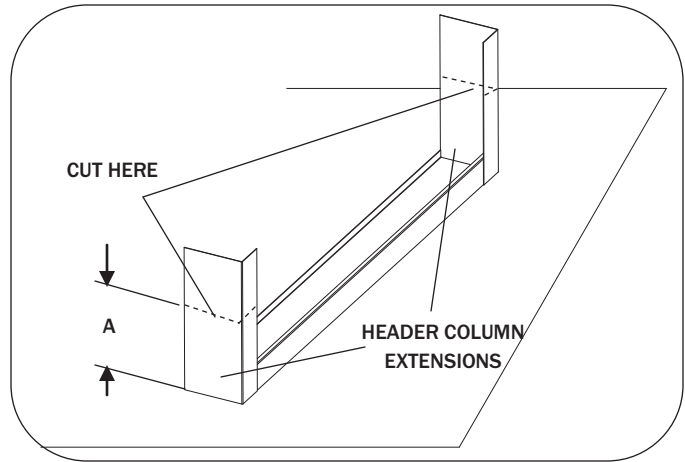


**Figure 4**

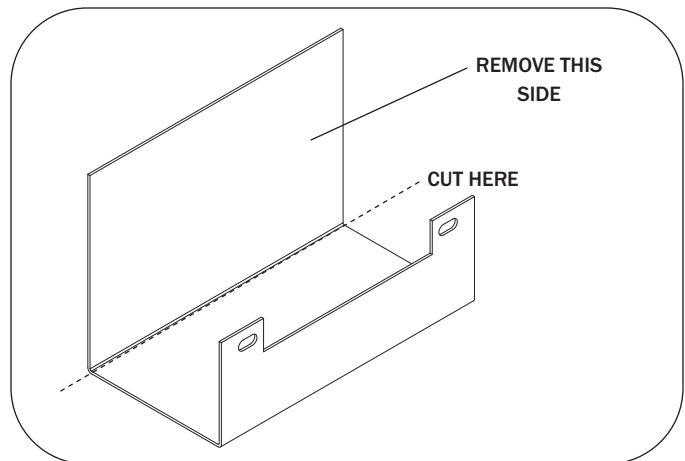


4. Place the header upside down on a supported surface. Measure and mark the header's vertical members the same distance 'A' from step 3 (**Figure 5**).
5. Using the marks made in the previous step as guides, cut the column extensions to the appropriate length.
6. It is recommended that the top caps are reused. To do this, cut off the side indicated in **Figure 6**. Remove this side from both caps.
7. Before welding the header in place, prep the header by grinding off any paint or galvanizing 1" to 4" from either side of the weld zone (**Figure 7**). For weld locations refer to **Figure 9**.

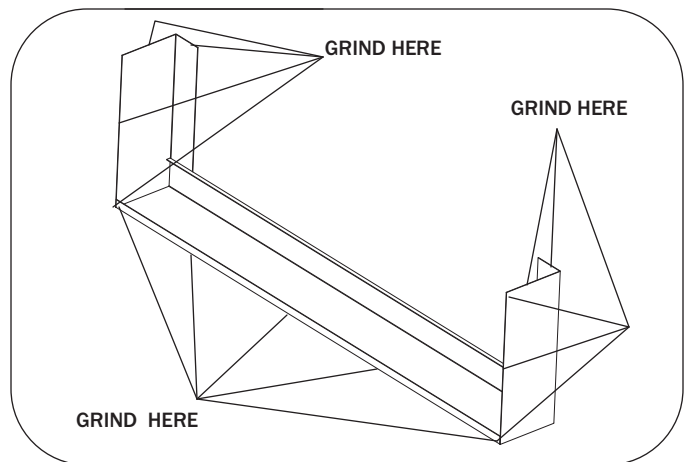
**Figure 5**



**Figure 6**

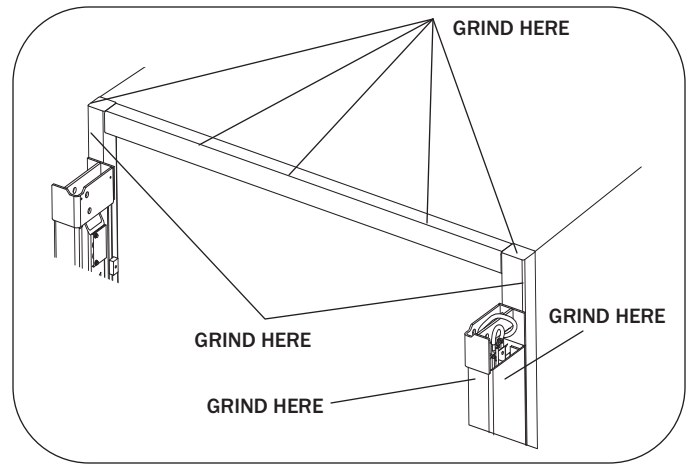


**Figure 7**

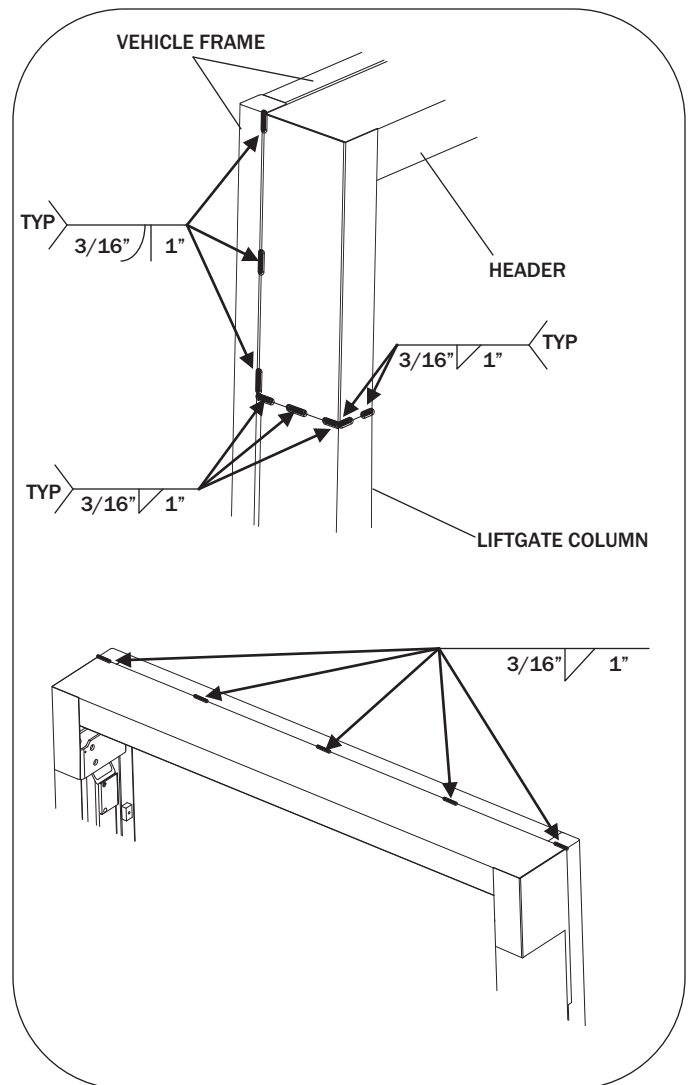


8. Before welding the header in place, prep the vehicle frame by grinding off any paint or galvanizing to within 1" to 4" of the weld zone (**Figure 8**). For weld locations refer to **Figure 9**.
9. Remove any existing vehicle lighting that would otherwise be hidden by the header.
10. Fasten the modified top caps back onto the liftgate columns as they were prior to Step 2 (**Figure 3**).
11. After ensuring that the header is square and flush with the vehicle roof and side walls weld the header per **Figure 9**.
12. Finish the installation of the header by caulking all open cavities between the header and rear of the vehicle prior to painting.
13. Touch up paint as required. For galvanized liftgates and headers, touch up in accordance with the most recent release of ASTM A 780: Standard Practice for Repair of Damaged and Uncoated Areas of Hot Dip Galvanized Coatings, which specifies the use of zinc-rich paints.
14. Install rear vehicle lighting in the header per the local or national requirements.

**Figure 8**



**Figure 9**





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SAF-HOLLAND Original Parts are tested and designed to provide maximum performance and durability. Will-fits, look-alikes or, worse yet, counterfeit parts will only limit the performance potential and could possibly void SAF-HOLLAND's warranty. Always be sure to spec SAF-HOLLAND Original Parts when servicing your SAF-HOLLAND product.

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