

ANTHONY
LIFTGATES, INC.®

DCT



INSTALLATION, OPERATION, AND MAINTENANCE

MODELS

DCT-25
DCT-25-WR
DCT-33
DCT-33-WR


BED HEIGHT



Read and Understand the manual. This manual provides information and procedures to safely operate and maintain the liftgate.



QUALITY, RELIABILITY, CUSTOMER SERVICE

MADE IN THE USA 

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1. General Information Section

1.1 Introduction

Congratulations on selecting an Anthony Liftgates Tuckunder liftgate. Our liftgates are the finest available on the market today. To ensure your liftgate will perform to your expectations, we have provided this Installation and Operation manual as well as a separate Parts manual. These manuals are designed to provide you with the necessary instructions, safety precautions, and parts information to install, operate, and maintain the Dual Cylinder Tuckunder liftgates.



Typical Anthony Liftgates Dual Cylinder Tuckunder Liftgate.

Important Operation Notes!

A platform restraining system may be needed to retain certain types of cargo on the liftgate platform, such as a cart stop, retention ramp, fencing, straps, etc. This should be considered by the purchaser for their particular application to prevent the possibility of severe personal injury or death due to cargo shifting and/or falling from the liftgate platform.

All users of this liftgate must be at least 18 years old and have read and understood all operation instructions and safety decals before use.

⚠ WARNING



Crush Hazard
Unsecured loads, when moved on the liftgate, can shift or fall.

To prevent personal injury or death, make sure loads are securely fastened to liftgate or restrained by cart stops, retention ramp, or fencing.

1.2 Installation Recommendations

⚠ WARNING



The success or failure of this liftgate to properly and efficiently operate will depend on a thorough and proper installation. Failure to read, understand, and follow the installation instructions and safety recommendations in this manual before installing the liftgate can result in serious injury or death. Also read and understand the operating instructions in the Operation Section.

When installed, this liftgate must not alter nor prevent vehicle compliance to any existing state or federal standards, and especially FMVSS 105. Each chassis manufacturer's recommendations should be consulted for compliance. Also make sure the weight of the liftgate and its load will not overbalance the truck, possibly raising the front wheels off the ground.

This manual provides easy to follow instructions, along with photos and illustrations, which will help facilitate the installation process. Safety precautions have been clearly identified throughout each section of this manual and should be followed.

In addition, a complete explanation of the safety terminology and recommendations are included in "2. Safety Section" on page 8 of this manual.

Please turn to this section and read it thoroughly before proceeding to the next page.

At the bottom of each page is the Product Support phone number. If you are unclear about any of the instructions, please phone the Anthony Liftgates' Product Support department.

All Anthony Tuckunder model liftgates are factory assembled, energized, and tested to ensure the highest quality performance standards. DCT liftgates ship completely assembled for fast, clean, and easy installation.

Even though the following goes without saying, we feel compelled to state:

Anthony liftgates should only be installed by those with sufficient skills to understand the installation and operation of the liftgate, along with the equipment required to install the liftgate. The installation instructions in this manual are intended to give typical installation instructions to the installer for both the operation and what we believe to be the most desirable sequence of installation. These instructions cannot replace a qualified person, or clear thinking and the basic knowledge that must be possessed by the installer.

We urge the installer (or anyone else) to call us if they have any questions. We have qualified personnel at our Pontiac, Illinois, plant to answer any questions that you may have. A detailed discussion on the phone can be far more satisfactory than a detailed written explanation.

It has been our experience that a knowledgeable journeyman following these installation instructions and observing the operation of the liftgate will have sufficient comprehension of the liftgate to enable this person to troubleshoot and correct all normal problems that may be encountered. However, again we urge you to call us at the Pontiac, Illinois, plant if you find the liftgate is not operating properly or if you do not know how to make the necessary repair.

If you have any doubts or questions, call us at:

Anthony Liftgates, Inc.
1037 West Howard Street
Pontiac, Illinois 61764
(815) 842-3383
www.anthonyliftgates.com

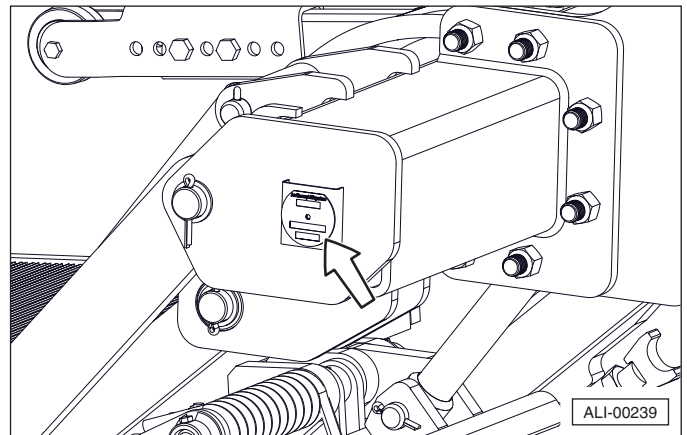
1.3 Warranty

NOTICE

The liftgate must be installed according to these instructions or the warranty will be void. Unauthorized modifications of the liftgate may cause it to improperly operate or cause other unforeseen problems or dangers. If any deviation is deemed necessary, written permission must first be obtained from Anthony Liftgates.

All decals must be in place and legible or all warranties are void.

Before calling for warranty or other product information, have the serial number, model number, and lift capacity of your liftgate available. This information is stamped into the identification plate on the right end of the adapter frame and will help us verify your warranty information and your specific liftgate.



Serial Number Identification Plate.

Record the serial number, model number, date of installation, and load capacity for easy reference when contacting Anthony Liftgates with questions.

Serial Number Information	
Serial No.	
Model No.	
Date of Installation	
Lift Capacity	

Refer to "11. Limited Warranty" on page 48 for the complete warranty statement.

1.4 Decals

SAFETY INSTRUCTIONS



To prevent personal injury from not being aware of safety recommendations, make sure all decals are attached to the liftgate and/or truck and are legible at all times!

Safety decals provide a vital role in helping reduce injury and/or death. To ensure the greatest level of safety, all decals must be attached to the liftgate and be legible at all times. Remember, it is the users' responsibility to maintain these decals. For decal placement, or a complete part number list and illustration of the decals used on the DCT Tuckunder liftgate, refer to "6. Decals" on page 33 in this manual.

For replacement decals contact:

Anthony Liftgates, Inc.
1037 West Howard Street
Pontiac, Illinois 61764
(815) 842-3383 or 800-482-0003
www.anthonyliftgates.com

1.5 Ordering Parts

We manufacture a quality liftgate that requires very little maintenance or repair. However, should a part break, become damaged, or worn, our knowledgeable staff can make sure you receive the part(s) to put your liftgate back into operation.

Note: The liftgate's packet of information does not contain a "parts manual." The most current and up-to-date parts manuals can be obtained by accessing our website anytime.

Our website address is **www.anthonyliftgates.com**
Click on "Manual" and choose a model.

If you do not have access to the internet, or just prefer a printed copy of a manual, we can send one to you. Call or write our office listed below.

For questions or to order parts, contact:
Anthony Liftgates, Inc.
1037 West Howard Street
Pontiac, Illinois 61764
(815) 842-3383 or 800-482-0003
Web: www.anthonyliftgates.com
Email: Sales@anthonyliftgates.com

2. Safety Section

2.1 Safety is Your Responsibility



It is the responsibility of the installer/operator to understand and perform proper operating procedures. Be aware of the inherent dangers in the use of this product and the tools used to install it. Read and understand all Danger, Warnings, Cautions, and Important Notices in this manual and on the liftgate or truck.

2.2 Safety Signal Words



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

This manual contains DANGERS, SAFETY INSTRUCTIONS, CAUTIONS, IMPORTANT NOTICES, and NOTES which must be followed to prevent the possibility of improper service, damage to the equipment, personal injury, or death. The following key words call the readers' attention to potential hazards.

Hazards are identified by the "Safety Alert Symbol" and followed by a signal word such as "DANGER", "WARNING", or "CAUTION".

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations.

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 moderate injury.

NOTICE

Indicates that equipment or property damage can result if instructions are not followed.

SAFETY INSTRUCTIONS

Safety instructions (or equivalent) signs indicate specific safety-related instructions or procedures.

Note: Contains additional information important to a procedure.

2.3 Safety Rules

Accidents can often be avoided by being alert and recognizing potentially hazardous situations. Any individuals installing, operating, repairing, or maintaining products manufactured by Anthony Liftgates should have the necessary training, skills, and tools required to perform these functions properly and safely. The safety information in this manual serves as a basic guide in an attempt to prevent injury or death.

Anthony Liftgates cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this manual and on the product itself are, therefore, not all-inclusive. If tools, procedures, work methods, or operating techniques that are not specifically mentioned by Anthony Liftgates are used, you must satisfy yourself that they are safe for you and for others. Make sure the liftgate or truck it is mounted onto will not be damaged or made unsafe by any operation, lubrication, maintenance, or repair procedures that you choose.

DO NOT proceed, if any doubt arises about the correct or safe method of performing anything found in this or other Anthony Liftgates' manuals. Seek out expert assistance from a qualified person before continuing.

WARNING



To avoid personal injury or death, carefully read and understand all instructions pertaining to the Anthony Liftgates product. Do not attempt to install, operate, or maintain our product without fully understanding all of our instructions and safety recommendations. Do not operate or work on a truck or liftgate unless you read and understand the instructions and warnings in the Installation and Operation manual. If any doubt or question arises about the correct or safe method of performing anything found in this or other Anthony Liftgates manuals, contact your Anthony Liftgates dealer or call the Inside Sales and Service representatives at our main headquarters. Proper care is your responsibility.

⚠️ WARNING



To prevent serious bodily injury, keep sparks, lighted matches, and open flames away from the top of the battery, because battery gas can explode. Always follow all the manufacturers' safety recommendations when working around the truck's battery.



To avoid eye injury, always wear eye protection with the proper lens to protect your eyes.



To prevent personal injury, clean up any spilled fluids immediately. To avoid tripping, do not leave tools or components laying around in the work area.



Impaired User Hazard
Do not attempt to assemble, operate, or maintain the liftgate under the influence of drugs or alcohol. Consult your doctor before using the liftgate while taking prescription medications.

⚠️ CAUTION



Anthony Liftgates recommends not riding the liftgate, however, if the delivery operation requires it, make sure your footing is stable before raising or lowering platform. Always stand away from the edge. When on the ground, always stand clear of liftgate when it is operating.



Always use/set the truck's parking brake before operating the liftgate. Failure to follow this recommendation can result in injury.



Do not place hands or feet in pinch points.



Do not place your feet under the liftgate.

SAFETY INSTRUCTIONS



To prevent injury, the liftgate and its related components should only be installed by a qualified installer. They should have knowledge and skill in using lifting equipment and a cutting torch.












To prevent possible injuries due to improper operation, make sure all decals are attached to the liftgate and/or truck and are legible at all times.

2.4 Safety Icons Nomenclature

This manual and the equipment has numerous safety icons. These safety icons provide important operating instructions which alert you to potential personal injury hazards.

















2.4.1 Personal Protection/Important Information

-  Read the manual
-  Damaged Safety Signs
-  Use proper tools
-  Use two people when lifting heavy objects
-  Weight rating
-  Eye protection
-  Breathing protection
-  Inspect Equipment
-  Set parking brake

2.4.2 Prohibited Actions

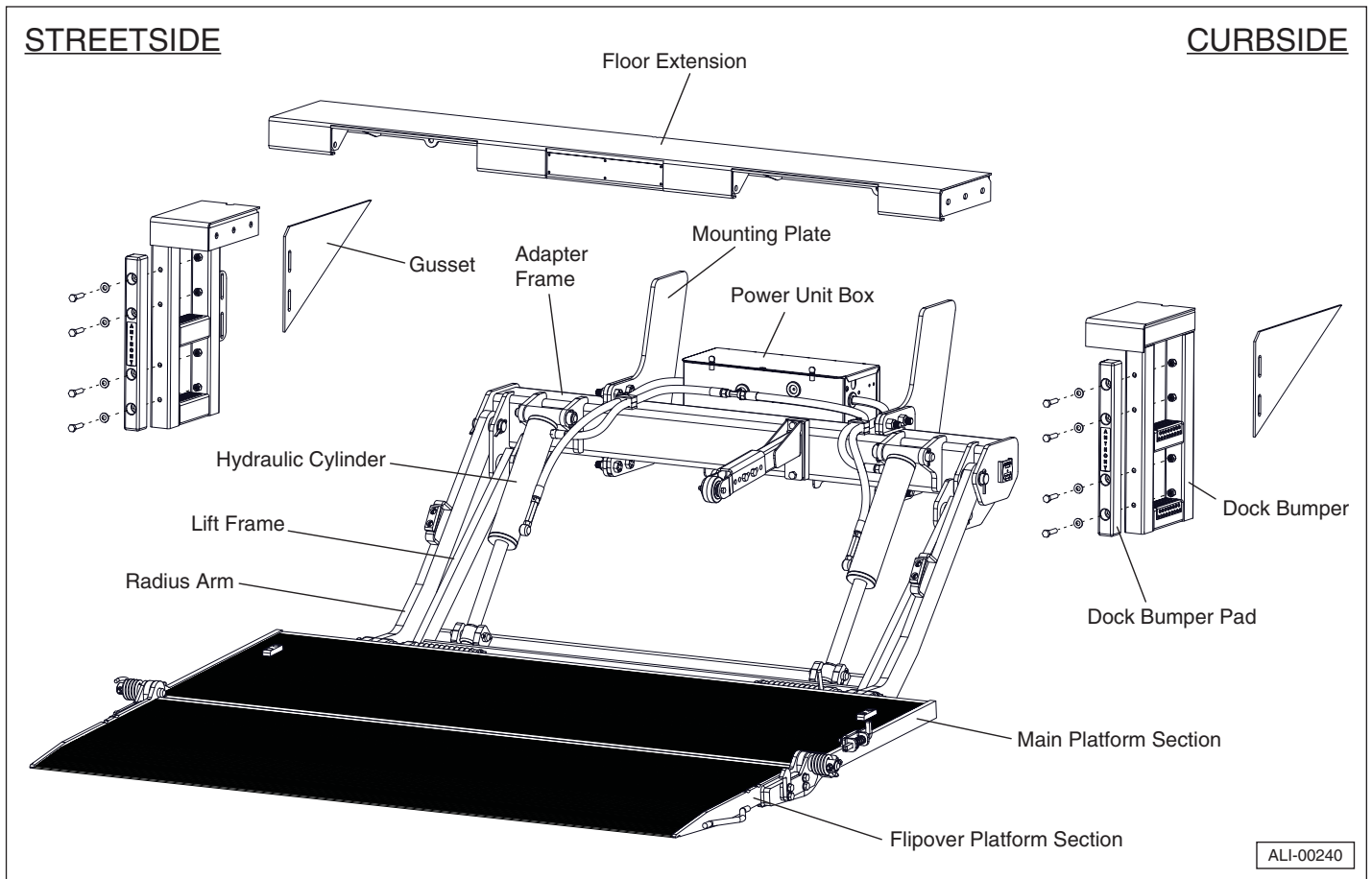
-  No smoking
-  No open flame
-  No alcohol
-  No drugs

2.4.3 Hazard Avoidance

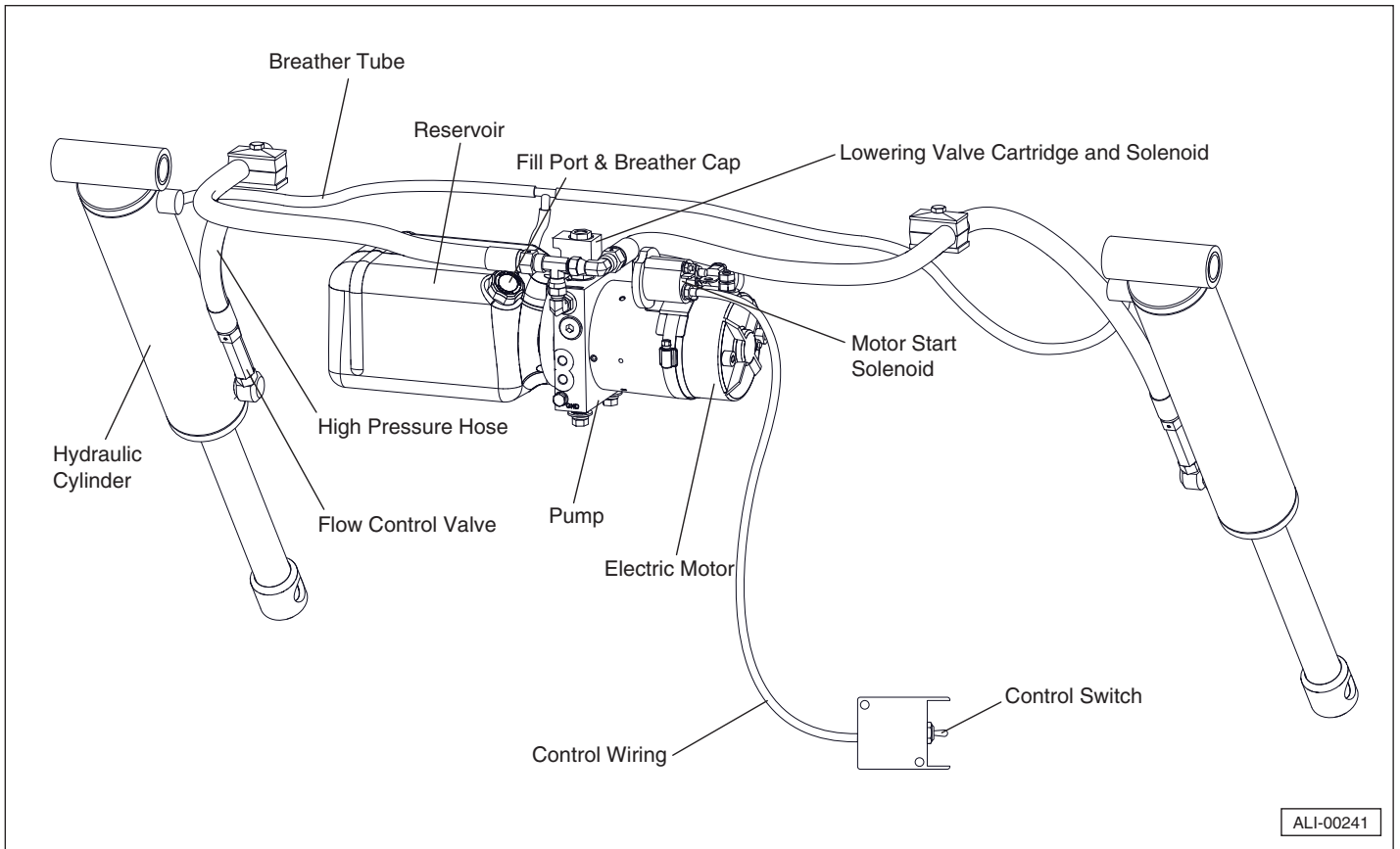
-  Slipping injury
-  Tripping injury
-  Safety alert symbol
-  Pinch point hazard
-  Explosion hazard
-  Dangerous fumes
-  Tire Pressure
-  Adequate ventilation
-  Crush hazard
-  Crush hazard (chock wheels)
-  Fall hazard
-  Crush hazard (foot)
-  Damaged parts hazard
-  Crush hazard
-  Electric shock hazard
-  Crush hazard

3. Nomenclature

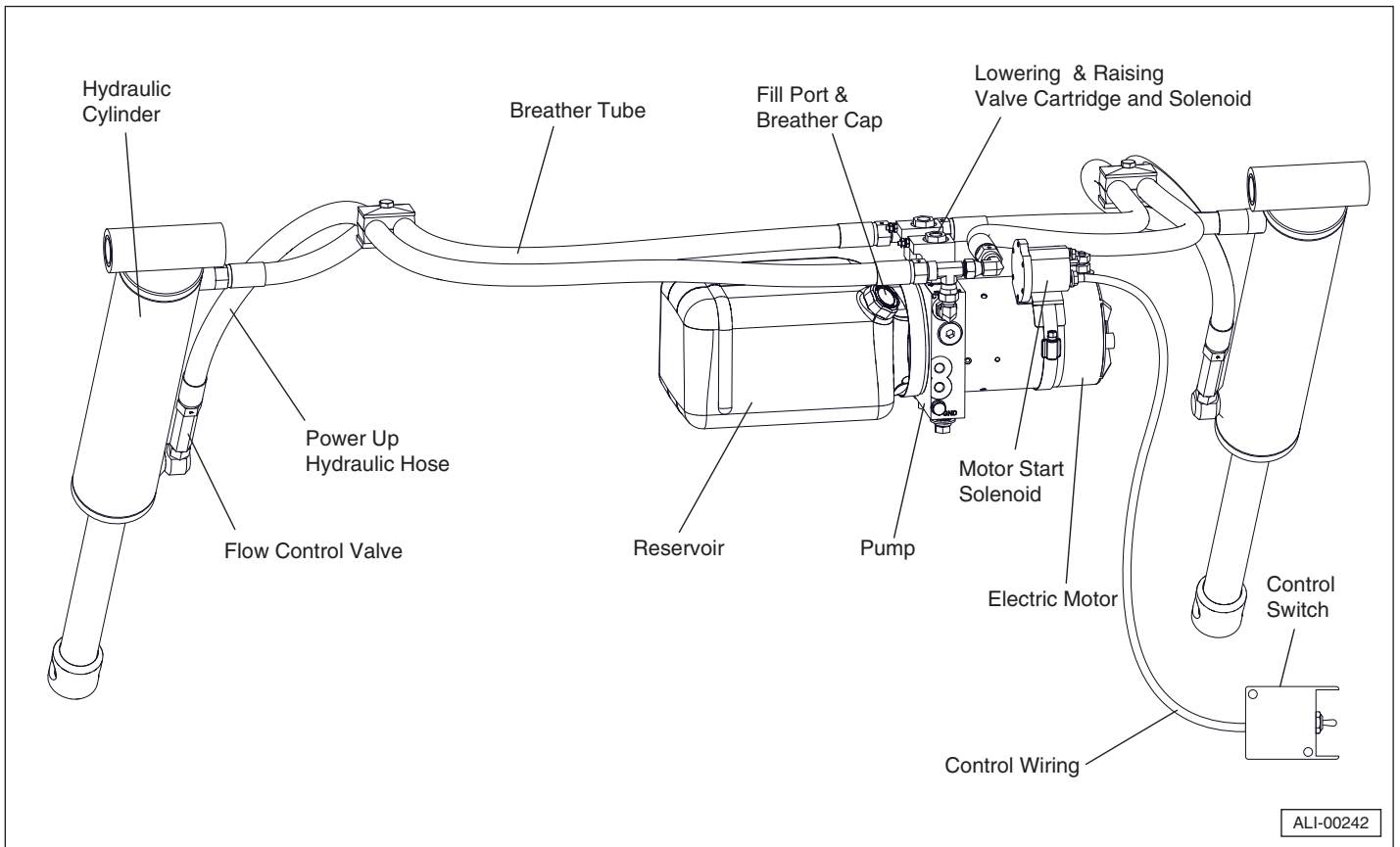
3.1 Platform nomenclature.



3.2 Gravity-Down Power Unit Nomenclature



3.3 Power-Down Power Unit Nomenclature



4. Installation Section

WARNING



To prevent serious bodily injury, keep sparks, lighted matches, and open flames away from the top of the battery, because battery gas can explode. Always follow all the manufacturers' safety recommendations when working around the truck's battery.



Take precautions to avoid sparks coming into contact with the truck's fuel tank, brake lines, or other flammable components. Sparks can cause an explosion of combustible materials, resulting in serious injury or death.



Never secure the power cable to anything which allows it to contact sharp edges, other wiring, fuel tank, fuel lines, brake lines, air lines, exhaust system, or any other object that could cause the power cable to wear or be damaged. A cut battery cable can cause sparks resulting in loss of vehicle control, serious injury, or even death.



Always weld in a well ventilated area and, if in an enclosed area, vent the fumes to the outside. Breathing welding smoke and paint fumes can cause serious injury.



Always follow all State and Federal health and safety laws and/or local regulations when using an arc welder, mig welder, or cutting torch. Also, follow all manufacturer's safety guidelines. If other people are present during the installation of the liftgate, make sure the welding area is shielded from their view.



To avoid eye injury during welding, always wear a welding helmet with the proper lens to protect your eyes.



To prevent personal injury, clean up any spilled fluids immediately. To avoid tripping, do not leave tools or components laying around in the work area.



Failure to prevent the truck from moving during the installation of the liftgate could result in a serious crushing injury.



Do not work under the liftgate while it is suspended from the lifting equipment. Failure of the lifting equipment could cause serious crushing injuries. Do not remove the lifting equipment until the liftgate is completely welded onto the truck frame.

SAFETY INSTRUCTIONS



To prevent injury, the liftgate and its related components should only be installed by a qualified installer. They should have knowledge and skill in using welding equipment and a cutting torch.



To prevent possible injuries due to improper operation, make sure all decals are attached to the liftgate and/or truck and are legible at all times.

4.1 Tools Required

The following is a list of suggested tools that should be used to install the liftgate.

- Overhead Crane or Forklift
- Mig or Stick Welder
- Heavy-Duty C-Clamps
- Tape Measure
- Level (small, magnetic)
- Cutting Torch (in some applications)
- Wrenches (bolt-on models only)

4.2 Bed Height Requirements

NOTICE

Make sure the model being installed is compatible with the bed height of the truck.

Mounting Requirements		
Model	Lifting Capacity	Bed Height*
DCT-2500	2,500 lb.	With 50" Platform: 42-57"
DCT-2500-WR	2,500 lb.	
DCT-3300	3,300 lb.	With 60" Platform: 46-57"
DCT-3300-WR	3,300 lb.	

* The first dimension is the minimum height when the truck is fully loaded. The second dimension is the maximum height when the truck is unloaded (empty).

4.3 Unpackaging

Make sure the complete package is received. On steel platform liftgates, all the necessary parts are packaged on one pallet.



Aluminum platform liftgates have the loose parts shipped in a separate box.



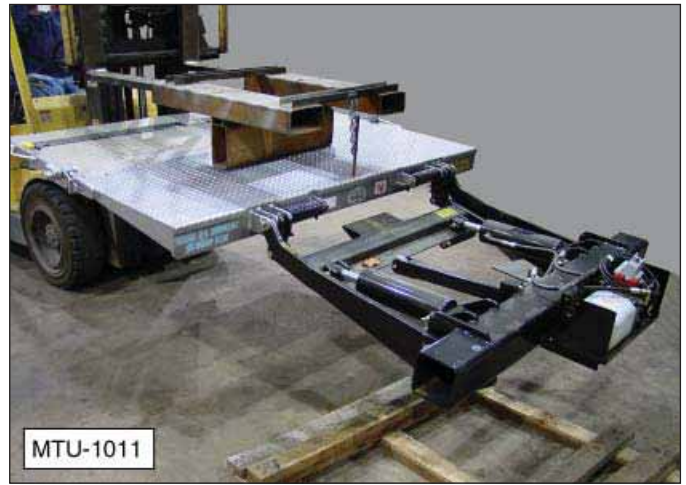
4.4 Lifting Device

When installing several liftgates a year, the following lifting device can save time and make the installation process more efficient.



Installer-built Lifting Device.

This lifting device must be made specifically for the type and design of the particular forklift used in the installation. Remember, the materials used to construct the lifting device must be capable of lifting and supporting the liftgate being installed. The lifting device must also contain a retaining method to hold it onto the forklift.



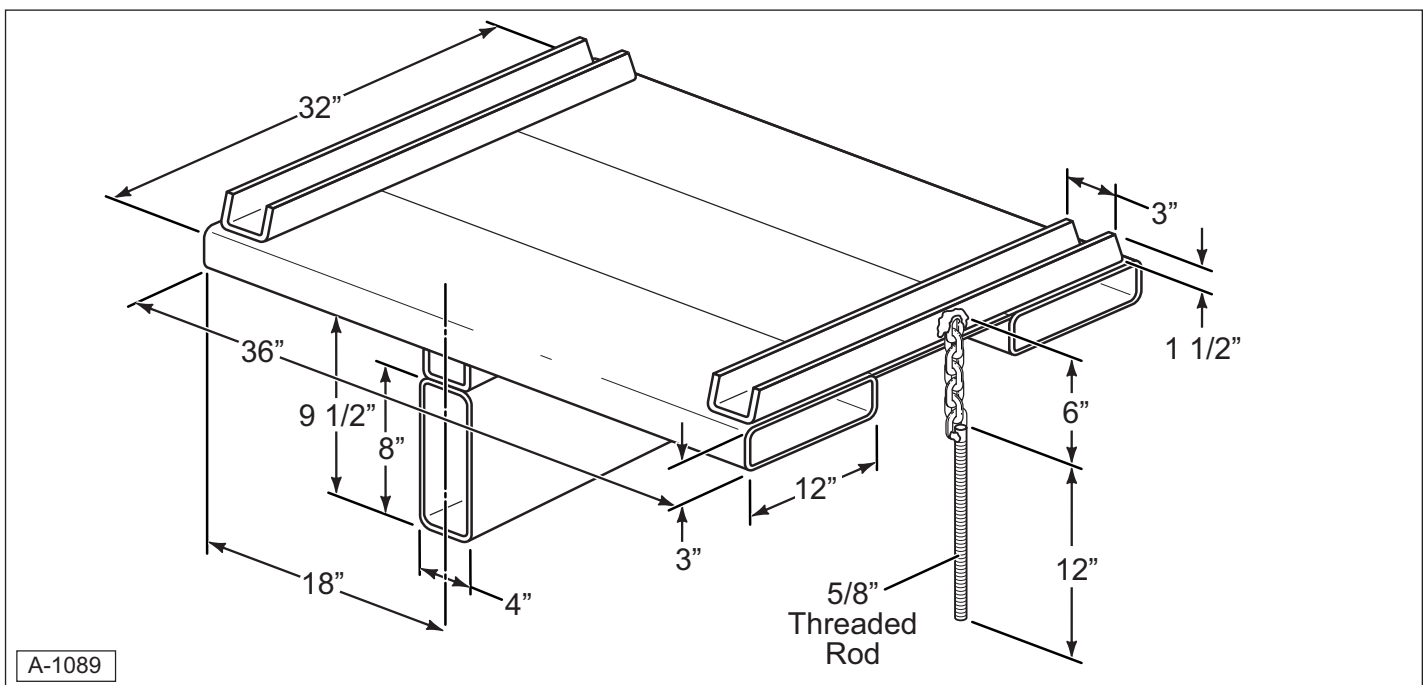
- Make the lifting device from tubular steel at least 1/4 inch thick or thicker.
- Make the lifting device wide enough to support the liftgate and to accommodate the width of the forks on the forklift.
- Make the lifting bolt from 5/8 inch threaded rod. Use a washer and nut to fasten the lifting device to the liftgate.
- The lifting bolt should be long enough to go through the lifting hole in the liftgate and allow the lifting device to remain level.

⚠ WARNING



CRUSH HAZARD

The construction of the lifting device must satisfy the user to be safe and properly constructed. Failure to use the proper materials or material thickness can result in serious injury or death.



4.5 Prior to Installation

Note: Check the OEM vehicle manual for any special requirements prior to welding on the truck. If required, disconnect the battery cable before welding on the truck frame.

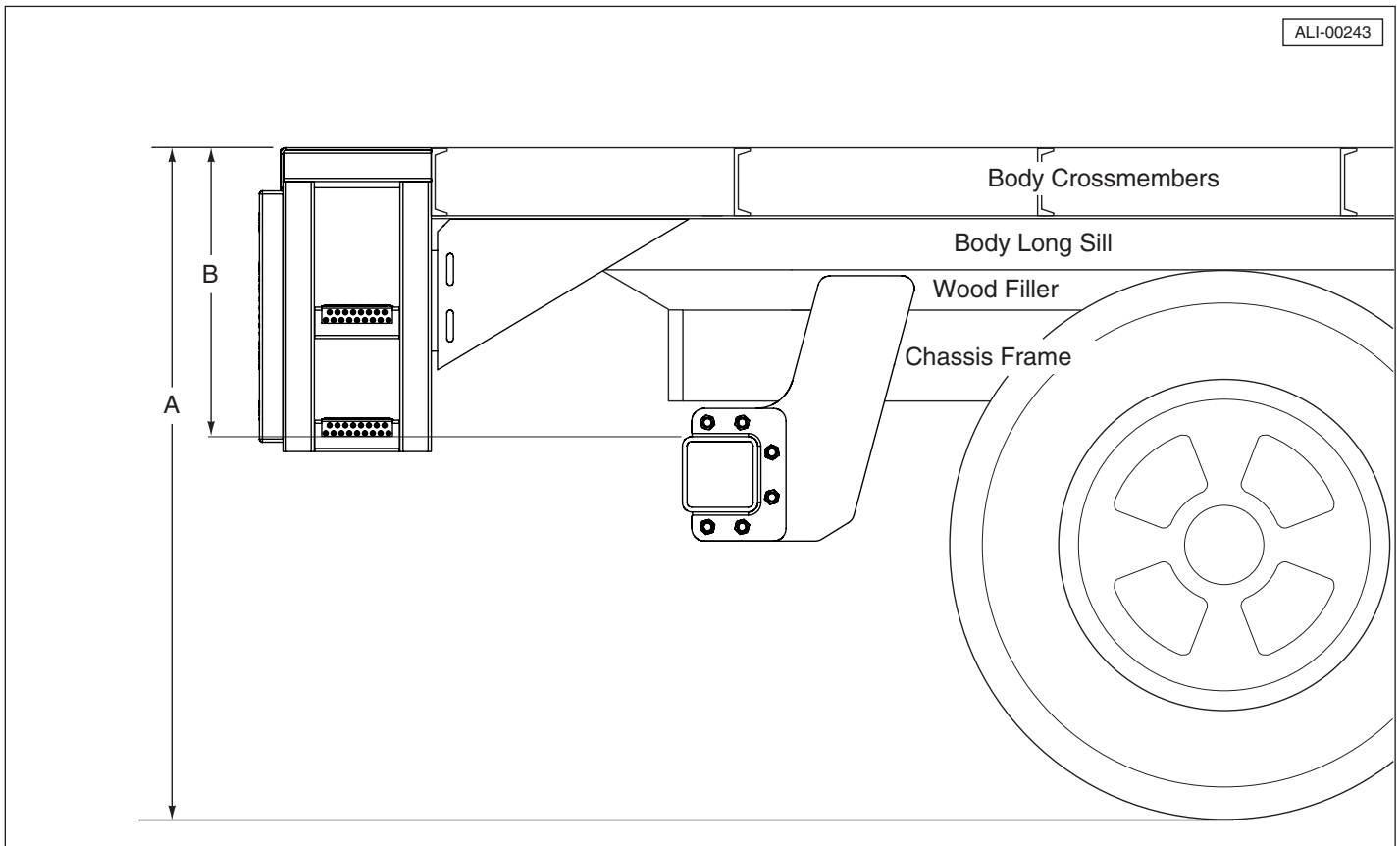
⚠ WARNING



Rollover Hazard

Failure to prevent the truck from moving during the installation of the liftgate could result in serious personal injury or death.

1. Place the truck on a flat, level surface. Block the wheels to prevent possible truck movement during liftgate installation.
2. Use the Mounting Requirements illustrations and charts to make sure there is enough clearance to properly install the liftgate.
3. The dimensions in the charts are to only be used as a guide for what can be expected for clearances needed. They DO NOT have to be exact, unless you are near the extreme high or low end of the bed height mounting range. If not, they can vary and should not affect the functionality of the liftgate.
4. Remove the banding securing the liftgate and loose parts to the pallet. Unfold the liftgate, as shown.



Refer to the Mounting Requirements chart for dimensions.

Mounting Requirements 60" Aluminum Platform	
A Bed Height Floor Extension	B Bed to Top of Tube Assembly
46"	18"
47"	18"
48"	19"
49"	19"
50"	18"
51"	18"
52"	18"
53"	19"
54"	20"
55"	21"
56"	22"
57"	23"

Mounting Requirements 60" Steel Platform	
A Bed Height Floor Extension	B Bed to Top of Tube Assembly
46"	18"
47"	18"
48"	19"
49"	19"
50"	18"
51"	18"
52"	18"
53"	18"
54"	19"
55"	20"
56"	21"
57"	22"

Mounting Requirements 50" Aluminum Platform	
A Bed Height Floor Extension	B Bed to Top of Tube Assembly
42"	17"
43"	17"
44"	18"
45"	18"
46"	18"
47"	18"
48"	18"
49"	18"
50"	19"
51"	19"
52"	19"
53"	19"
54"	20"
55"	21"
56"	22"
57"	23"

Mounting Requirements 50" Steel Platform	
A Bed Height Floor Extension	B Bed to Top of Tube Assembly
42"	17"
43"	17"
44"	17"
45"	17"
46"	17"
47"	17"
48"	17"
49"	17"
50"	18"
51"	18"
52"	18
53"	19"
54"	20"
55"	21"
56"	22"
57"	23"

4.6 Installation Procedure

SAFETY INSTRUCTIONS



Even though the Anthony liftgate is easy to install, the installation should be done with at least two people.

1. Remove the cover from the power unit box. Remove all loose parts for the assembly process and the instructions from inside the box. Replace the plug in the power unit reservoir with the supplied breather cap.



Note: The power unit box should contain the power cable and switch, plastic tie wraps for the battery cable, one 200 Amp fuse, and one package containing decals, shims, and manuals.



2. Measure to determine the center of the truck's rear sill. Mark this point.



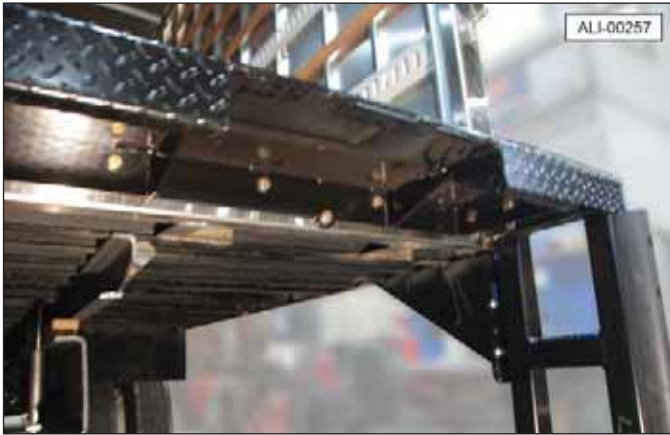
3. Center the floor extension on the truck body.



4. If bolting the floor extension to the truck body, continue with the next step. If welding the floor extension to the truck body, skip to Step 9.
5. If necessary, drill mating holes into the truck frame to align with the holes in the floor extension.



6. Install the flanged bolts through the extension and truck frame with the bolt heads facing the rear of the truck. Install the flagged nuts.



Note: In some applications, two fender washers must be installed on each of the bottom bolts to keep the extension level and parallel with the bed of the truck.



7. The floor extension may have a natural bow in it and this must be straightened as it is installed. Tighten the bolts from the center out, keeping the extension flush with the bed of the truck.



8. Installing the weld-on floor extension.
 - a. Center the floor extension on the truck body. With the extension level with the floor of the truck, begin tack welding at the center. The floor extension may have a natural bow in it and this must be straightened as it is installed.

⚠ CAUTION

Crush Hazard
 The tack welds must be strong enough to hold the weight of the liftgate. Insufficient welds may not hold the liftgate in place, resulting in possible bodily harm.

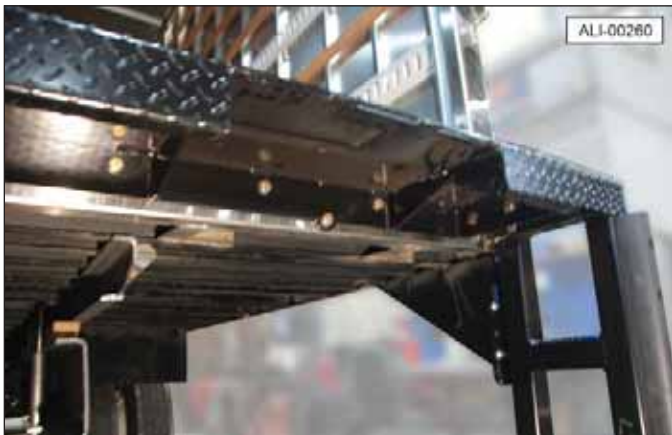
- b. Continue tack welding from the center out, making sure the extension remains level (flush) with the floor. The tack welds must hold the weight of the floor extension and dock bumpers, approximately 200 pounds.



- c. Make sure the floor extension is level and parallel to the truck's rear sill.

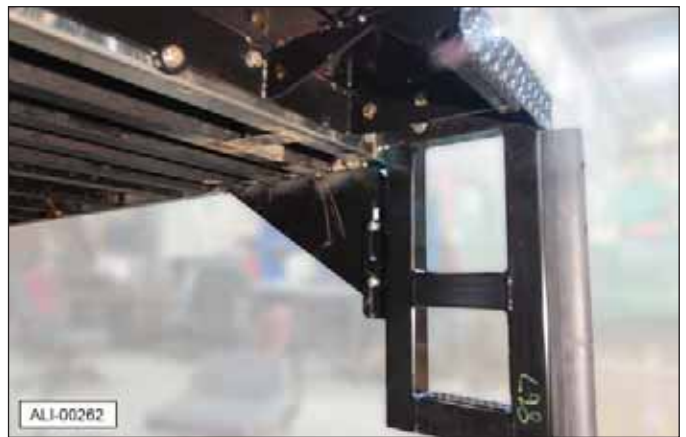
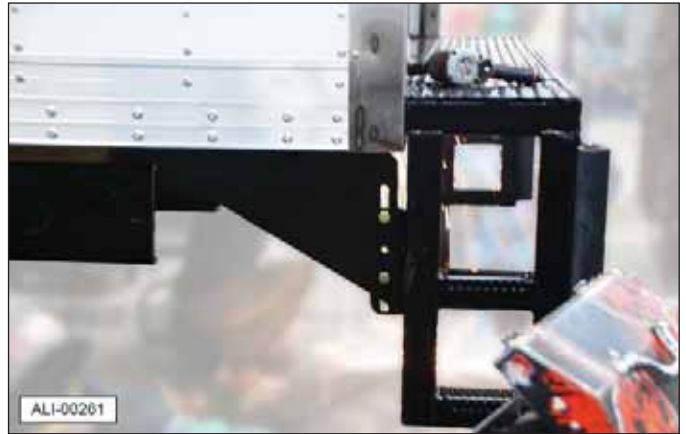


- d. Tack weld the support brackets under the floor extension.



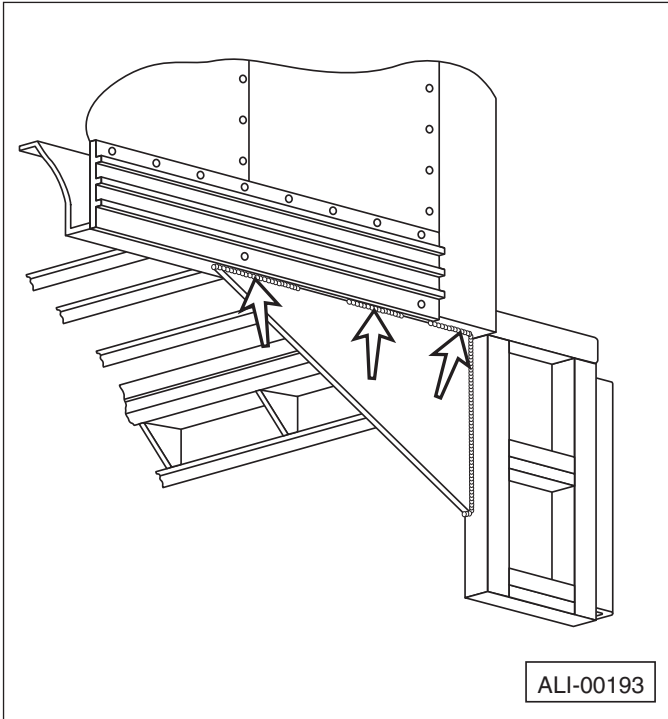
- e. Finish welding the floor extension to the truck body. Use two inch long welds approximately four inches apart.
- f. Weld the support gussets under the floor extension on both sides of the gusset.

- 9. Weld or bolt the streetside and curbside dock bumpers onto the floor extension.
 - a. If necessary, route the control cable through the curbside dock bumper.
 - b. Hold the dock bumper corners in place and tack weld into position.
 - c. Weld the dock bumper corners continuously to the floor extension and the truck body.

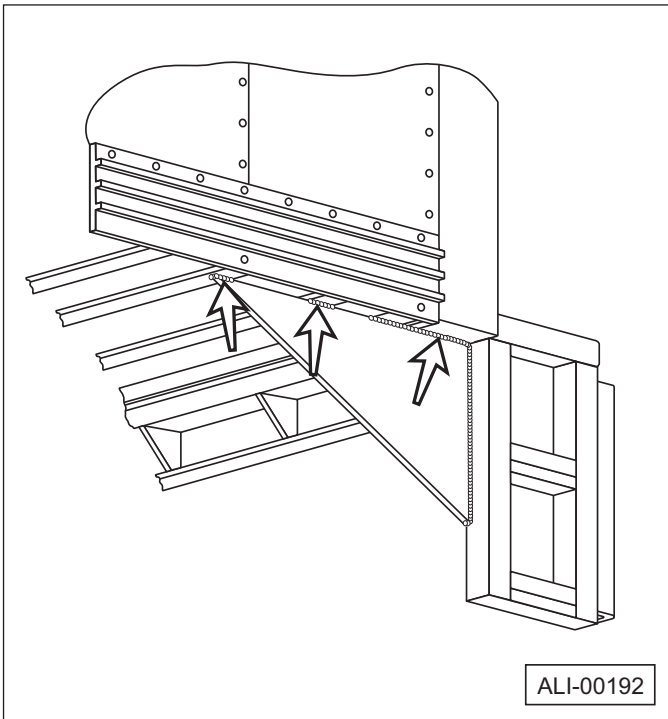


10. Install the side gussets.

- a. The recommended method of attaching the side gusset is to weld it to the steel side member of the truck body.



- b. The alternate method of attaching the side gusset is to weld it to the steel cross-members of the truck body. The gusset should be welded on both sides of at least three cross members. Add material if necessary in order to span three cross members.



- 11. Measure the outside width of the truck chassis frame rails. This dimension must be the same, or up to 1/4" less than the inside dimension of the mounting plates. It must not be larger.
- 12. The mounting plates are installed on the liftgate with an inside spacing of 34-1/4". This will work for most trucks, however, four 1/4" spacers are included to adjust the width if necessary.



- 13. To adjust the width, remove the six bolts and nuts from each mounting plate. Add or remove spacers to achieve the desired width, and replace the bolts and nuts. Be sure to make the same adjustment on both sides to keep the liftgate centered.



⚠️ WARNING



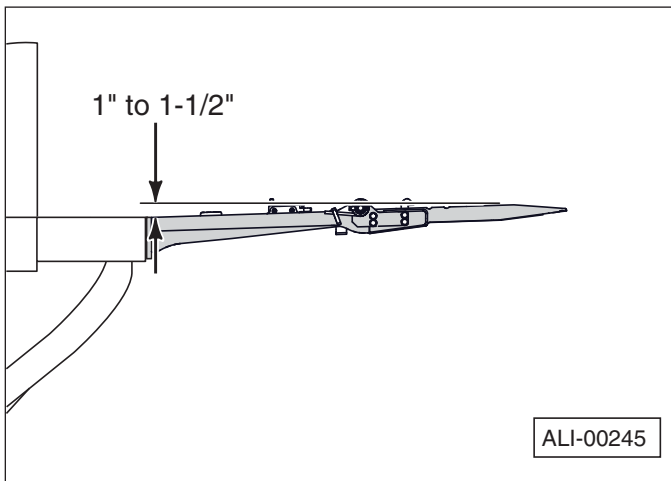
Crush Hazard

Do not work under the liftgate while it is suspended from the lifting device. Failure of the lifting device could cause serious crushing injuries. Do not remove the lifting device(s) until the liftgate is securely tack welded to the truck frame.

14. Use a forklift or overhead crane to position the liftgate. If the liftgate has an aluminum platform, use wood or other protective material to prevent marring the surface. If the liftgate has a steel platform, the lifting device described in "4.4 Lifting Device" on page 15 may be used. However, any lifting device capable of safely handling the liftgate can be used.

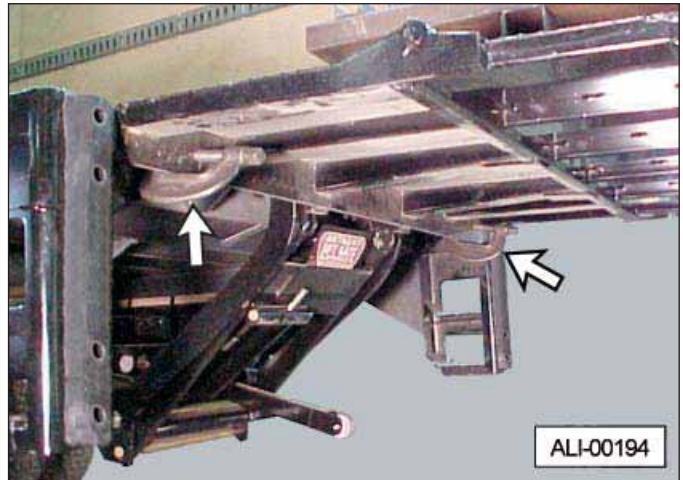


15. Position the edge of the liftgate flush with the floor extension and centered side-to-side. The rear edge of the liftgate should be elevated approximately 1 to 1-1/2 inches higher than the edge against the floor extension, as shown.



16. Clamp the liftgate onto the floor extension.

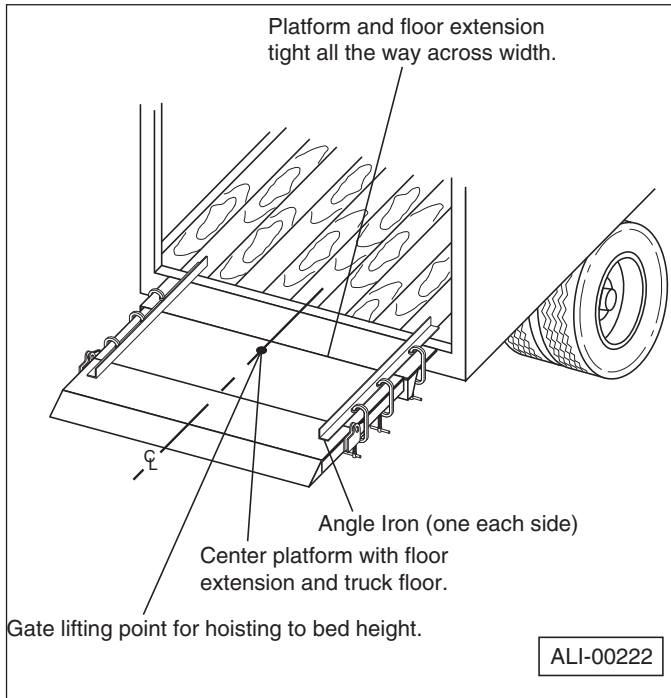
- a. If the liftgate has a steel platform, use two large C-clamps, as shown below, to hold the liftgate in place.



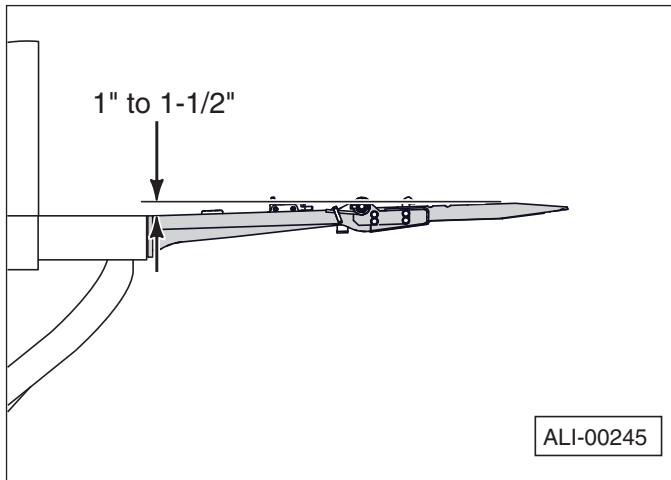
- b. If the liftgate has an aluminum platform, use two tee brackets and wood or other protective material to prevent marring the surface. Clamp the tee brackets to the floor extension and the platform, as shown below, to hold the liftgate in place.



- c. An alternate method of holding the liftgate in place is using two pieces of heavy-duty angle iron, 3 to 4 feet long. The size of the angle iron should be 3 x 3 x 1/4 inch minimum.



- d. When correctly installed, the position of the outer edge of the liftgate should be approximately 1 to 1-1/2 inches higher than the edge against the floor extension, as shown.



17. Route the supplied power cable (with attached fuse assembly) from the battery to the liftgate power supply using only one of these four methods.

• **Direct Battery Connection**

This method is not recommended because it allows the unauthorized use of the liftgate when the truck is unattended. Refer to “4.7.1 Direct Battery Connection (Not Recommended)” on page 28.

• **Cut-Off Solenoid Connection**

To prevent unauthorized use, use “4.7.2 Cut-Off Solenoid Connection” on page 28.

• **Cut-Off Switch Connection**

To prevent unauthorized use, use “4.7.3 Cut-Off Switch Connection” on page 29.

• **Liftgate-ready chassis with built-in solenoid connection**

If the truck is equipped with factory installed wiring for a liftgate, refer to “4.7.4 Liftgate-Ready Chassis with Built-in Solenoid Connection” on page 29.



WARNING



Loss of Vehicle Control

Never secure the power cable to anything which allows it to contact sharp edges, other wiring, the fuel tank, fuel lines, brake lines, air lines, exhaust system, or any other object that could cause the power cable to wear or be damaged. A damaged battery cable can result in loss of vehicle control, causing serious injury or death.

The liftgate must be properly grounded or damage to the truck may occur. Improper grounding can cause the electrical current to travel through brake lines, steel braided power steering hoses, or other chassis wiring causing failure of these components! Failure of these components could result in loss of vehicle control.



Unauthorized Use

Anthony Liftgates strongly recommends the installation of a power cut-off solenoid (“4.7.2 Cut-Off Solenoid Connection” on page 28) or cab cut-off switch (“4.7.3 Cut-Off Switch Connection” on page 29). Allowing power to the liftgate when the truck is unattended can result in serious injury or death.

No matter which battery connection method is used, a ground wire the same gauge or larger than the liftgate power cable must be connected from the negative post of the battery or batteries to the truck’s frame. If the truck is properly grounded, no further action is required. If the truck is not properly grounded, add a ground wire.

18. Place a floor jack under the wheel arm, as shown. Raise the wheel arm until the adapter frame is almost perpendicular to the truck frame.



NOTICE

Do not apply excessive force to the wheel arm. The jack can apply enough force to bend the arm.

Note: To ensure the liftgate platform will remain level with the floor extension after normal wear, tilt the mounting plates and adapter frame tube slightly towards the cab of the truck until a minimum of 1/4” of the cylinder rod chrome is extended.

When positioning the adapter frame on a power-down model, it can be positioned by simply operating the liftgate with the switch (down). For positioning with a gravity down model, hold the switch down to bleed off pressure from the cylinder so it can be raised into position with the jack.

19. Place 3/8” fillet welds, 1 inch long, at the locations shown.

Note: Do not fully weld the mounting plates to the chassis frame at this time.



20. Remove the C-clamps, angle iron (if this method was used), lifting equipment, and jack.
21. Standing on the curbside of the truck, away from the platform, actuate the DOWN switch to lower the platform to the ground and the UP button to raise the platform back to truck bed height. If the platform lowers to the ground and raises flush to the floor extension, continue to the next step. If the platform does not make a complete cycle, adjust the mounting plates, as necessary.

SAFETY INSTRUCTIONS



For safety purposes, finish welding the liftgate while the platform is on the ground, not in a raised position.

NOTICE

Cover the cylinder rod to prevent weld spatter from damaging it.

Note: Make sure the liftgate cycles completely before fully welding the mounting plates to the chassis frame.

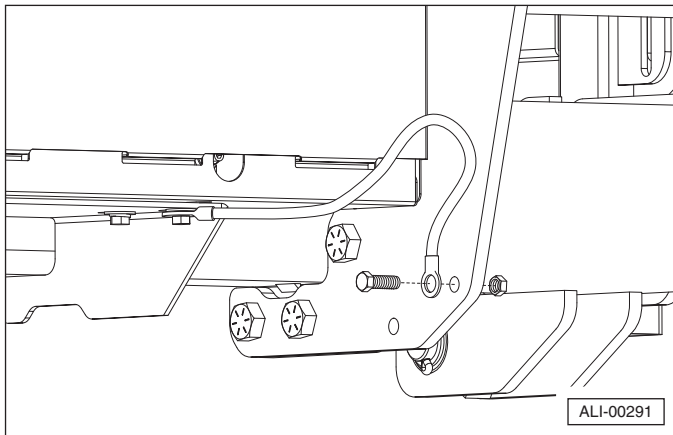
22. With the liftgate on the ground, completely weld the mounting plates onto the chassis frame.



CAUTION

Take precautions to avoid welding sparks or the flame from a cutting torch coming into contact with hydraulic hoses, wiring, the truck bed's wooden floor, or other flammable components.

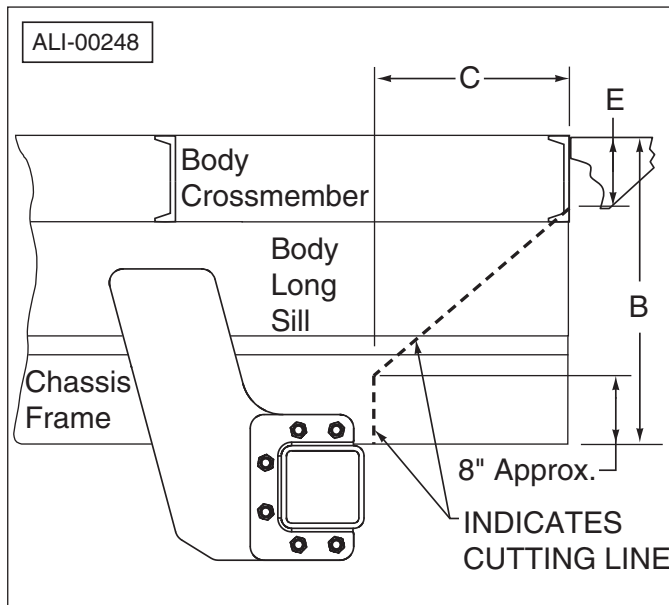
23. Using a 3/8" hex bolt, attach the ground cable to the driver's side mounting plate. Attach the other end to one of the power unit box and pump housing bolts.



NOTICE

Do not omit the ground strap. A proper ground connection is crucial to the life of the liftgate's power unit. A poor ground connection can result in low voltage, and any attempt to operate below the minimum required voltage could cause system failure.

24. If necessary for liftgate clearance, cut the chassis frame and body long sill, as shown in the following illustration. After making the cut, make sure the liftgate operates properly without interfering with the chassis frame or body long sill.



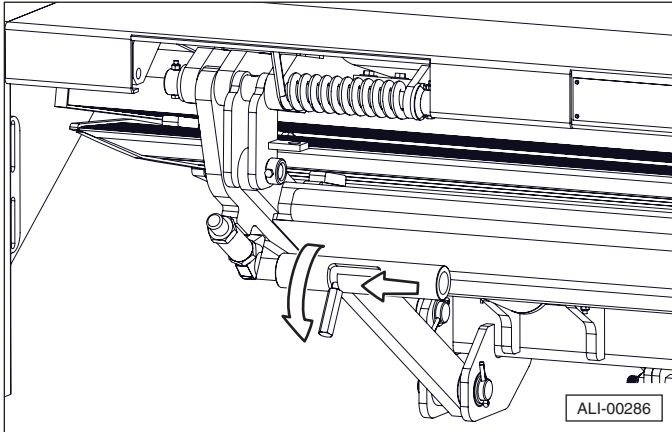
Chassis Frame Length			
Bed Height Floor Extension	B	C	E
42" - 43"	17"	14-3/4"	4-1/4"
44" - 50"	18"	14-1/4"	5-1/8"
51" - 53"	19"	13-3/4"	5-3/4"
54" - 55"	21"	13-1/2"	6"
56" - 57"	23"	13-1/8"	6-1/4"

Note: The dimensions in the chart are to only be used as a guide for what can be expected for clearances needed. They DO NOT have to be exact, unless you are near the extreme high or low-end of the bed height mounting range. If not, they can vary and should not affect the functionality of the liftgate.

NOTICE

The latch pin is only for in-transit locking of the liftgate. DO NOT slide the latch pin into the latched position when the platform is unfolded and raised. If this occurs, serious damage to the liftgate can occur when the liftgate is lowered.

25. Raise the liftgate to the stored position and operate the latch to make sure the latch pin moves freely and engages properly.



26. Mount the control switch to truck's rear curbside post so it can be reached while standing at the curbside of the truck away from the liftgate platform.



SAFETY INSTRUCTIONS



Many liftgate models provide drivers' steps as a convenience feature. When steps are present, customer-supplied grab handles and other ingress/egress items should be installed.

WARNING



Crush Hazard

Never stand behind the liftgate when it is opened. Always stand to the side and away from the edge of the platform.

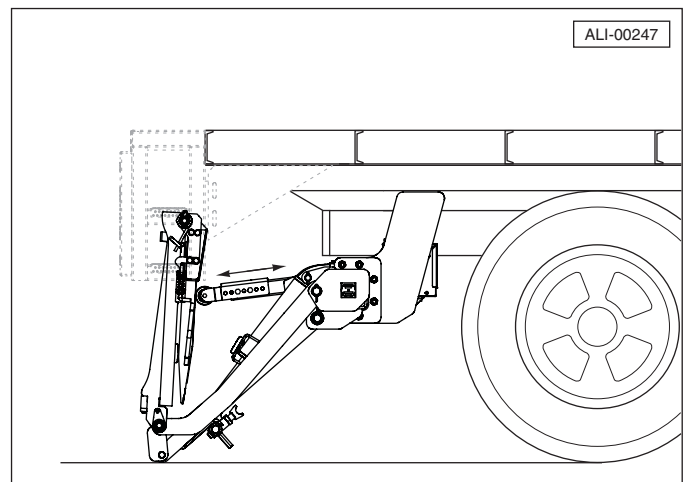
When adjusting the position of the wheel arm, consider that the vehicle may be parked on a sloped surface. In this event, the platform may completely unfold all the way to the ground, resulting in serious injury. When adjusting the wheel arm, choose a position that will not allow this to occur.

27. Test and adjust the wheel arm.

The wheel arm helps unfold the platform as it is lowered from the stored position. The wheel arm can be adjusted so the platform unfolds with either greater or lesser effort.

The position of the wheel on the arm should be adjusted so that the platform, when lowered, is in the most upright and vertical position, without falling open. The platform will be easier to unfold in this position.

- a. Remove two bolts and nuts on the wheel arm channel.
- b. Lengthen or shorten the wheel and channel assembly on the tube, as needed.
- c. Align the two holes in the wheel and channel assembly with the holes in the tube nearest the position desired.
- d. Re-install the two bolts and nuts. Tighten the nuts to secure the wheel and channel assembly.



28. Install lights or other electrical components.
29. If required, install grab bars or hand rails. Also, install the license plate holder.

NOTICE

Some models of Anthony liftgates may be provided with step devices to assist in the ingress or egress into the rear of the truck or trailer. These devices are NOT to be considered all-inclusive of any requirements or guidelines regarding proper ingress or egress into trucks or trailers. These items are provided only as an added feature for installers to help simplify the meeting of possible ingress or egress requirements. As there are many variables in truck sizes and shapes, it is the installers responsibility to determine proper ingress and egress requirements, such as steps, hand grips, grab bars, etc. for each vehicle receiving an Anthony liftgate.

30. Make a final operation check:
 - a. Make sure the platform will travel through a complete cycle, up and down, smoothly and freely, with the platform completely open.
 - b. Make sure the platform will fold and tuck under the truck in a stored position, and latch securely. The liftgate must fold smoothly and freely.
 - c. Make sure hydraulic hose fittings are tight and the hydraulic hose does not rub against the liftgate or other parts while cycling up or down or being opened or closed. Adjust as necessary by loosening fittings and adjusting the position of the hose(s). Retighten fittings.
31. Attach all decals, as shown in section "6. Decals" on page 33.
32. Complete the items in section "4.10 Final Inspection Checklist" on page 31.

4.7 Battery Connection

There are three methods connect the battery. Only one of the following methods is required to complete the wiring installation.

- Direct Battery Connection (not recommended)
- Cut-Off Solenoid Connection
- Cut-Off Switch Connection

WARNING



Personal Injury Hazard

Never secure the power cable to anything which allows it to contact sharp edges, other wiring, the fuel tank, fuel lines, brake lines, air lines, exhaust system, or any other object that could cause the power cable to wear or be damaged. A cut battery cable can cause sparks resulting in loss of vehicle control, serious injury, or even death.

Anthony Liftgates strongly recommends the installation of a power cut-off solenoid or cab cut-off switch. Not cutting off power to the liftgate when unattended can result in serious injury or death to unauthorized users or others near the liftgate.

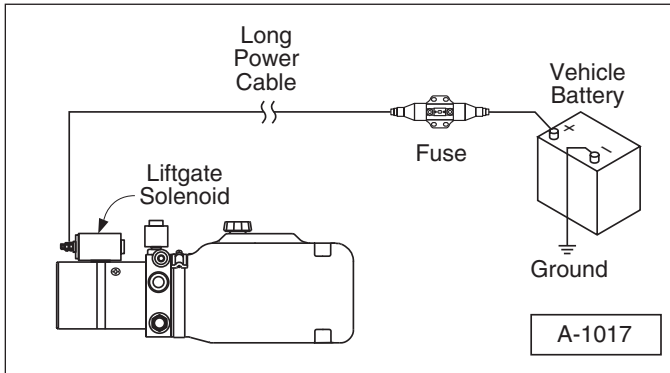
The liftgate must be properly grounded. A ground wire, the same gauge or larger as the liftgate power cable, must be connected from the negative post of the battery or batteries to the truck's frame. Some trucks may have a properly sized ground wire from the battery to the frame and would require no change. If, however, there is no ground wire or it is undersize, add the correctly sized ground wire.

If this warning is not followed, damage to the truck chassis may occur. Improper grounding can cause the electrical current to travel through brake lines, steel braided power steering hoses, or other chassis wiring causing failure to these components! Failure of these components could result in loss of vehicle control.

4.7.1 Direct Battery Connection (Not Recommended)

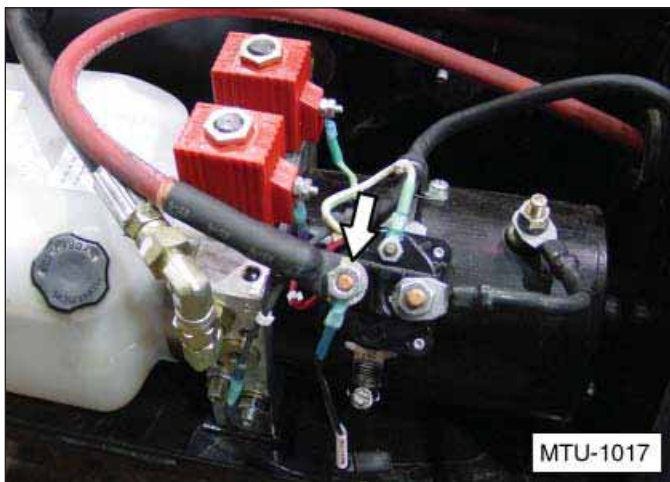
NOTICE

Using the standard wiring hookup is not recommended because it does not cut off power to the liftgate when the truck is left unattended. A cut-off switch or cut-off solenoid will disable the use of the liftgate when the truck is not in use.



Direct battery connection (not recommended).

- Position the fuse assembly near the battery so the short cable end will reach the positive terminal.
- Attach the fuse holder to the truck body long sill using either method shown in "4.9 Attaching the Power Cable to Truck Frame" on page 30.
- Run the long end of the power cable from the fuse to the motor solenoid. If the power cable is longer than required, cut it to the desired length and attach a cable lug according to instructions listed below.



Connect power cable to motor solenoid.

- Connect the power cable to the motor solenoid. Make sure the power cable is connected to the correct motor solenoid post (The one not connected to the motor housing with a metal strap or wire cable).

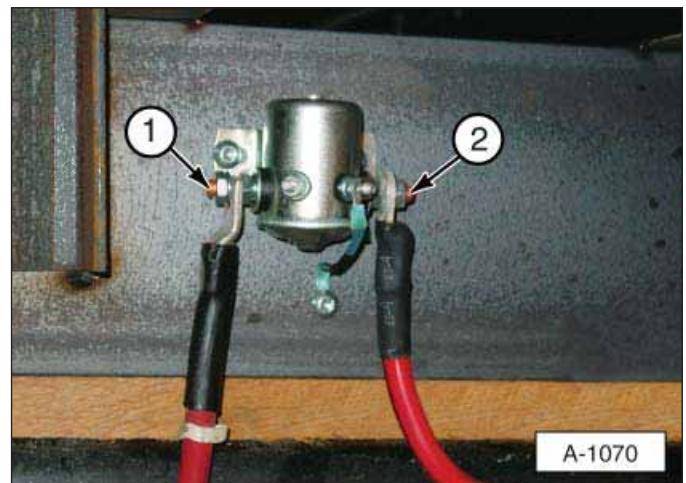
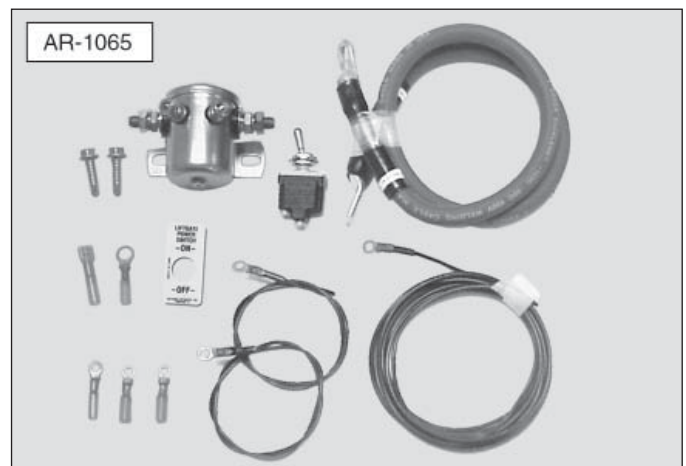
- Connect the short end of the power cable to the positive post of the battery.
- The power unit should now be operational.
- Coat all terminal ends, studs, and nuts with a Teflon lubricant, grease, or other electrical connection sealant to prevent corrosion.

Note: Do not apply undercoating to power cable or fuse holder! The power cable should be clean near the fuse holder to ensure easy removal of the rubber boot seals if fuse needs to be replaced. For fuse replacement, see "8.3.2 Replacing the Fuse" on page 40.

4.7.2 Cut-Off Solenoid Connection

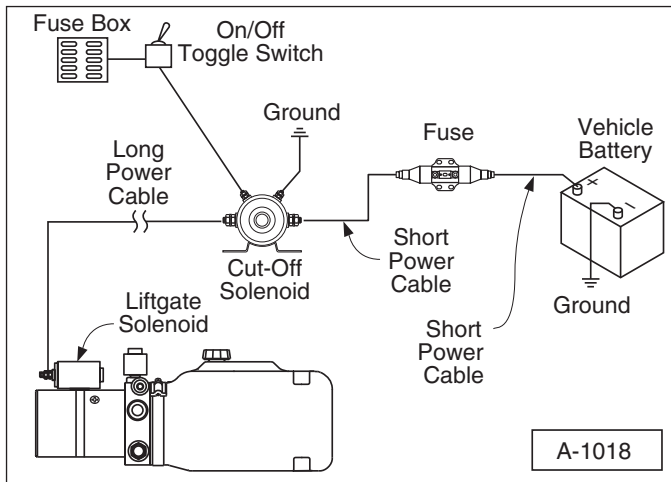
The installation of a cut-off solenoid is a recommended option, by Anthony Liftgates, for all 12 Volt electric liftgates. Installing a cut-off solenoid will help to prevent accidental or unauthorized use of the liftgate.

The optional A-133036 Cut-Off Solenoid Kit can be used in any truck, but is essential for tilt cab applications because it requires only a lightweight wire running to the cab—not a large cable as required by the cut-off switch.



Cut-off solenoid installed between battery and fuse assembly. (1) Short cable, part of solenoid kit. (2) Short end of power cable leading to fuse.

Follow the installation directions on the Installation Instruction sheet that comes with the kit.



Wiring diagram with cut-off solenoid.

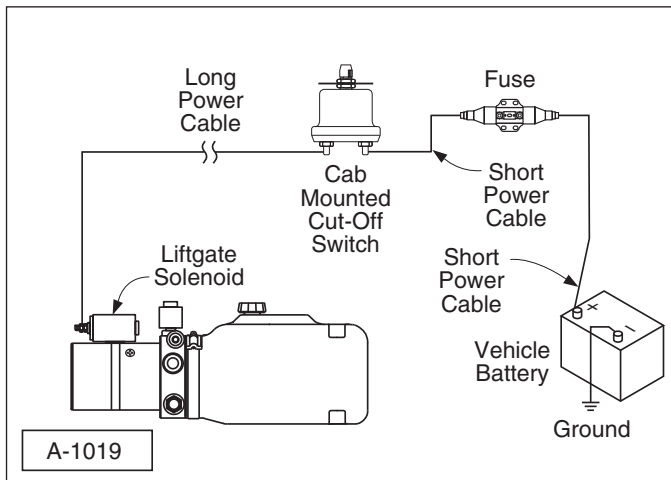
4.7.3 Cut-Off Switch Connection

The installation of a cut-off switch is also a recommended option, by Anthony Liftgates, for all 12 Volt electric liftgates. Installing a cut-off switch will help to prevent accidental or unauthorized use of the liftgate.

Follow the installation directions on the Installation Instruction sheet that comes with the kit.



Cut-off switch mounted in cab of truck.



Wiring diagram with cab cut-off switch.

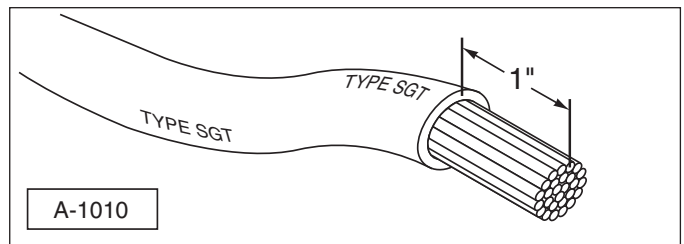
4.7.4 Liftgate-Ready Chassis with Built-in Solenoid Connection

If the truck is equipped with factory installed wiring for a liftgate, it is only necessary to connect the liftgate power cable to the factory installed cutoff solenoid.

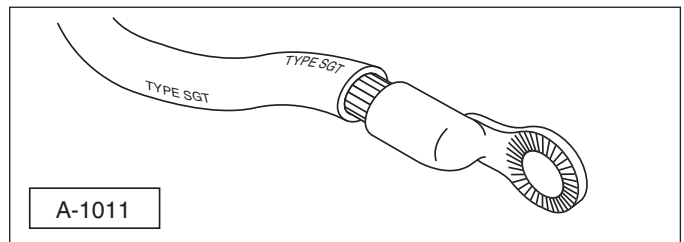
- Connect one end of the power cable to the factory installed cutoff solenoid.
- Connect the other end of the power cable to the motor solenoid. Make sure the power cable is connected to the correct motor solenoid post (The one not connected to the motor housing with a metal strap or wire cable). If the power cable is longer than required, cut it to the desired length and attach a cable lug according to instructions listed below.

4.8 Cable Lug Installation

- Strip insulation one inch back from the end of the cable to expose the copper wire.



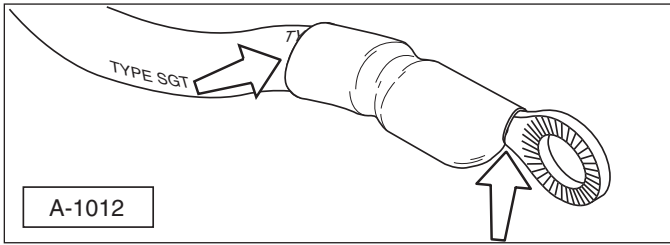
- Position the cable lug on the exposed wire, as shown. Crimp the cable lug using a cable crimping tool (hydraulic or manual).



NOTICE

Proper wire connections are crucial to the life of the liftgate's power unit. DO NOT crimp (smash) the cable lug with a hammer to secure it to the cable. Poor connections can result in low voltage, and any attempt to operate below the minimum required voltage could cause system failure.

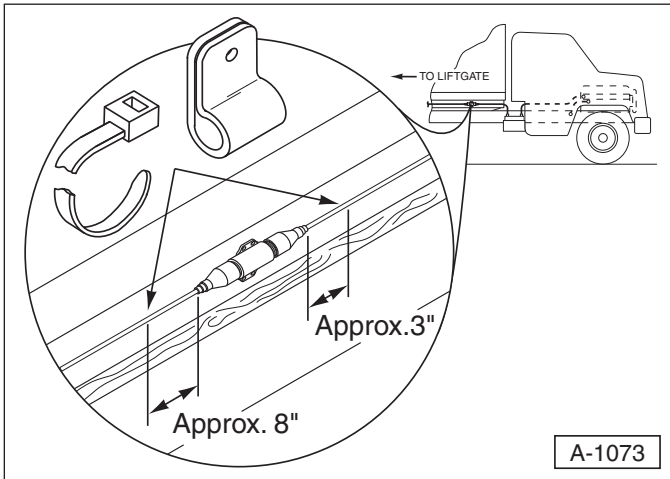
- Use the supplied heat shrink tube to insulate the new connection. Heat the shrink tubing using a heat gun or propane torch until it shrinks around the cable insulation and cable lug, leaving only the mounting hole exposed. Do not overheat the heat shrink tubing.



4.9 Attaching the Power Cable to Truck Frame

There are several options for attaching the power cable with the plastic fuse assembly. It can be fastened using plastic tie wraps or wire clips. The fuse assembly can also be bolted directly onto the body long sill, if desired.

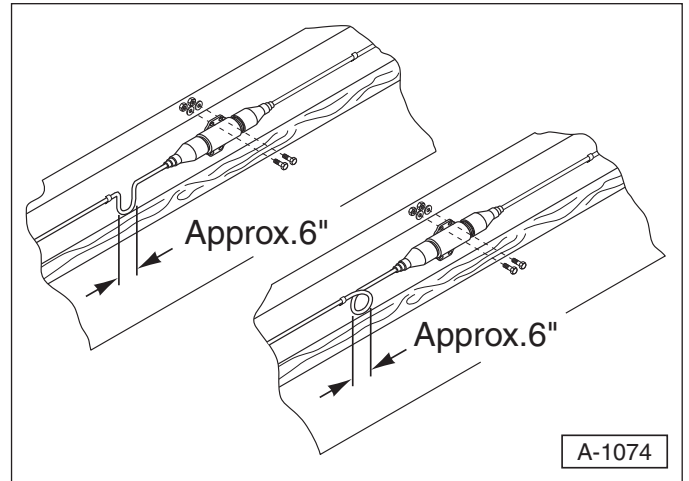
4.9.1 Clip or Tie Wrap Installation Method



Fasten the power cable to the truck body. Locate one fastener (battery side) within 3 inches of the end of the fuse assembly. Locate the other fastener (power unit side) within 8 inches of the fuse assembly.

Note: Use of this method does not require the fuse assembly to be attached to the long sill.

4.9.2 Bolt-On Method



- Attach the fuse holder to the truck body long sill using #10 or #12 self-tapping screws or bolts, washers, and self-locking nuts.
- Fasten the power cable, as needed, to properly hold it in place.

Note: Using this method requires an extra length of cable on one side of the fuse assembly to permit removal of the fuse.

4.10 Final Inspection Checklist

SAFETY INSTRUCTIONS

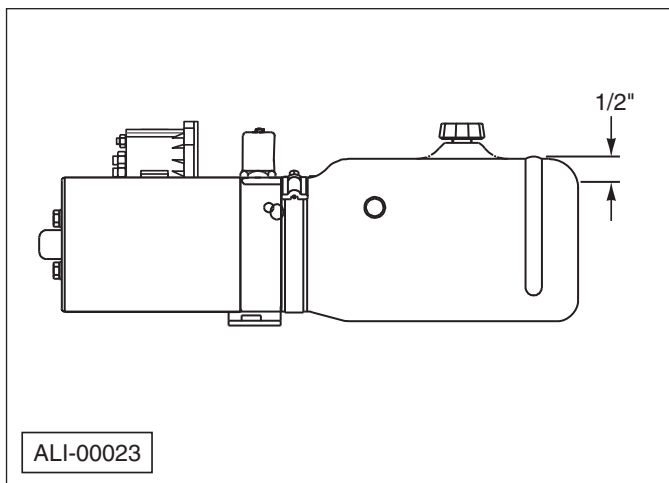


Do not use the liftgate if any of the items in the Final Inspection Checklist are not checked and verified. If you have any questions, contact your nearest Anthony distributor, or the Anthony Liftgates main office.

- Check all welds to make sure they are done properly.
- Make sure all pins are in place and held with proper retainers.
- Make sure the power unit reservoir is filled with Dexron VI, Dexron III or Hyken Glacial Blue.

Gravity-down models - With the platform on the ground, the oil level should be within 1/2 inch of the top of the reservoir.

Power-down models - With the platform fully raised, the oil level should be within 1/2 inch of the top of the reservoir.



NOTICE

Use only Dexron VI, Dexron III, or Hyken Glacial Blue hydraulic fluid in the power unit reservoir. For cold weather operation, we recommend Hyken Glacial Blue. If an emergency situation occurs, any anti-wear hydraulic fluid can be used, but the system should be flushed and the fluid changed as soon as reasonably possible. Hydraulic fluids should not be mixed due to possible compatibility problems.

The recommended fluids are compatible and may be mixed, however, the cold weather operating characteristics of Hyken Glacial Blue will be adversely affected.

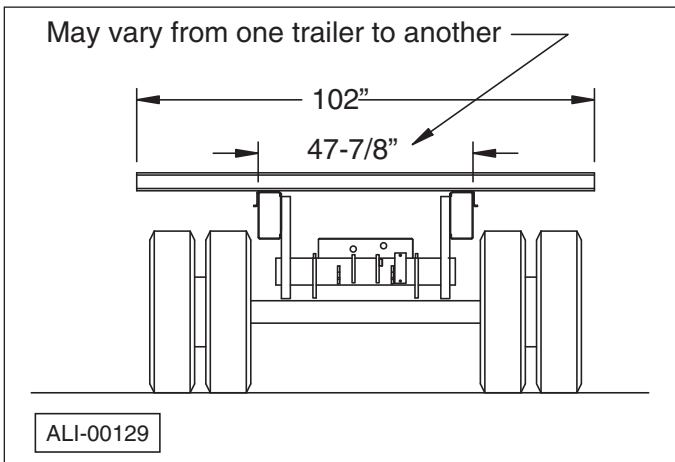
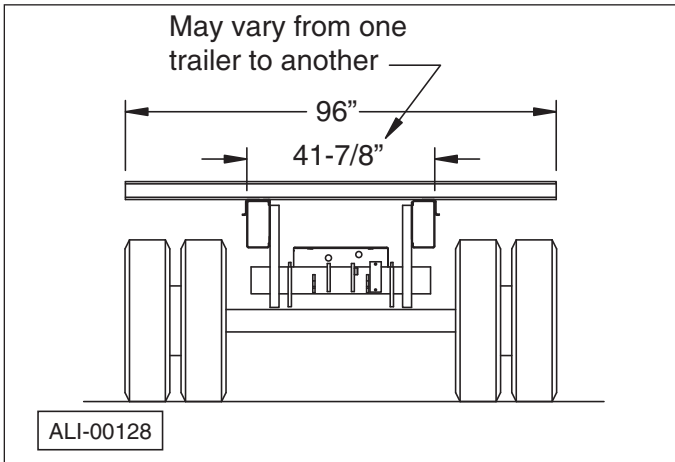
DO NOT thin hydraulic fluid with brake fluid, and DO NOT use brake fluid in place of hydraulic fluid.

- Install the cover on the power unit box. Make sure it is secured with a padlock or lock pin (customer supplied).
- Operate the liftgate through its entire operational cycle (Up, Down) several times. Make sure the liftgate operates evenly, freely, and smoothly throughout the entire operating range and that there is no unusual noise or vibration while operating the liftgate.
- Make sure the latch works correctly.
- Make sure all decals are in place and legible.
- Make sure a license plate bracket is properly installed, as required by law.
- Make sure lights are installed and operating properly, per FMVS 108.
- Make sure reflectors are re-installed, if any.
- Make sure grab handles and other ingress/egress items are properly installed as may be necessary.
- Make sure the optional cab cut-off switch or power cut-off solenoid is installed.
- Put Installation, Operation, and Maintenance manual and Parts manual in the vehicle.

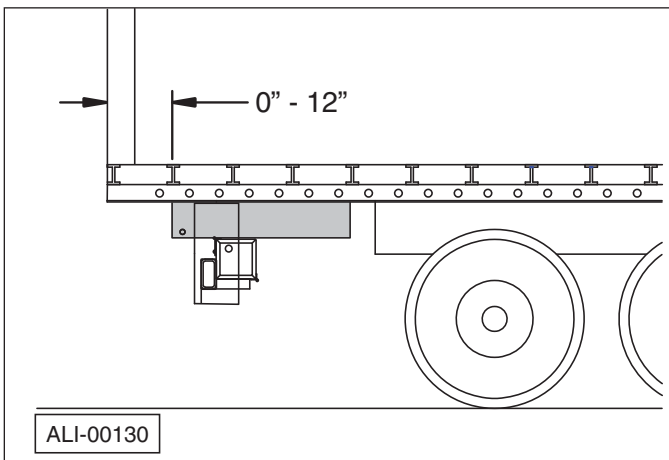
5. Trailer Sub Frame Installation

When mounting the liftgate to a trailer, it may be necessary to add a sub frame to provide attachment points. A DCT sub frame mounting kit is available from Anthony Liftgates for this purpose.

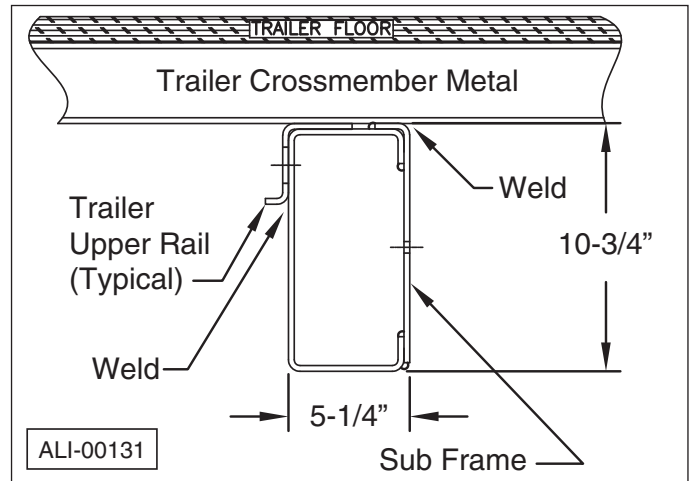
1. Locate the attachment points. Typical mounting widths for 96" and 102" wide trailers are shown below. In addition, the rear end of the sub frame must be 0" to 12" forward of the rear of the trailer body, and both ends of the sub frame must be on cross members.



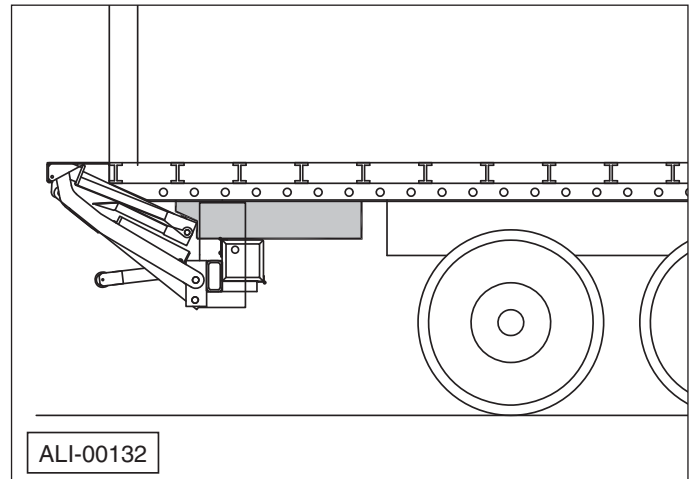
2. The end of the sub frame must be 0" to 12" forward of the rear of the trailer body, and must be on a cross member.



3. Weld the sub frame to the trailer cross members as shown. Both ends of the sub frame must be on cross members.



4. Mount the liftgate to the sub frame following the procedure in "4. Installation Section" on page 13.
5. If necessary, notch the sub frame as shown for proper folding clearance.



6. Decals

6.1 Decal Locations

SAFETY INSTRUCTIONS



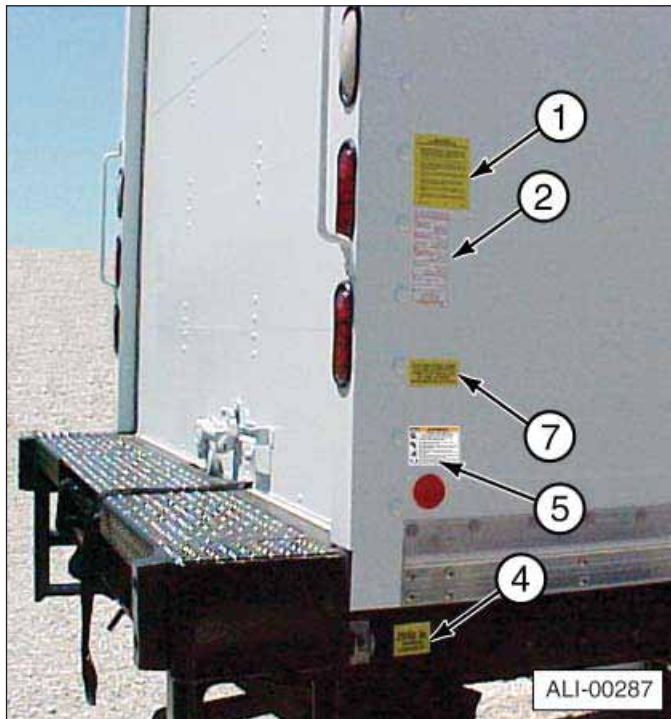
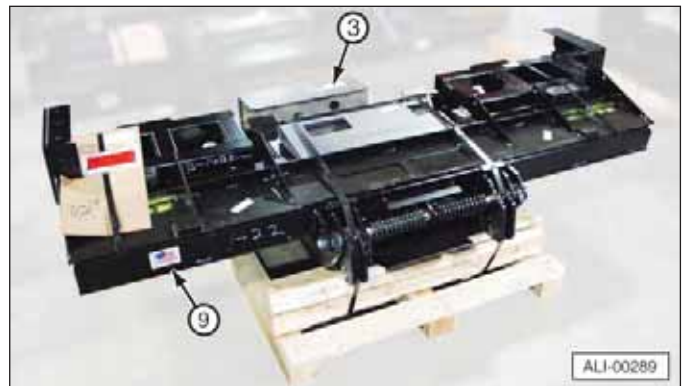
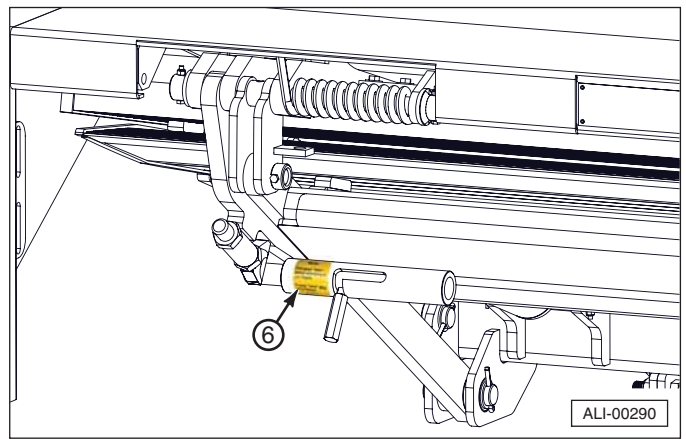
To prevent possible injuries due to improper operation, make sure all decals are attached to the liftgate and/or truck and are legible at all times.

Safety decals provide a vital role in helping to reduce injuries and/or death. To ensure the greatest level of safety, all decals must be in place and legible at all times. Remember, it is the users' responsibility to maintain these decals.

For a complete part number list of the decals used on the Tuckunder liftgates, refer to the Decals section in the Online Parts Manual for Dual Cylinder Tuckunder Liftgates.

For replacement decals contact:

Anthony Liftgates, Inc.
1037 West Howard Street
Pontiac, Illinois 61764
(815) 842-3383 or 800-482-0003
www.anthonyliftgates.com



Customer installed decals.

Factory installed decals.

Decal Kits		
Item	Part no.	Description
1	A-131054C	Urgent Warning Decal
2	A-131135	Operating Instructions Decal
3	A-131057C	Weld Warning Decal
4	A-131061C	2500 lbs. Maximum Capacity Decal
	A-131136	3300 lbs. Maximum Capacity Decal
5	A-131115	Warning Personal Injury Hazard Decal
6	A-131056C	Disengage Latch Before Using Liftgate
7	A-131053C	After Using Liftgate, Secure Latch Decal
8	A-131058C	Liftgate Fuse Changing Procedure
9	A-150601	Flag — Made in the USA

6.2 Decal Illustrations

1.

URGENT WARNING

ELEVATING GATE INSTRUCTIONS

Before Operating Lift, Be Sure You Understand the Following.

1. Improper operation of this lift can result in serious personal injury. Do not operate unless you have been properly instructed and have read and are familiar with the operating instructions. If you do not have a copy of the instructions, please obtain one from your employer, distributor, or lessor, as appropriate, before you attempt to operate the lift.
2. Be certain the vehicle is properly and securely braked before using the lift.
3. Always inspect this lift for maintenance or damage before using it. If there are signs of improper maintenance, damage to vital parts, or slippery platform surface, do not use the lift. Do not attempt your own repairs unless you are specifically trained.
4. Do not overload. See mfg. literature and/or rating label on the unit for the rated load. Remember that this limit applies to both raising and lowering operations.
5. Each load should be placed in a stable position within the edges of the platform, as near as possible to the center of the platform, side to side, and as close as possible to the truck sill.
6. Never stand in or move through, or allow anyone else to stand in or move through the area in which the lift may operate, or into which an upset load might fall.
7. This is not a passenger lift. This liftgate is intended for loading and unloading of cargo only. Do not use this liftgate for anything but its intended use.

ADVERTENCIA URGENTE

INSTRUCCIONES PARA LA COMPUERTA ELEVADORA

Antes de Operar el Elevador, Asegúrese de Entender lo Siguiente.

1. El uso no apropiado de este elevador puede ocasionar serias lesiones personales. No opere el elevador al menos que usted haya sido instruido apropiadamente para hacerlo y haya leído y se haya familiarizado con las instrucciones de operación. Si usted no tiene una copia de las instrucciones, solicite una copia a quien corresponda (su patrón, distribuidor o arrendatario), antes de intentar operar el elevador.
2. Antes de usar el elevador, cerciórese de que el vehículo esté seguro y apropiadamente frenado.
3. Antes de usar este elevador, siempre inspeccione su estado. Si hay señales de mal mantenimiento, daños en partes vitales, o la superficie de la plataforma está resbalosa, no use el elevador. No intente hacer reparaciones en la plataforma a no ser que usted haya sido entrenado específicamente para ello.
4. No sobrecargue. Refiérase a la literatura del fabricante y/o observe la capacidad de carga nominal en la etiqueta de capacidad colocada sobre la unidad. Recuerde que este límite aplica tanto a las operaciones de levante como a las de bajada.
5. La carga debe ser colocada en una posición estable dentro de los bordes de la plataforma, tan cerca al centro lateral de la plataforma como sea posible, y lo más cerca al umbral del camión que se pueda.
6. Nunca se debe parar ni mover, ni dejar que nadie se pare o mueva en el área en que se vá a operar el elevador, o en el área en la que una carga mal balanceada pueda caerse.
7. Este no es un elevador para pasajeros. Este elevador es unicamente para el levante y bajada de carga. No use este elevador para cualquier otro propósito.

A-131054
05/2010

3.

WELD WARNING!

FOR ALL ANTHONY "SERVICE-FREE" LIFTGATES

When performing welding during installation, service, or repair on Anthony "SF" Service-Free liftgates, the actual part being welded must be grounded. Failure to follow this instruction can cause the welding ground to travel through the high pressure hydraulic hose as the source of ground, thus causing damage to the hose from the powerful electric current. The resulting damage to the hose may or may not be visible and can cause unexpected, catastrophic failure of the lift. If you have any questions, please contact Anthony Liftgates, Inc., Pontiac, Illinois.
(800-482-0003)

¡ADVERTENCIA ANTES DE SOLDAR!

PARA TODOS LOS ELEVADORES ANTHONY "SERVICE-FREE"

Quando se tenga que soldar durante instalación, servicio o reparación de un elevador Anthony "SF" Service-Free, la pieza que se está soldando debe estar a tierra. El no seguir esta instrucción causará que la tierra de la máquina soldadora viaje a través de la manguera hidráulica de alta presión hasta la fuente de tierra. La intensa corriente eléctrica dañará la manguera. El daño resultante puede ser visible o invisible, y puede causar una inesperada falla catastrófica del elevador. Si usted tiene alguna pregunta al respecto, por favor contacte Anthony Liftgates, Inc., Pontiac, Illinois, USA.
(800-482-0003)

A-131057
05/2010

4.

**MAXIMUM
CAPACITY**

2500 lb.

1150 kg.

**CAPACIDAD
MÁXIMA**

A-131061
05/2010

2.

ANTHONY DCT LIFTGATE

OPERATING INSTRUCTIONS / INSTRUCCIONES DE MANEJO

<p>1 UNLATCH LIFTGATE BY TWISTING, THEN SLIDING "LATCH PIN" IN DIRECTION OF ARROW.</p>		<p>DESASEGURE EL ELEVADOR GIRANDO Y TIRANDO DEL PASADOR EN LA DIRECCION DE LA FLECHA.</p>
<p>2 LOWER PLATFORM BY PUSHING CONTROL SWITCH TO "DOWN" POSITION. Platform will begin to open as it lowers.</p>		<p>BAJE LA PLATAFORMA EMPUJANDO EL CONTROL HACIA LA POSICION "DOWN". La plataforma empezará a abrirse a medida que baja.</p>
<p>3 UNFOLD PLATFORM BY PULLING PLATFORM HANDLE OUTWARD AND TOWARD GROUND.</p>		<p>DESDOBLE LA PLATAFORMA TIRANDO DE LA MANIJA HACIA AFUERA Y HACIA EL PISO.</p>
<p>4 UNFOLD "FLIP" SECTION BY PULLING LATCH FORWARD AND PULLING PLATFORM HANDLE UPWARD AND REARWARD</p>		<p>DESPLIEGAR LA SECCION PLEGADA "FLIP" TRASLANDO LA LATCH HACIA ADELANTE Y TIRANDO LA MANIJA DE LA PLATAFORMA HACIA ARRIBA Y HACIA LA PARTE TRASERA</p>
<p>5 FLIP SWITCH "UP" TO RAISE PLATFORM -OR- FLIP SWITCH "DOWN" TO LOWER PLATFORM</p>		<p>MANTENGA EL CONTROL EN "UP" PARA LEVANTAR LA PLATAFORMA -O- "DOWN" PARA BAJARLA</p>
<p>6 TO TUCK UNIT AFTER USE, LOWER PLATFORM TO GROUND AND REVERSE STEPS</p>		<p>PARA GUARDAR LA UNIDAD DESPUES DE USARLA, BAJELA AL PISO E INVIERTA LOS PASOS</p>

ANTHONY LIFTGATES, INC.

1037 WEST HOWARD ST. PONTIAC, IL 61764
800-482-0003

A-131055D
05/2017

5.

WARNING

PERSONAL INJURY HAZARD

Operation may require user to stand on platform. To prevent injury or death of operators or bystanders:

- Read and follow operator/owner manual for safety, operation, inspection, and maintenance instructions.
- Do not place unstable or unsafe loads on platform.
- Do not allow loads to extend over edge of platform.
- Do not exceed capacity or use liftgate for anything other than intended purpose.
- Be aware of surroundings when operating liftgate.
- Do not allow body parts to contact moving components.
- Ensure footing is stable and stand away from edge before raising or lowering platform.
- Owner/operators must properly maintain liftgate.

A-131115

6.

Note:
**DISENGAGE “LATCH”
 BEFORE ATTEMPTING
 TO USE LIFTGATE.**

**ENGAGE “LATCH”
 AFTER
 USING LIFTGATE.**

Nota:
**REMUEVA EL “PESTILLO”
 ANTES DE INTENTAR
 USAR EL ELEVADOR.**

**COLOQUE EL “PESTILLO”
 DESPUES DE
 USAR EL ELEVADOR.**

A-131056 05/2010

7.

**AFTER USING LIFTGATE, SECURE
 LATCH, AND IF EQUIPPED WITH
 POWER CUT-OFF SWITCH, TURN
 OFF POWER TO PREVENT
 UNAUTHORIZED USE OF LIFTGATE.**

**DESPUES DE USAR EL ELEVADOR,
 ASEGURE EL PESTILLO, Y SI
 EXISTE UN INTERRUPTOR DE
 CORRIENTE, ACCIONELO PARA
 EVITAR EL USO NO AUTORIZADO
 DEL ELEVADOR.**

A-131053 05/2010

8.

View fuse through clear fuse holder, if blown, replace as follows:

Liftgate fuse changing procedure.

Warning! To avoid injury, disconnect the liftgates power from the battery(ies) before replacing the fuse, or before disassembling the fuse holder. Do not ignore this warning or an "arc" can occur and personal injury or property damage could result.

1. Pull back rubber boots from fuse holder.
2. Unscrew the fuse holder ends from the fuse holder body and pull apart.
3. Slide the fuse holder body one direction (left or right) to expose the blown fuse.
4. Loosen screw from each end of fuse, remove and replace fuse. Tighten screws.
5. Re-assemble in reverse order. Be sure the rubber boots seal around the fuse holder and cable.
6. Re-connect power after you are certain liftgate area is clear.

Note: Check for spare fuse in liftgate manual packet. If fuses continue to blow, contact a qualified mechanic to remedy the problem.

Observe el fusible a través del portafusible transparente; si está quemado, cámbielo de la manera siguiente:

Procedimiento para cambiar el fusible de la compuerta elevadora.

¡Advertencia! Para evitar lesiones, desconecte la alimentación de la(s) batería(s) de la compuerta elevadora antes de cambiar el fusible, o antes de desarmar el portafusible. No pase por alto esta advertencia ya que puede formarse un arco eléctrico y causar lesiones corporales o daño al equipo.

1. Tire de las fundas de caucho del portafusible hacia atrás.
2. Destornille los extremos del portafusible del cuerpo del mismo y sepárelo.
3. Deslice el cuerpo del portafusible en un sentido (a la izquierda o derecha) para dejar al descubierto el fusible quemado.
4. Afloje el tornillo de cada extremo del fusible, retire y reemplace el fusible. Apriete los tornillos.
5. Vuelva a armar en orden inverso. Verifique que las fundas de caucho sellen bien alrededor del portafusible y cable.
6. Conecte la alimentación después de comprobar que el área de la compuerta elevadora está despejada.

Nota: Busque el fusible de repuesto en el paquete del manual de la compuerta elevadora. Si los fusibles siguen quemándose, comuníquese con un mecánico competente para que solucione el problema.

A-131058 05/2010



7. Operation Section

7.1 General Operating Safety Instructions

⚠ WARNING



Crush Hazard

Do not stand in the platform's work area while operating the liftgate. Serious injury or death could result if the load shifts or is unstable on the platform.

⚠ CAUTION



Anthony Liftgates recommends not riding the liftgate, however, if the delivery operation requires it, make sure your footing is stable before raising or lowering platform. Always stand away from the edge. When on the ground, always stand clear of liftgate when it is operating.



Always use/set the truck's parking brake before operating the liftgate. Failure to follow this recommendation can result in injury.



Do not place hands or feet in pinch points.



Do not place your feet under the liftgate.

SAFETY INSTRUCTIONS



To prevent possible injuries due to improper operation, make sure all decals are attached to the liftgate and/or truck and are legible at all times.



Proper operating position.

The following is a list of Do's and Don'ts for the operation of the liftgate.

✓ **Do's**

- ✓ Read and follow warning decals, operating decals, and owners manual.
- ✓ Keep all decals in place and legible and retain the owners manual with the vehicle or all Warranties are void.
- ✓ Make sure the vehicle is properly and securely braked before using the liftgate.
- ✓ Keep yourself clear of all moving parts.
- ✓ Make sure the area in which the platform will open and close is clear before opening, closing, raising, or lowering the platform.
- ✓ Make sure the platform area, including the area in which loads may fall from the platform, is clear before, during, and at all times while operating the liftgate.
- ✓ Always place the load as close to the center of the platform as possible. Also, position the load as close to the center of the truck's rear sill as possible.
- ✓ Only operate the liftgate with the switch controls mounted on the truck body unless an optional handheld remote is installed.
- ✓ Check the fluid level in the hydraulic reservoir monthly. Fill as required with Dexron VI, Dexron III or Hyken Glacial Blue. Change the fluid if it is contaminated or dirty.
- ✓ Visually inspect your liftgate frequently and keep it properly adjusted.
- ✓ Repair any damage to the liftgate to prevent accidents.
- ✓ When placing the liftgate in the storage position (folding), slowly fold the platform until it contacts the wheel arm assembly.
- ✓ Lock the liftgate into the storage position with the latch pin when the liftgate is not in use.

× Don'ts

- × Do not overload the platform. The maximum rated capacity is based on an evenly distributed load on the platform's flat surface.
- × Anthony Liftgates recommends not riding the liftgate. However, if the delivery operation requires it, make sure your footing is stable before raising or lowering the platform. Always stand away from the edge. When on the ground, always stand clear of the liftgate when it is operating.
- × Do not allow children to play around or operate the liftgate.
- × Do not allow the liftgate to be used by persons not familiar with its operation.
- × Do not use the liftgate if it shows signs of abuse or fails to operate freely.
- × Do not allow the motor/pump to run after the liftgate is closed, or fully raised.
- × Do not use brake fluid in the hydraulic reservoir.
- × Do not bounce the platform by pushing and releasing the control switch abruptly.
- × Do not use the liftgate for anything other than its intended use of loading and unloading cargo.
- × Do not operate lift trucks on or over any part of the platform.
- × Do not stand under or place any object under the liftgate work area.

7.2 Operating Instructions

1. Twist and slide the latch pin toward the streetside of the liftgate.



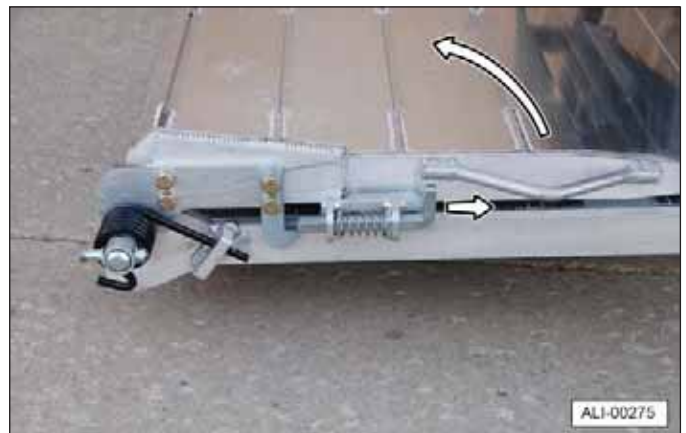
2. Stand clear of the platform and lower the liftgate by pressing "Down" on the control switch.



3. Unfold the platform by pulling the platform handle outward and toward the ground.



4. Pull forward on the latch and unfold the flipover ramp.



5. Press "Up" on the control switch to raise the platform or "Down" to lower the platform as needed for the delivery or pickup operation.
6. When the delivery or pickup operation is complete, lower the platform to ground level.

7. Fold the flipover ramp.



8. Fold the platform by pulling the platform handle inward and upward.



9. Stand clear of the platform and raise the liftgate by pressing "Up" on the control switch.



10. Slide the latch pin toward the curbside of the liftgate and twist it upward.



NOTICE

The latch pin is only for in-transit locking of the liftgate. DO NOT slide the latch pin into the latched position when the platform is unfolded and raised. If this occurs, serious damage to the liftgate can occur when the liftgate is lowered.

ANTHONY DCT LIFTGATE OPERATING INSTRUCTIONS / INSTRUCCIONES DE MANEJO		
1	UNLATCH LIFTGATE BY TWISTING, THEN SLIDING "LATCH PIN" IN DIRECTION OF ARROW.	DESASEGURE EL ELEVADOR GIRANDO Y TIRANDO DEL PASADOR EN LA DIRECCION DE LA FLECHA.
2	LOWER PLATFORM BY PUSHING CONTROL SWITCH TO "DOWN" POSITION. Platform will begin to open as it lowers.	BAJE LA PLATAFORMA EMPUJANDO EL CONTROL HACIA LA POSICION "DOWN". La plataforma empezará a abrirse a medida que baja.
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<div style="display: flex; justify-content: space-around;"> 1 2 3 4 1 2 3 4 </div> <p>ANTHONY LIFTGATES, INC. 1037 WEST HOWARD ST. PONTIAC, IL 61764 A-131055D 800-482-0003 05/2017</p>		

8. Maintenance Section

WARNING



To prevent serious bodily injury, keep sparks, lighted matches, and open flames away from the top of the battery, because battery gas can explode. Always follow all the manufacturers' safety recommendations when working around the truck's battery.



To prevent personal injury, clean up any spilled fluids immediately. To avoid tripping, do not leave tools or components laying around in the work area.

8.1 Monthly Inspection

All Anthony Tuckunder Liftgates are "Grease-Free" which means they have lubrication-free bushings at the major pivot points.

1. Make sure the liftgate operates freely and smoothly throughout its entire range of movement.
2. Check for damage to the liftgate, such as bent or distorted parts. Check for excessively worn parts.
3. Check for cracked welds which may have resulted from overload or abuse.
4. Check all pins and pivot points. Make sure they are secured with proper retainers. Replace worn bushings and/or pins.
5. Make sure platform is angled upward from truck bed 1 to 1-1/2 inch when raised to bed height. See "8.3.1 Platform Adjustment (adding shims)" on page 40 for shimming procedure.
6. Make sure all electrical wires, switches, and connections are in good working condition and operate properly.
7. Check for oil leaks in the following areas:
 - a. Hydraulic lift cylinder.
 - b. Hydraulic hoses. Replace any hose that shows signs of leakage or excessive abrasion of the covering.
 - c. Check all hydraulic fittings for damage or leakage. Tighten fittings to stop leaks or replace if damaged.
8. Check reservoir oil level and fill as required with Dexron VI, Dexron III or Hyken Glacial Blue.
 - a. Gravity-down models - With the platform on the ground, the oil level should be within 1/2 inch of the top of the reservoir.
 - b. Power-down models - With the platform in the fully raised position, the oil level should be within 1/2 inch of the top of the reservoir.

NOTICE

Use only Dexron VI, Dexron III, or Hyken Glacial Blue hydraulic fluid in the power unit reservoir. For cold weather operation, we recommend Hyken Glacial Blue. If an emergency situation occurs, any anti-wear hydraulic fluid can be used, but the system should be flushed and the fluid changed as soon as reasonably possible. Hydraulic fluids should not be mixed due to possible compatibility problems.

The recommended fluids are compatible and may be mixed, however, the cold weather operating characteristics of Hyken Glacial Blue will be adversely affected.

DO NOT thin hydraulic fluid with brake fluid, and DO NOT use brake fluid in place of hydraulic fluid.

9. Check the fluid level of the vehicle battery. Fill as required.
10. Examine all warning, capacity, and operational decals. If they are not readable, they should be replaced. Decals may be obtained free of charge from Anthony Liftgates, Inc.
11. Oil the roller of the wheel arm and make sure it spins freely.

8.2 Semi-Annual Inspection

In addition to the items requiring monthly inspection, also inspect the condition of the hydraulic fluid.

If the oil in the hydraulic tank is dirty, drain the oil and flush the entire system. Refill the system with the recommended oil outlined in Step 7 of the "Monthly Inspection" section.

8.3 Maintenance and Troubleshooting

Procedures

8.3.1 Platform Adjustment (adding shims)

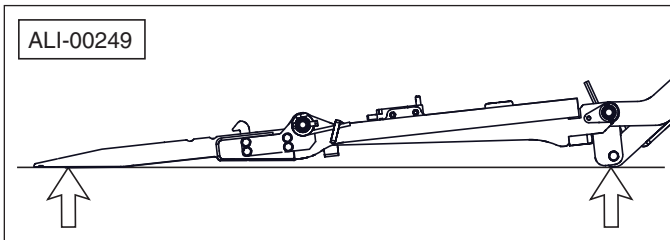
The ramp (outboard) end of the platform should be 1 to 1-1/2 inches higher than the truck floor when in the raised position. If the outboard end of the platform is sagging, add shims as described below. Shimming is a normal procedure as the liftgate ages and the parts become worn.

1. Position the necessary amount of "shim plates" in the contact area between the cam plates and platform.



Add shims to this area to eliminate sagging.

2. Bolt the shim plates to the blocks on the platform.
3. When the platform is lowered to the ground, it should touch at the lift arm end and at the ramp end.



Liftgate should contact the ground at these two locations.

8.3.2 Replacing the Fuse

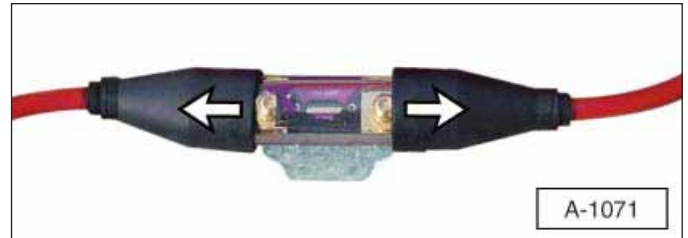
CAUTION



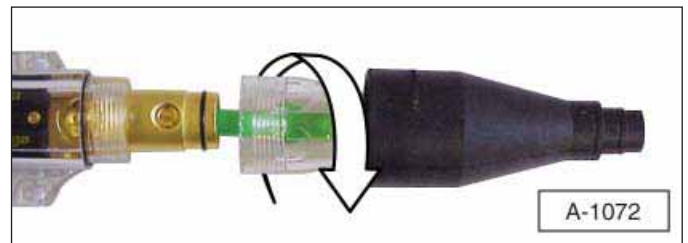
Electric Arc Hazard

An electric arc can cause personal injury or property damage. To avoid personal injury, disconnect the power cable from the vehicle battery or batteries before replacing the fuse, or before disassembling the fuse holder.

1. Slide the rubber boots away from the fuse holder.

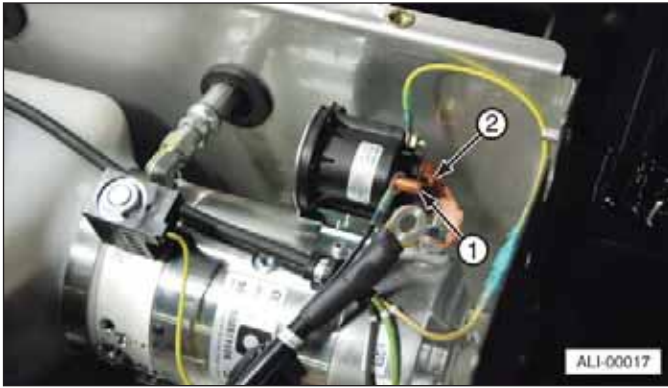


2. Unscrew the fuse holder ends from the fuse holder body and pull it apart.

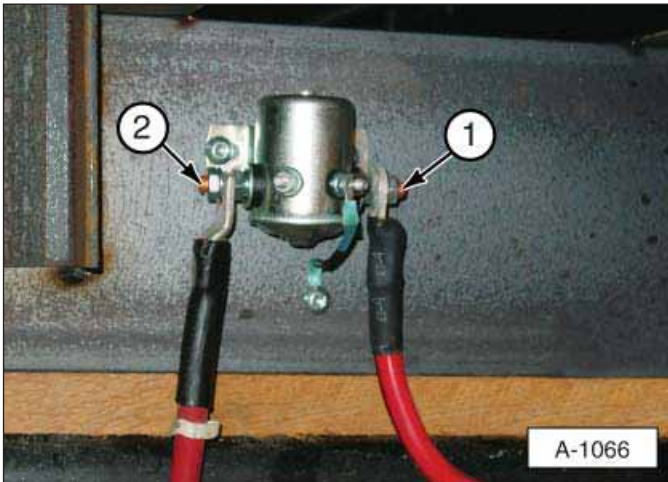


3. Slide the fuse holder body one direction (left or right) to expose the damaged fuse.
4. Loosen the screws from each end of the fuse, remove, and replace the fuse. Retighten the screws.
5. Re-assemble the fuse holder in reverse order. Be sure the rubber boots are sealed around the fuse holder and power cable.
6. Re-connect the power after you are certain the liftgate area is clear.

8.3.3 Checking Motor Start Solenoid and Power Cut-off Solenoid



Motor start solenoid.



Power cut-off solenoid.

Both the motor start solenoid and power cut-off solenoid can be checked by bypassing the solenoid itself.

1. Use jumper cables for this test.
2. Connect one jumper cable to battery side (2) of the solenoid. Connect the other cable to motor side (1) of the solenoid.
3. If the liftgate is activated, the solenoid is defective and should be replaced.

8.3.4 Checking the Power Cable

To check for a defective power cable, run the motor directly from a spare battery using jumper cables.

1. Remove the battery connection to the motor.
2. Connect the negative jumper cable (ground) directly to the liftgate. Connect the positive cable to the terminal on the motor start solenoid.
3. If the motor operates, the battery cable is defective and should be replaced.

8.3.5 Checking Lowering Valve Cartridge and Solenoid

1. Place the liftgate on the ground in the open position.
2. Place a steel screwdriver over the top of the lowering valve solenoid.



3. Momentarily activate the control switch in the DOWN position. The screwdriver should be attracted to the magnetic field created by the solenoid.
4. If no magnetic pull is produced, the solenoid is defective and should be replaced. If the solenoid is activated, check the cartridge valve.
5. Remove the solenoid from the valve assembly.
6. Remove the valve cartridge from the pump body.
7. Clean the cartridge and blow it dry with compressed air (not greater than 30 psi). Also, blow out the pump body.
8. Use a small screwdriver and carefully press on the spool inside the cartridge. If the spool moves freely, the cartridge is good. If it does not move, replace the cartridge, as the spool could be bent, pitted, or otherwise damaged.

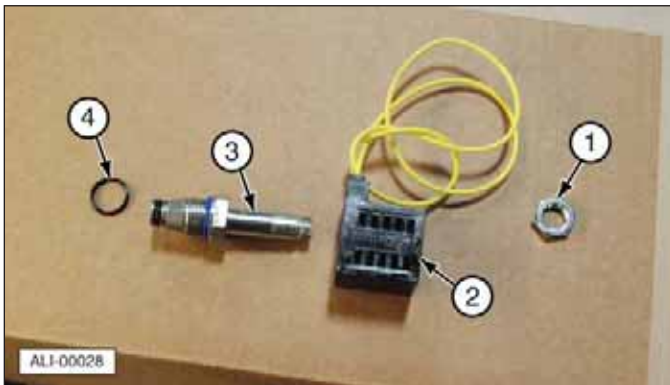


8.3.6 Solenoid Valve Screen



If the solenoid is working electrically, check the debris screen and clean if dirty.

8.3.7 Replacing Solenoid Valve



1. While installed in the pump, remove nut (1).
2. Remove coil (2) from cartridge (3).
3. Remove cartridge (3) from pump body.
4. O-ring (4) is not required on current models and can be discarded.

8.3.8 Checking System Pressure

For gravity-down systems there is only one relief valve (power up). Power-down models have two relief valve settings; one for raising the platform (power up) and one for lowering the platform (power down).

To check the “power up” pressure setting:

1. Place the liftgate on the ground and remove the pressure hose from the power up port of the pump.
2. Install a T-fitting (customer supplied) into the power up port.
3. Connect a pressure gauge and reconnect the hydraulic hose.

The pressure gauge must be rated above the maximum pressure of the liftgate. For example, use a 4000 psi pressure gauge on a 3000 psi maximum capacity liftgate.

4. Raise the liftgate and check the pressure on the gauge.

Low Pressure Threshold Chart		
Model	Power Up	Power Down
DCT-2500	1000 psi	350 psi
DCT-3300	1300 psi	

⚠ WARNING

Crush Hazard
Do not stand or work in the platform’s work area while operating the liftgate. Place the pressure gauge so it can be read while operating the liftgate from a safe location. Serious injury or death could result if this action is not followed.

5. Check the power down relief valve pressure in the same way as the gravity down system by installing a T-fitting and pressure gauge.

8.3.9 Checking Cylinder Piston Seals (drifting - caused by seal leakage)

Gravity Down Models

1. Remove the breather hose (gravity down models only).
2. Completely raise the liftgate and hold the switch in the "UP" position while checking for oil flowing out of the cylinder's breather port.
3. If a continuous flow of oil comes out of this port (while the liftgate is all the way up and the switch is held "UP"), then the piston seals are leaking and the cylinder should be replaced.

Power-down Models

1. Check the lowering valve. Make sure it is operating correctly and the valve is not sticking or dirty. Refer to "8.3.5 Checking Lowering Valve Cartridge and Solenoid" on page 41.
2. If the lowering valve is operating properly, then the drifting is most likely caused by worn piston seals. Replace the cylinder.

8.3.10 Checking Flow Control Valve



If the cylinder does not operate or operates slower than normal, remove the flow control valve and hook the hydraulic hose directly to the cylinder. If the cylinder operates properly, replace the flow control valve.

WARNING

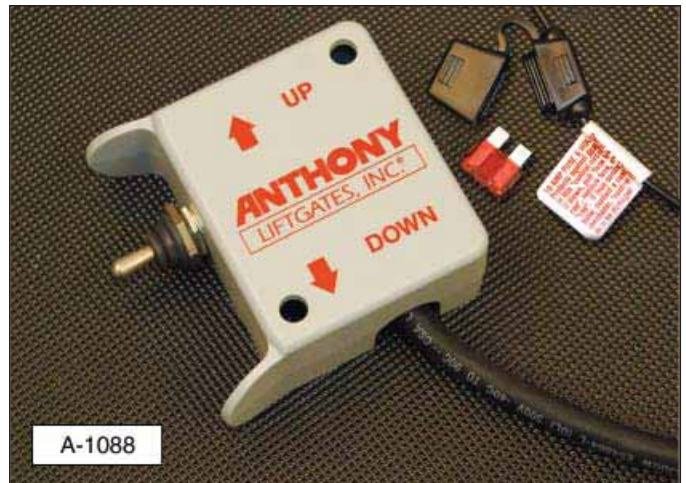


CRUSH HAZARD

Do not operate the liftgate without the flow control valve. Serious injury or death could result if this action is not followed.

8.3.11 Checking Control Switch Fuse

If the control switch is not operating the liftgate, check the in-line fuse located on the control cable inside the power unit box.



9. Troubleshooting

9.1 Troubleshooting Guide

Troubleshooting Chart		
Problem	Possible Causes	Possible Solution
Motor does not run when control switch is activated.	Cab cut-off switch.	Turn switch to ON position. "4.7.3 Cut-Off Switch Connection" on page 29.
	Dead battery.	Make sure battery is fully charged. Check for loose or corroded battery connections. Replace or recharge battery.
	Circuit protection (fuse or breaker).	Replace fuse.
	10 Amp fuse in power unit box.	Replace, if fuse is blown. If problem continues, check for shorts in the electrical system.
	Control box switch.	Check fuse. "8.3.2 Replacing the Fuse" on page 40.
	Motor start solenoid.	Check solenoid. "8.3.3 Checking Motor Start Solenoid and Power Cut-off Solenoid" on page 41.
	Optional power cut-off solenoid.	Check solenoid. "8.3.3 Checking Motor Start Solenoid and Power Cut-off Solenoid" on page 41.
	Battery cable.	Connect motor directly to a spare battery using the procedure in the Maintenance section.
	Motor.	If the motor is determined to be defective, it should be replaced. Defective motors are typically caused by weak batteries (low voltage), loose connections, corrosion, or a poor ground.
		If liftgate is installed on a semi trailer, make sure the battery wire is 2 Gauge or heavier. Smaller wires can reduce the voltage, resulting in motor failures.
	If the motor does not operate in freezing conditions, make sure the motor housing does not contain water.	
Sagging platform.	Normal wear.	Add shims to platform. "8.3.1 Platform Adjustment (adding shims)" on page 40.
	Bushing wear where lift arms connect to platform.	Replace bushings.
	Structural damage.	Replace worn parts.
Foaming oil.	Air in the hydraulic hose(s).	Check oil level in reservoir. "8.1 Monthly Inspection" on page 39.
	Broken or loose fluid return tube.	Remove the oil reservoir and make sure the return tube is below the oil level. If the tube has turned or fallen out, reinstall it into the pump housing. Use a center punch to "stake" the tube into position.

Troubleshooting Chart		
Problem	Possible Causes	Possible Solution
Motor runs, but liftgate will not open or lower to the ground.	Structural damage. Check clearance between platform and dock bumpers.	Fix damage. Replace worn parts.
	Latch pin.	Slide the latch pin to the open position.
	Lowering valve solenoid.	Check the solenoid. "8.3.5 Checking Lowering Valve Cartridge and Solenoid" on page 41.
	Lowering valve cartridge.	Check, remove, and clean valve cartridge using the procedure in the Maintenance section. "8.3.5 Checking Lowering Valve Cartridge and Solenoid" on page 41.
	Flow control valve.	Remove flow control valve and hook hydraulic hose directly to the cylinder. If the cylinder operates properly, replace the valve. "8.3.10 Checking Flow Control Valve" on page 43.
Motor runs, but platform will not raise, will not raise rated capacity, or raises, but drifts down when control switch is released.	Load capacity has been exceeded.	Verify load capacity and adjust load weight.
	Structural damage.	Replace damaged parts.
	Low fluid level.	Fill reservoir. "8.1 Monthly Inspection" on page 39.
	Low Voltage.	Inspect the battery connection terminals and check the battery's Voltage. If less than 12 Volts, recharge battery.
	Faulty lowering valve.	Solenoid or cartridge may need cleaning or replacement. See Maintenance section. "8.3.5 Checking Lowering Valve Cartridge and Solenoid" on page 41.
	Defective piston seals.	See Maintenance section for Checking Cylinder for Leakage. "8.3.9 Checking Cylinder Piston Seals (drifting - caused by seal leakage)" on page 43.
	Hydraulic pump is worn.	Replace hydraulic pump.
Latch pin is broken or bent.	Operator has lowered platform without releasing latch pin.	The latch pin is only used to prevent the liftgate from opening due to a pressure leak or pressure bleed-off over an extended period of time. Always release latch before opening liftgate.
Liftgate raises truck when lowered to the ground.	Power-down system pressure is set too high.	See Maintenance section for Checking System Pressure. "8.3.8 Checking System Pressure" on page 42.
Liftgate will not open.	Platform operating area is not clear.	Clear platform operating area.
	Latch pin will not slide freely to release liftgate.	Activate the "UP" switch and raise the liftgate to the fully stored position. The latch pin should slide freely.

Troubleshooting Chart		
Problem	Possible Causes	Possible Solution
Platform lowers extremely slow.	Low oil level on power-down models.	Fill reservoir. "8.1 Monthly Inspection" on page 39.
	Improper oil in hydraulic reservoir.	See Monthly Inspection. "8.1 Monthly Inspection" on page 39.
	Bushing wear where lift arms connect to platform.	Replace bushings.
	Damaged or kinked hydraulic hose.	Repair or replace.
	Cylinder rod is scored, pitted, or bent.	Replace cylinder.
	Flow control valve.	Remove flow control valve and hook hydraulic hose directly to the cylinder. If the cylinder operates properly, replace the valve. "8.3.10 Checking Flow Control Valve" on page 43.
	Lowering valve.	Solenoid or cartridge may need cleaning or replacement. See Maintenance section. "8.3.5 Checking Lowering Valve Cartridge and Solenoid" on page 41.
Platform raises partially and stops.	Load capacity has been exceeded.	Verify load capacity and adjust load weight.
	Structural damage.	Replace damaged parts.
	Low Voltage.	Recharge battery (if less than 12 Volts).
	Low pressure.	Refill reservoir. Check pump and motor. "8.1 Monthly Inspection" on page 39.
Platform will not lower.	Platform operating area is not clear.	Clear area.
	Structural damage.	Replace damaged parts.
	Low Voltage.	Recharge battery (if less than 12 Volts).
	Lowering valve.	See Maintenance section. "8.3.5 Checking Lowering Valve Cartridge and Solenoid" on page 41.
	Hydraulic pump and motor.	Replace power unit.

10. Inspection Record

Anthony Liftgates, Inc. Tuckunder Liftgate Inspection Record	
Date of Inspection	Notes, observations, maintenance performed, etc.

11. Limited Warranty

11.1 Limited Warranty

DCT - 2 yrs/6,000 cycles Mechanical/Electric/Hydraulic

Thank you for purchasing an Anthony liftgate. We strive to produce the most trouble free and reliable liftgates in the market. We are sure you will experience years of reliable operation. To further insure your confidence in Anthony, this warranty will cover your unit for 2 years or 6,000 cycles (whichever occurs first) on mechanical/ structural, electrical, and hydraulic operating parts. This warranty is extended to the original purchaser (user only) and is not transferable. The warranty term begins from the date of shipment from our factory or warehouse.

Anthony Liftgates Inc. will cover all failed components during the warranty period. Labor will be provided under our Flat Rate Warranty Schedule, in effect at the time of the part failure, and includes diagnosis time. Contact Anthony for current reimbursement amounts. For repairs NOT listed on the Flat Rate Warranty Schedule, contact the Anthony Warranty Department for approved reimbursement, prior to performing repairs. Anthony Liftgates Inc. reserves the right of determination of whether a component is defective or has failed. This warranty applies to Anthony liftgates installed, operated, and maintained in accordance with Anthony Liftgates Inc. installation, operation, and maintenance manuals, videos, etc.

Certain Anthony models have published Lifetime Warranties on listed components, as published in current literature. This additional coverage will be detailed on the published operation components, providing the unit has been operated and maintained within the intended usage.

Anthony Liftgates, Inc. will process all claims and determine their eligibility for authorization upon the receipt of the failed part, the identification of the claimant, and the liftgate serial number. All parts must be returned freight prepaid and following the instructions given by the Anthony Warranty Department. Freight collect shipments will not be accepted.

PLEASE NOTE THAT NO CLAIMS WILL BE PROCESSED WITHOUT THE PART, THE CLAIMANT'S INFORMATION, AND THE LIFTGATE SERIAL NUMBER.

Claims not submitted within 30 days of repair date will be denied.

NOTE: ALL CLAIMS MUST BE COMPLETED ON THE ANTHONY LIFTGATES INC. WARRANTY CLAIM FORM.

This form provides all the necessary information.

Upon approval of the claim, Anthony will, at the direction of the claimant, return a replacement part and labor allowance, or a parts credit based on current distributor net pricing, and the appropriate flat rate labor allowance.

Anthony Liftgates, Inc. is not responsible or liable for loss of time, cost, labor, material, profits, direct or indirect damages caused by failed components, whether due to

Anthony Liftgates, Inc.
www.anthonyliftgates.com

rights arising under purchase, order, contract of sale or independently thereof, and whether or not such claim is based on contract, tort, or warranty. The sale of products of Anthony Liftgates, Inc. under any other warranty or guarantee express or implied is not authorized. This warranty does not cover misuse, abuse, damage, or product finish, normal wear, maintenance adjustments, careless or negligence of use or maintenance. Modifications to our product are not covered unless prior authorized by Anthony.

Purchased Parts warranty is 1 year from date of purchase and covers replacement of part only.

If you require assistance or have questions, please contact Anthony Liftgates Inc. at 815-842-3383.

NOTE: Most (not all) Anthony liftgate models incorporate our Grease-Free feature. Grease-Free refers to the fact that these models require no routine or scheduled lubrication of the major pivot points that contain our Grease-Free bushings. Normal repair and maintenance of your liftgate, per our instruction, is necessary for ALL Anthony liftgates.

Anthony Liftgates, Inc.
1037 W. Howard St., P.O. Box 615
Pontiac, IL 61764-0615

PH: 815-842-3383
FAX: 815-844-3612
E-Mail: warrantyclaims@anthonyliftgates.com

11.2 Warranty Policy and Procedure

All warranty claims must be completed on the Anthony Liftgates Warranty Claim Form utilizing the Flat Rate Warranty Schedule. See the current rates as listed for each model. Using this process will allow for quick and accurate credit payment.

Claims will not be processed without the failed part returned (pre-paid) to Anthony Liftgates, and the warranty claim form completed.

NOTE: When returning defective parts for warranty consideration, be sure to call ahead for a Return Authorization Number.

If you require further assistance or have questions, please contact the Anthony Liftgates Warranty Dept. at 815-842-3383 or email: warrantyclaims@anthonyliftgates.com.

Notes

ANTHONY
LIFTGATES, INC.®

DCT



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