

# Ultron

**Ultron** stands ready to provide you with fast action when you need service, parts or technical assistance:

7 days/24 hours- web site: [www.ultronlift.com](http://www.ultronlift.com)  
e-mail: [QRT@ultronlift.com](mailto:QRT@ultronlift.com)

8:00am to 5:00pm (EST) Monday to Friday  
voice: 1-800-289-1335 (USA)  
1-416-421-7987 (Canada)

**Use this space to insert your liftgate reference numbers for easy access.**

<b>SERIAL #</b>
<b>MODEL #</b>



## **WARNING**

Improper operation of this liftgate may result in severe personal injury or death. **DO NOT** operate this liftgate without proper instruction and a complete understanding of the procedures in this manual.

**GB Manual Part #30432  
GB Operator's Manual Revision 02/2003  
This publication replaces all editions bearing an earlier date.**

## For Your Safety

This Manual follows the Guidelines set forth in ANSI Z535.4-1998 for alerting you to possible hazards and their potential severity.



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



**DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



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



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



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

## INTRODUCTION

**Thank you** for purchasing our liftgate. Your GB liftgate is an example of the finest engineering in the industry and, with proper care and operation, will give you reliable, dependable service for years. Not only have you purchased one of our liftgates; we feel you have entered into a partnership with us.

To begin our partnership we welcome you to our Team and assure you your continuous satisfaction with our product is most important to us. **Ultron** stands ready to provide you with fast action when you need sales, parts, or technical assistance. You can call our customer service department Monday - Friday 8 a.m. to 5 p.m. Eastern Time or reach us 24 hours a day, 7 days a week through our internet home page ([www.ultronlift.com](http://www.ultronlift.com)) or voice message system. Providing quality, value, and service to our customers is what our business is all about.

Read this manual carefully to learn how to operate and care for your liftgate properly. Maintenance (other than the simple routine maintenance we ask you to perform within this manual), inspections, and repairs must be completed by an **Authorized Service Center only**. If you do not know who the Authorized Service Center in your area is, please contact us at:

# Ultron

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## Scope of this Manual

We have designed this manual to illustrate the steps needed for the basic operation of our Gas Bottle Series (GB) liftgates. It also provides safety information and simple preventive maintenance tips.

**NOTE:** *This manual is not intended for use as a repair or troubleshooting guide. Repairs should be performed by an Ultron Authorized Service Center.*

This manual has been designed for use in conjunction with the GB Series liftgate only. These are rail-style direct lift liftgates with capacities of 1600 lb. up to and including 4500 lb. To determine the type of liftgate you have:

- 1) Refer to the serial number tag on the liftgate. The area labeled "Model Number"(see page 2 of this manual) will have a "GB" denotation in the prefix of the model number if it is a GB series liftgate;
- 2) Ask your employer or lessor;
- 3) Call your Ultron Authorized Service Center for assistance;
- 4) Call us for assistance at 1-800-289-1335 (U.S.A.) or at 1-416-421-7987 (Canada). You can also contact us by fax, or on the internet - [www.ultronlift.com](http://www.ultronlift.com)

If you are experiencing difficulty or are in need of repair, contact the Factory for information on the experienced and trained Ultron Authorized Service Center in your area.

*Replacement manuals are available, just call us & order part #30432.*

## Scope of this Manual

### MODEL NUMBER

The code and model numbers of a liftgate are references to its size, type and capacity.

<b>GB</b>	<b>30</b>	<b>36</b>	<b>AF</b>	<b>___</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	

#### 1. LIFTGATE TYPE

GB = Gas Cylinder Style Liftgate

GBD = Gas Cylinder Style Liftgate

Direct Vertical Lift Style Liftgate

#### 2. WEIGHT CAPACITY

16 = 1600 lb. capacity

20 = 2000 lb. capacity

30 = 3000 lb. capacity

40 = 4000 lb. capacity

45 = 4500 lb. capacity

#### 3. DEPTH OF PLATFORM (not including ramp)

36 = 36" of platform loading area

#### 4. STANDARD FLOOR HEIGHT OR ABOVE THE FLOOR LIFT

AF = Above floor

Blank = Standard liftgate

## GB Series Liftgate Description

The GB Series liftgate is a 100% level ride, rail-style liftgate. This style liftgate is available in the range of capacities from 1,600 lbs. up to and including 4,500 lbs. Rail-style liftgates are made of two rails mounted to the rear of your truck, either by welding or by bolting. These rails support the platform on which you raise your cargo.

Depending on what type of GB Series liftgate you have, it may or may not lift above the floor of your truck. Models that will lift above the truck floor will have one of the following denotations at the end of the model number: AF. Here is an example:

**GB 30 36 AF**

### IMPORTANT SAFETY FEATURES

- Pressure compensated flow control valve
- Treadplate platform
- Toe Guard in housing cover
- Platform safety lock
- Warning decals and manuals
- Load Safety Device
- Retention folding safety fence with safety chains
- Three way folding aluminum ramp/retention fence

## Theory of Operation

### **MODELS GB 16, GB 20, GB 30, GB 40**

The Gas Cylinder style liftgate is designed to lift gas cylinders and other welding material vertically from the truck bed to the ground or dock, and vice versa. This liftgate comes equipped with a safety fence and chains to ensure safe handling of the cylinders. Power is provided by a hydraulic power unit and cylinder, which in turn activates a chain and sprocket system. Activation of a control switch supplies power from a 12 volt battery to the hydraulic power unit. The hydraulic power unit in turn supplies hydraulic fluid to the hydraulic cylinder. The cylinder extends, tensioning the chains which are attached to the platform. The resultant upward pull on the platform raises it.

The platform is lowered by gravity. Activation of the control switch releases the hydraulic fluid back to the power unit from the cylinder. The cylinder retracts, releasing the tension in the chain, and the platform lowers by its own weight.

### **MODELS GBD 45**

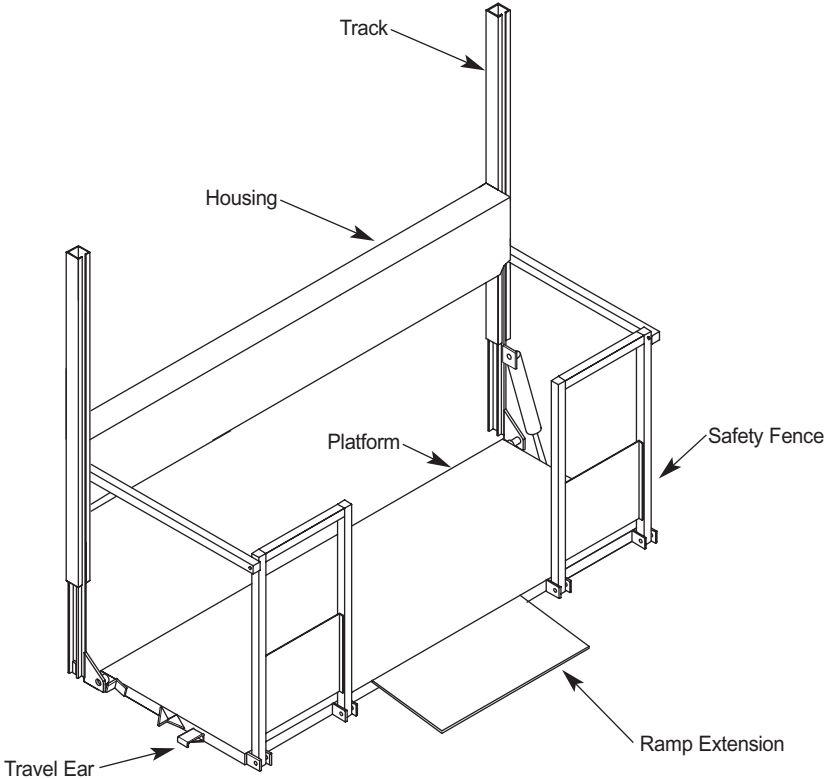
The rail-type direct lift vertical liftgate is designed to lift cargo vertically from the truck bed to the ground and vice versa. A hydraulic power unit provides power to two vertical cylinders that raise and lower the platform. Activation of a control switch supplies current from a 12-volt battery to the hydraulic power unit. The hydraulic power unit in turn supplies hydraulic fluid to the hydraulic cylinders, causing them to retract. The resultant upward pull on the platform raises it.

The platform is lowered by hydraulic power. Activation of the control switch directs hydraulic fluid to extend the cylinder. The resultant downward force on the platform lowers it.

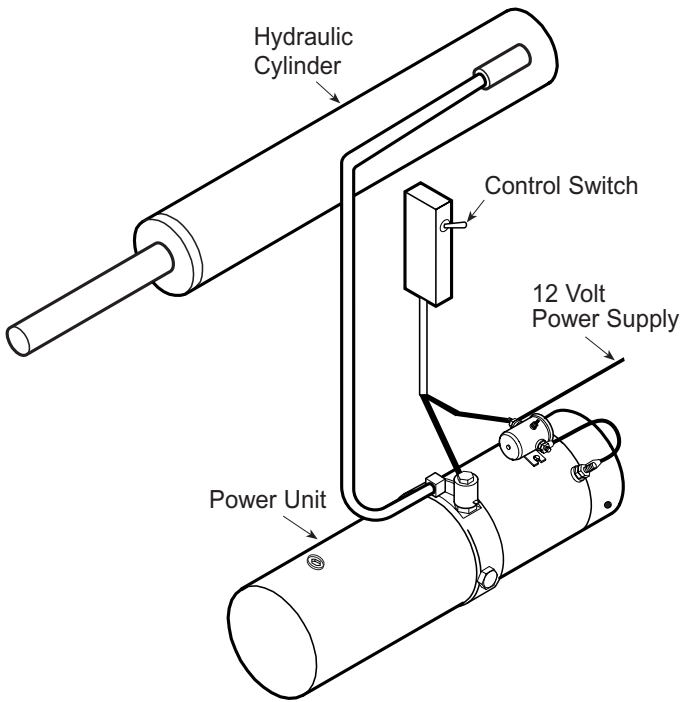
### **ON MODELS GB 30, GB 40 AND GBD 45**

The platform opens and closes hydraulically. The platform is closed by directing hydraulic oil from the hydraulic power unit to the lower part (shaft end) of the Hydraulic Power Open and Close Cylinder. The platform opens hydraulically by directing hydraulic oil to the upper part of the Hydraulic Power Open and Close Cylinder.

# Design Detail

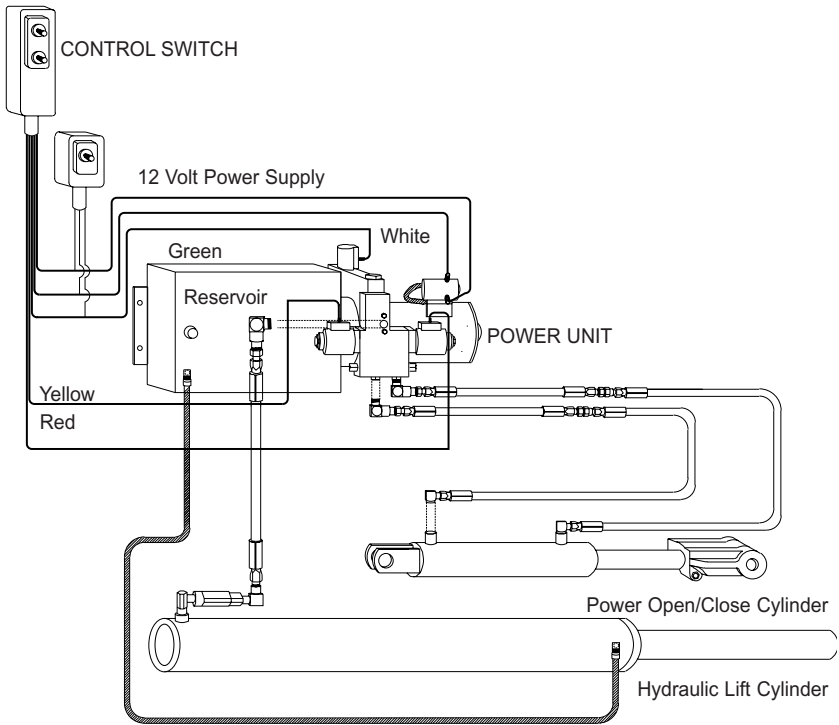


### GB 16 and GB 20 Power System

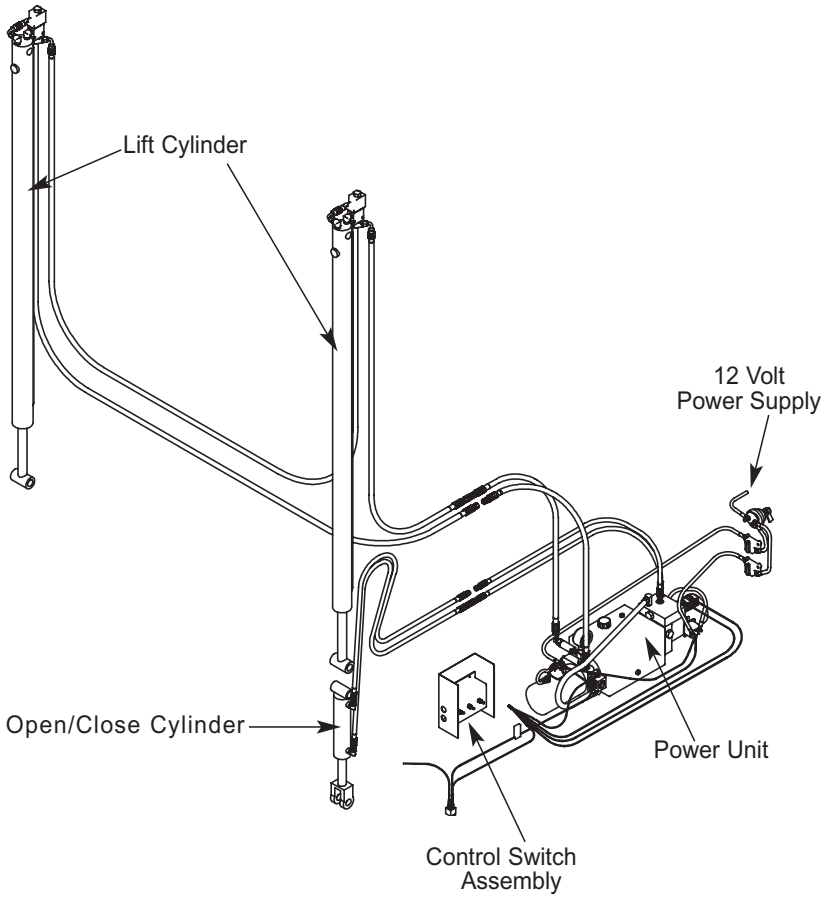


# Design Detail

## GB 30 and GB 40 Power System



### GBD 45 Power System



## Special Features

We have developed the new low maintenance features for our liftgates by listening to you – our customers. Our low maintenance liftgates are value engineered to reduce maintenance cost and downtime while increasing productivity. Our special features include:

### **LOW MAINTENANCE BUSHINGS**

at all major hinge points. These new bushings significantly reduce maintenance cost and downtime.

### **SEALED CONTROL**

In order to help prevent freezing and corrosion of the control switch, all liftgates feature a marine toggle switch with rubber boot.

### **PRESSURE COMPENSATED FLOW CONTROL VALVE**

This valve ensures that the platform descent is controlled at any load capacity or in the event of a damaged hose.

### **CLOSE RELIEF VALVE**

This is a safety device that prevents an operator from inadvertently closing the platform when it's loaded.

### **135 AMP CIRCUIT**

This electrical safety feature is designed to cut power from the battery in the event of a short circuit.

We are always interested in hearing your comments and suggestions especially to improve our products, please contact us at 1-800-289-1335 (U.S.A.) or 1-416-421-7987 (Canada) or on our website ([www.ultronlift.com](http://www.ultronlift.com)) anytime.

## Limits of Operation & Use

### SAFETY INSTRUCTIONS

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 Operation Manual. If you do not have a copy of the operation manual, please obtain it 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 proper 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 Maximum Capacity Load Decal 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 as near as possible to the **CENTER** of the platform.
6. Keep people clear of liftgate while operating. **NEVER STAND** in or move through or allow anyone else to stand on or move through the area in which the lift may operate or into which an upset load might fall.
7. Be very careful if riding the liftgate. This is **NOT** a passenger lift. Unstable loads or falling off the liftgate would endanger you.
8. Ensure all decals are legible and in their correct locations. If you require replacement decals contact us immediately! Read all safety decals before operating the liftgate.

## Abnormal & Unsafe Practices



### WARNING

Improper use of the liftgate may result in severe damage to liftgate and/or severe personal injury or death. Never use liftgate for anything other than its designed use of loading/unloading cargo.

The following are unsafe practices that may cause hidden damage to the liftgate creating the risk of serious personal injury or death:

- Using the liftgate to pull, push, or tow objects
- Using force of the hydraulic system to bend, shear, or break objects
- Driving a forklift over the liftgate
- Driving the truck with platform open
- Driving the truck with platform un-secured in the travel position
- “Plowing” with the platform

The following unsafe practices may result in serious personal injury or death:

- Trying to use the liftgate as a “launching pad” (GB 30, GB 40, and GBD 45 with power “Open/Close”)
- Trying to power open or close the platform with cargo on it

## Safety

### OPERATE SAFELY

- Run liftgate through a full cycle before operating every day; inspect liftgate for missing or loosened fasteners, broken welds, signs of overload; and check that all decals are in their proper place and legible. (Please refer to your “Daily Check List” on page 47 of this manual).
- Clear area of any objects that may be pinched or crushed. Keep people out of work area. Stop operating liftgate if anyone enters the area.
- If you hit anything with the liftgate - STOP immediately! Remove object and inspect damage. Have an Authorized Service Center make any repairs before you operate liftgate again.
- DO NOT leave liftgate activated or platform open when unattended.
- DO NOT allow an untrained person to operate the liftgate.

### HELP PREVENT SERIOUS INJURY OR FATAL ACCIDENTS

- BE VERY CAREFUL if riding the liftgate at anytime or using platform when it is not on the ground as a step into the truck. Riders risk the chance of falling off the liftgate. They may also be injured by unstable loads falling on them.
- Disconnect power to the liftgate after every use, using the Master Disconnect Switch in the cab of the truck.
- DO NOT run a forklift or machinery (exceeding rated load) over the platform at anytime.
- DO NOT use the liftgate for any other reason than loading or unloading cargo.
- DO NOT operate the liftgate if you are under the influence of drugs or alcohol.
- SECURE all loads before raising or lowering the platform.
- NEVER exceed the maximum capacity.

## Safety

### LOADING AND UNLOADING SAFELY

- ➔ Be sure to operate liftgate on as level a surface as possible to ensure that loads are stable on the platform.
- ➔ When backing truck to loading dock, do not hit the dock. Have a second person outside the truck directing you.
- ➔ Hitting the dock may cause hidden damage to liftgate components. Be sure to inspect the gate thoroughly for damage.

### USING THE CONTROL SWITCH

- ➔ DO NOT depress the “UP” or “DOWN” toggle for any longer than necessary to perform the desired function. Release the toggle immediately once the platform reaches its full height or the ground. Failure to release toggle immediately may cause hidden damage to liftgate components causing the liftgate to fail unexpectedly.
- ➔ DO NOT “jerk” the liftgate by activating the “Up/Down” toggle too quickly. The sudden movement may cause the cargo to become unstable and/or fall.



# 1. ACTIVATING LIFTGATE

## 1.1 To Operate Liftgate



### WARNING

Improper use of the liftgate may result in serious injury or death. DO NOT operate this liftgate without being properly instructed and fully understanding this Operation Manual.

**STEP 1** TURN the lever on the Master Disconnect Switch until it snaps into the “ON” position.



## 2. NORMAL OPERATING PROCEDURES

### 2.1A Opening Liftgate Platform

**Notice:** There are two types of locks depending on the lifting capacity and/or custom specifications of your gate. Follow the steps pertaining to your specific liftgate capacity.

#### GB 16 and GB 20 Models



#### WARNING

Platform may crush or pinch.  
Make sure people are clear of  
area in which platform will open.

**STEP 1** Release safety pins located on the passenger and driver side travel plates.



**STEP 2** Use the control switch located on the outside of the truck to raise the platform until travel ear clears the drop-in plate.



## 2.1A Opening Liftgate Platform

**STEP 3** Stand to the side of the platform, use the opening handle to carefully lower the platform to its horizontal position.



**STEP 4** Use the switch located on the outside of the truck to lower the platform to the ground.



**STEP 5** Begin loading the truck. See “Proper Cargo Handling Procedures” **Page 26**.

## 2.1B Opening Liftgate Platform

**Notice:** There are two types of locks depending on the lifting capacity and/or custom specifications of your gate. Follow the steps pertaining to your specific liftgate capacity.

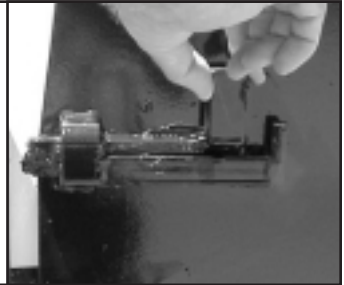
### GB 30, GB 40 and GBD 45 Models



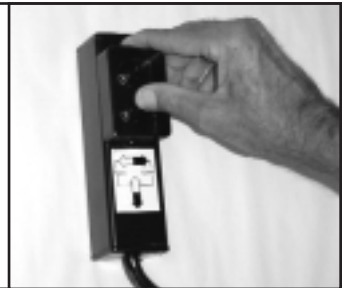
#### WARNING

Platform may crush or pinch.  
Make sure people are clear of  
area in which platform will open.

**STEP 1** Release safety latch on the passenger and driver side travel plate.



**STEP 2** Use the “UP/DOWN” switch on the control switch located on the outside of the truck to raise the platform until the travel ear clears the drop-in plate.



## 2.1B Opening Liftgate Platform

**STEP 3** Stand on the side of truck to open the platform by positioning the lower toggle switch to the “UP” position and simultaneously positioning the upper toggle to the “LEFT” or “OPEN” position on the marine control switch located on the outside of the truck.



**STEP 4** Lower the platform to the ground by positioning the lower toggle switch to the “DOWN” position on the control switch located on the outside of the truck.



**STEP 5** Begin loading the truck. See “Proper Cargo Handling Procedures” **Page 26**.

## 2.2 Proper Cargo Handling Procedures



### WARNING

Platform may crush or pinch.  
Make sure people are clear of  
area in which platform will open.

**STEP 1** Open the platform. See “Opening Liftgate Platform”  
page 22.

**STEP 2** To release the ramp, flip the  
brackets until they rest on the  
stop. Place the ramp on the  
ground.



**STEP 3** Raise the platform to the bed  
of the truck using the control  
switch located **inside** the truck.  
Note: Use caution when riding  
the liftgate. Do not ride  
platform in such a way that a  
fall might endanger you.



## 2.2 Proper Cargo Handling Procedures

**STEP 4** Load the platform. Secure the cylinders using the safety chains provided.



**STEP 5** Lower the platform to the ground using the control switch located on the inside of the truck.



**STEP 6** Begin unloading.



**STEP 7** Once use of the liftgate is complete, place the platform in its stored position. See “Closing and Storing” **page 28**.

## 2.3 Closing and Storing the Platform

**Notice:** There are two different procedures to follow when closing and storing your liftgate depending on the lifting capacity. Follow the steps pertaining to your liftgate on the next two pages.



### WARNING

Platform may crush or pinch.  
Make sure people are clear of  
area in which platform will open.



### CAUTION

Driving with the ramp on the platform may  
cause damage to the platform and ramp.  
Always secure the ramp within the latches  
provided to prevent movement.

**STEP 1** To store the ramp, lift the  
ramp to its vertical position  
and flip the brackets so they  
hold the ramp in position.



## 2.3A Closing and Storing the Platform

### GB 16 and GB 20 Models

**STEP 2** Raise platform to a comfortable lifting position and lift to its vertical position.



**STEP 3** Position the control switch to the "UP" position, raise the platform until the ear of the lock clears the travel plate. Once cleared, position the control switch to the "DOWN" position so the travel ear drops into the travel plate.



**STEP 4** Re-insert the safety pins on the passenger and driver side travel plates.



## 2.3B Closing and Storing the Platform

### GB 30, GB 40 and GBD 45 Models

**STEP 2** Raise horizontal platform to the bed of the truck.



**STEP 3** Close platform by positioning the lower toggle switch to the “UP” position while simultaneously positioning the upper toggle switch to the “RIGHT” or “CLOSE” position on the control switch located on the **outside** of the truck.



**STEP 4** Once closed, position the lower switch to the “DOWN” position so the travel ear drops into the travel plate. Re-insert the safety latches on the passenger and driver sides.



## 2.4 Deactivating the Liftgate



### WARNING

Unauthorized use may result in severe personal injury or death. Deactivate liftgate when finished operating.

**STEP 1** TURN the lever on the Master Disconnect Switch until it snaps into the “OFF” position.



## 2.5A Proper Dock Loading Procedures



### WARNING

Incorrectly following these steps may result in severe personal injury or death. Before beginning the Dock Loading Procedures be sure to follow the Proper Cargo Handling Steps on **page 26** which apply to you.

### A. WHEN TRUCK BED IS EVEN WITH LOADING DOCK

*Notice: A second person will need to be outside to direct the driver*



### WARNING

Platform may crush or pinch. Make sure people are clear of area in which platform will open.

**STEP 1** With the platform in its stored position, carefully align the truck and back it towards the dock. **STOP** the truck about 5-6 feet from the dock.



## 2.5A Proper Dock Loading Procedures

**STEP 2** Place wheel chocks under the tires



**STEP 3** Remove the platform from its stored position. See “Opening Liftgate Platform” under **Normal Operating Procedures**.

**GB 16 and GB 20 Models - Use steps 1-3 (pages 22-23).**

**GB 30, GB 40 and GBD 45 Models - Use steps 1-4 (pages 24-25).**

**STEP 4** Release the ramp extension and lay it on the platform. Lower platform using the control switch located on the **outside** of the truck until the platform is 12" from the ground.



## 2.5A Proper Dock Loading Procedures

### STEP 5 GB 16 and GB 20

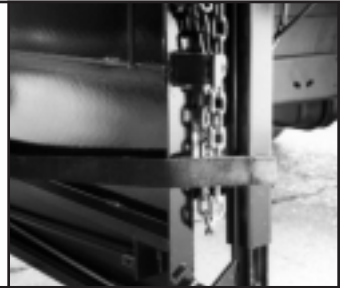
Lift the platform to its vertical position. Ensure top of platform is no higher than the truck bed.

### GB 30, GB 40 and GBD 45

Raise the platform to its vertical position by positioning the lower toggle switch to the “UP” position while simultaneously positioning the upper toggle switch to the “RIGHT” or “CLOSE” position on the control switch located on the **outside** of the truck. Ensure top of platform is no higher than the truck bed.

### STEP 6 GB 16 and GB 20 Models Only

Secure lowered platform with a load lock strap to prevent platform from opening.



## 2.5A Proper Dock Loading Procedures



### CAUTION

Do not move truck with platform on the ground. Liftgate may be torn off or severely damaged.

**STEP 7** Remove wheel chock and back truck to within 6-8" of dock. If the top of the platform is not below the bed of the truck lower the platform to the ground. Replace the wheel chock under the tires.



**STEP 8** Place dock plate across loading dock and bed of the truck.



**STEP 9** Begin loading/unloading the truck.



## 2.5A Proper Dock Loading Procedures



### CAUTION

Do not move truck with platform on the ground. Liftgate may be torn off or severely damaged.

**STEP 10** Remove dock plate when finished. Before moving the truck, raise the platform 12" off the ground using the control switch located on the **outside** of the truck.



**STEP 11** Remove the wheel chocks and move the truck slowly and carefully out of the dock area before placing the liftgate into its stored position.



**STEP 12** Once liftgate is out of the dock area return it to its stored position. See "Closing and Storing" **page 33**.

## 2.5B Proper Dock Loading Procedures



### WARNING

Incorrectly following these steps may result in severe personal injury or death. Before beginning the Dock Loading Procedures be sure to follow the Proper Cargo Handling Steps page **26** which apply to you.

### B. WHEN LOADING DOCK IS HIGHER OR LOWER THAN BED OF TRUCK

*Notice:* A second person will need to be outside to direct the driver



### WARNING

Platform may crush or pinch. Make sure people are clear of area in which platform will open.

**STEP 1** Open the platform, See “Opening Liftgate Platform” page **22**.

**STEP 2** Raise the platform to the bed of the truck.



## 2.5B Proper Dock Loading Procedures

- STEP 3** Slowly back truck towards the dock.
- If the loading dock is **higher** than the truck bed, **STOP** once the platform is within 6-8" of the dock.
- If the loading dock is **lower** than the truck bed, **STOP** once the platform is over the dock.



- STEP 4** Place wheel chocks under the tires.



- STEP 5** Unload the cylinders from the truck to the liftgate platform securing them with the safety chains provided.



## 2.5B Proper Dock Loading Procedures

- STEP 6** If the dock is **higher** - raise the platform to the dock.  
If the dock is **lower** - lower the platform to the dock.



- STEP 7** Unfold the extension ramp across the loading dock.



- STEP 8** Release the safety chains and unload the cylinders from the platform to the dock. Load and secure any cylinders that need to be returned at this time.



- STEP 9** Once use of the liftgate is complete, drive truck away from dock at least 1-1/2 times depth of platform. Return platform to its stored position. See "Closing and Storing the Platform" **page 28**.

## 2.5C Proper Dock Loading Procedures

### C. WHEN LOADING PALLETS OR WIDE CARGO

*Notice: A second person will need to be outside to direct the driver*



#### WARNING

Platform may crush or pinch. Make sure people are clear of area in which platform will open.

- STEP 1** Remove platform from stored position. See "Opening Liftgate Platform" under **Normal Operating Procedures**.  
**GB 16 and GB 20 Models use steps 1-3 (pages 22-23).**  
**GB 30 and GB 40 Models use steps 1-3 (pages 24-25).**

- STEP 2** Release the ramp extension and lay it on the platform. Lower platform by using the control switch located on the **outside** of the truck until the platform is 12" from the ground.



## 2.5C Proper Dock Loading Procedures

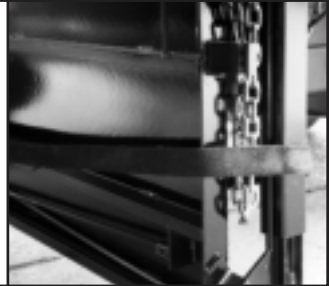
### STEP 3 GB 16 and GB 20

Lift the platform to its vertical position. Ensure top of platform is no higher than truck bed.

### GB 30 and GB 40

Close platform by positioning the lower toggle switch to the “UP” position while simultaneously positioning the upper toggle switch to the “RIGHT” or “CLOSE” on the control switch located on the **outside** of the truck. Ensure top of platform is no higher than truck bed.

**STEP 4** Secure lowered platform with a load lock strap to prevent platform from opening. (GB 16 and GB 20 only).



**STEP 5** Unhook the safety chains from the hook on the platform fence.



## 2.5C Proper Dock Loading Procedures

**STEP 6** Hold the fence and pull the spring loaded pull pin down to release the lock. Rest the fence on the rear of the platform. (Repeat both sides.)



**STEP 7** Using a forklift, you can load or unload the truck.



**STEP 8** Once loading/unloading is complete, lift the safety fence to its vertical position.



## 2.5C Proper Dock Loading Procedures

**STEP 9** Pull the spring loaded pull pin down and place the fence into position. Release the pin to lock the fence into place.



**STEP 10** Re-hook the safety chains to the hook on the fence.



**STEP 11** Place the platform into its stored position. See “Closing and Storing” **page 28**.

## 3. PREVENTIVE MAINTENANCE

### 3.1 Essential Maintenance

We strongly recommend using our preventive maintenance schedule as a means of keeping your liftgate running at its best. The **Daily Overall Inspection** should be performed by you, the operator, each day. You should also perform the **Periodic Lubrication** according to the chart on page 51. The **Routine Maintenance Schedule** should be performed annually (or more often in the case of heavy use or extreme operating conditions) by an Authorized Service Center. By performing your **Daily Overall Inspection** and **Periodic Lubrication** and having annual **Routine Maintenance Inspections** performed, you can ensure years of safe, trouble free operations.

Your first visit to your Authorized Service Center should occur once the liftgate has been in operation for 30 days. The importance of this initial inspection is to make sure that everything is working properly during this break in period. Once this is complete, return annually to your Authorized Service Center for performance of the **Routine Maintenance Schedule**.

## 3.2 Daily Overall Inspection

**STEP 1** Run liftgate through its entire cycle daily. Check for any unusual noises coming from the liftgate or related items such as the power unit.

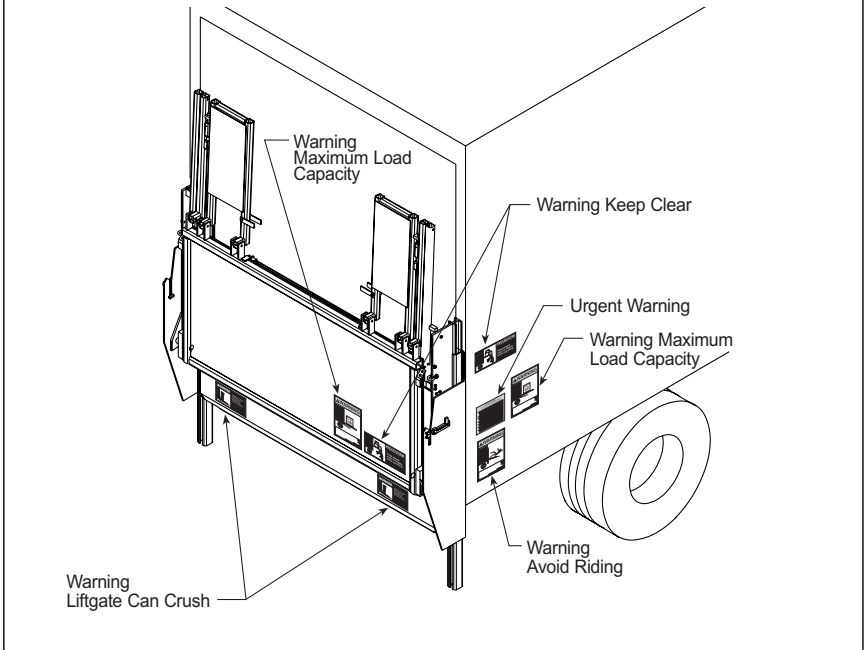


**STEP 2** Inspect liftgate for missing or loosened fasteners, broken welds, signs of overload, hydraulic leaks and that all pins are in place and secured. Any defects need repair immediately. Contact your Authorized Service Center.



## 3.2 Daily Overall Inspection

**STEP 3** Check that all warning decals are in place and legible. Any missing or damaged decals need replacement immediately.



You may obtain free replacement decals (See **page 18** for detailed description of decals) by phoning us at **1-800-289-1335** in **U.S.A.** or **1-416-421-7987** in **Canada**.

Have your liftgate model # and serial # ready.

*NOTE: Please fill out the chart provided, as a reminder that these steps have been completed daily. You will find a sample of this chart on the page that follows. Contact your employer to receive a copy to keep in your glove compartment.*

## 3.2 Daily Overall Inspection

### SAMPLE OF DAILY CHECK CHART



#### **WARNING**

Do not operate the liftgate if everything does not check out properly during its daily inspection. Liftgate may malfunction causing severe personal injury or death. Liftgate should be inspected IMMEDIATELY by an Authorized Service Center.

Date	Liftgate Cycle Check	Fastener Check	Weld Check	Signs of Overload Check	Hydraulic Leak Check	Support Chains Check	Safety Decal Check
6/9/01	MS	MS	MS	MS			





### 3.3 Periodic Lubrication

Lubrication should be performed monthly. Lubricate with SAB30 automotive oil at the points marked “Oil”, and with automotive grease at the points marked “Grease” (see Lubrication Diagram on page 49). Heavier usage will require more frequent lubrication, consult the chart below. If you are in any doubt as to duty or number of cycles, lubricate more frequently.

Cycles per Day	Light Duty <sup>1</sup>	Medium Duty <sup>2</sup>	Heavy Duty <sup>3</sup>
Under 20	1 month	1 month	1 month
20-40	1 month	1 month	2 weeks
40-60	1 month	2 weeks	Weekly
Over 60	Consult factory	Consult factory	Consult factory

<sup>1</sup> Lowering rated load and lifting empty platform

<sup>2</sup> Lowering rated load and lifting 1/2 rated load

<sup>3</sup> Lowering rated load and lifting



## Liftgate Warranty Procedure

### WE KEEP YOU ON THE JOB

You have just purchased a GB Series liftgate. With careful maintenance and proper operation it should give you years of dependable, reliable and trouble-free use. If a problem does develop, contact us at **1-800-289-1335** in **U.S.A.** or **1-416-421-7987** in **Canada** to obtain the name of our Authorized Service Center in your area. An Authorized Service Center has the training to service your liftgate.

If you think you have a WARRANTY CLAIM, read the following:

- 1 Carefully read the Three Year Limited Warranty found at the back of this Operator's Manual. Our warranty is for 3 years on the entire liftgate against faulty material and workmanship. Parts and labor coverage exists for the first year of the warranty period, parts coverage only after that.
- 2 Your Authorized Service Center will receive a pre-approved claim after consulting with the factory and repair of your liftgate will be done immediately to get you on the road as quickly as possible. They may invoice you for this service. If the problem is warrantable by us, we will issue your Authorized Service Center a credit that will be passed on to you.

## Getting Help

### NEED HELP?

If you have any questions concerning liftgate installation, maintenance, warranty, parts or operation, contact the Factory:

**Ultron Lift Inc.**

12 Industrial St.

Toronto, ON M4G 1Y9 Canada

Phone: (416) 421-7987

Fax: (416) 421-7927



**Ultron Lift Corp.**

190 Lewis St. • PO Box 6126

Buffalo, NY 14240-6126 USA

Phone: (716) 853-7994

800-289-1335

Fax: (716) 854-5424

E-mail: [QRT@ultronlift.com](mailto:QRT@ultronlift.com)

**Keep the name of your Authorized Service Center here for easy access.**

---

Name

---

Address

---

Phone

---

Contact Person

---

## Ordering Parts

### GENUINE OEM PARTS

Each Liftgate is manufactured to stringent quality standards for years of reliable service. To ensure maximum performance of your Liftgate, always specify and use genuine OEM Replacement parts from us. For more information on OEM Parts, request the **Parts Locator Manual**.

### SAME DAY PARTS AVAILABILITY

Ask your distributor about our exclusive “**Blue Label™**” same day parts program. Place your order as late as **5:00 p.m. Eastern time**, specify “**Blue Label™**” service (at no extra cost), and we guarantee same day shipment of stocked parts or we pay the freight.

## Three Year Limited Warranty

Ultron Lift Corp. in the United States of America or Ultron Lift, Inc in Canada (each herein called the "Company") warrants to Distributor and/or to original purchaser for use, that it will repair F.O.B. its factory in Toronto, ON (Canada) or Buffalo, NY (USA) or furnish without charge, freight prepaid, a similar genuine part to replace any part of any liftgate sold (herein called the "Liftgate") by the Company which, within thirty six (36) months after the date of sale by Distributor is proven to the satisfaction of the Company to have been defective at the time it was sold, provided that all parts claimed defective shall be returned, properly identified, to said factory, freight prepaid. Charges for labor to install such part shall be paid only with respect to parts which, within twelve (12) months after the date of sale by Distributor, are proven to the satisfaction of the Company to have been defective at the time they were sold and shall be paid in accordance with the Company's Flat Rate Schedule and will be reimbursed at a rate to be set by the Company from time to time. This warranty shall be in effect as of December 1, 2001 and will cover only Liftgates sold after that date. The Company's obligation under this warranty shall not include any costs incurred by anyone for consequential damages in any form and, in particular, without restricting the generality of the foregoing, shall not include costs for vehicle towing, road calls or travel time. This warranty is expressly in lieu of all other warranties, expressed or implied, upon which Liftgates are sold. No other warranty has been made or exists.

This warranty applies only to new and unused Liftgates which, after shipment from said factory, have not been altered, changed, repaired or treated in any manner whatsoever. No warranty of any kind applies to Liftgates, or parts thereof, which have been damaged or have failed because of neglect, lack of maintenance or service, or lubrication, wear, misuse, overloading, accident, or improper installation. No warranty of any kind, statutory, implied or otherwise, shall apply to second-hand or used Liftgates or to new and unused Liftgates which, after shipment from said factory, have been altered, changes, repaired or treated in any manner whatsoever. The integral parts of the Liftgates not manufactured by the Company are covered only by the standard warranty, if any, of the maker of same and the Company assumes no responsibility with respect thereto. No person has any authority to change this warranty in any manner whatsoever and no attempt to repair or promise to repair or improve, any Liftgate made by any representative of the Company shall waive any provision or term of this warranty, or change or extend this warranty in any manner whatsoever.

No claim under this warranty shall be valid unless such claim is submitted to the Company in writing and received by the Company within thirty six (36) months after date of sale by Distributor or within thirty (30) days after discovery of the defect which is the basis of such claim, whichever event shall occur first.



# Ultron

**Ultron Lift Corp.**

190 Lewis St. • PO Box 6126  
Buffalo, NY 14240-6126 USA  
(716) 853-7994  
800-289-1335

**Ultron Lift Inc.**

12 Industrial St.  
Toronto, ON M4G 1Y9 Canada  
(416) 421-7987

[www.ultronlift.com](http://www.ultronlift.com)



# GB Series™ Rail Style Liftgate

Read Before Operating

## OPERATOR'S MANUAL

For Models GB 16 • GB 20 • GB 30 • GB 40 • GBD 45

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