IMPORTANT
KEEP IN VEHICLE

ATTENTION
THE SUCCESS OR FAILURE OF THIS EQUIPMENT COULD VERY WELL DEPEND ON THOROUGH AND PROPER OPERATION AND MAINTENANCE OF THIS EQUIPMENT.
READ AND UNDERSTAND THE CONTENTS OF THIS MANUAL BEFORE OPERATING THIS EQUIPMENT.

Visit us at www.waltco.com

08-06
GR01544

OHIO
285 Northeast Avenue
Tallmadge, OH 44278
(330) 633-9191
FAX – (330) 633-1418

CALIFORNIA
227 E. Compton Blvd
Gardena CA 90248
(310) 243-6800
FAX – (310) 538-1136

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1395 N. Cobb Parkway
Marietta, GA 30062
(770) 425-0922
FAX – (770) 425-5886

EO 5797 Rev.04
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<td></td>
</tr>
</tbody>
</table>
INTRODUCTION

If anyone observes improper installation, improper operation, or damage, they should immediately contact a qualified person for assistance and correction. We strongly urge anyone that has any questions or doubts as to the installation, condition, use, operation, maintenance or repair of the liftgate to contact us at Waltco where we have qualified personnel that will be happy to assist you. Telephone numbers and addresses of these locations are listed in the Owners Manual and Installation Instructions.

INSTALLATION

Waltco liftgates should only be installed by those with sufficient basic skills to understand the installation and operation of the liftgate, along with the equipment on which the liftgate is being installed. Waltco’s installation instructions are not intended to give rationale for all the instructions that are given; however, it is the intent of these instructions to give the installer both the operations and what we believe to be the most desirable sequence of implementing these operations. These instructions can in no way expand into an area where they will replace a qualified person, or clear thinking and a basic knowledge that must be possessed by the installer.

It has been our experience that a knowledgeable journeyman following these instructions and observing the operation of the liftgate will have a sufficient comprehension of the liftgate to enable this person to troubleshoot and correct all normal problems that may be encountered.

Failure to follow the installation instructions, adjustments and mounting dimensions may result in improper and unsafe operation of the liftgate. Unauthorized alterations of the liftgate can cause an undesirable and dangerous condition.

OWNERS MANUAL

The Waltco Owners Manual is intended to act as a guide for operation and routine maintenance but is no way intended to encourage usage or repair of the liftgate by those who are not qualified to do so.

The contents of the owners manual include, but are not limited to general operation instructions, routine lubrication, parts lists, and an outline of things that should be checked but may not be obvious to those not technically qualified. This manual assumes the liftgate is properly installed, undamaged and operates correctly. Improper installation, improper operation, or damage should be immediately corrected by a qualified person.

INSPECTION

As part of the regular inspection of a liftgate and after damage or suspicion of an overload, inspect for wear or structural damage and make necessary repairs or replacements. Check all structural components and their attachment to the liftgate for cracked welds, wear and part deformation. Check cylinder and hose for leaks. Inspections and repairs should be made by a qualified mechanic.

REPLACEMENT PARTS

Use only Waltco original equipment replacement parts. Components of other liftgate manufacturers may outwardly appear to be the same but are not interchangeable with Waltco products. Waltco components are specifically designed for safety requirements, reliability and compatibility with our products. Refer to your Waltco parts manual when ordering parts. NOTE: When ordering, give model and serial number of liftgate.

DECALS

It is important that every vehicle that has a WALTCO Liftgate have legible DECALS clearly posted on the vehicle and an OWNER’S MANUAL in the vehicle at all times as a guide for proper operation and maintenance.

Additional DECALS and OWNER’S MANUALS can be obtained from WALTCO TRUCK EQUIPMENT COMPANY.
The following safety information must be read before operating Waltco liftgates.

- Read and understand the Owner’s Manual and all decals on liftgate before operating liftgate.
- Do not operate liftgate without a thorough knowledge and understanding of the operation of the liftgate.
- Liftgate hazards can result in crushing or falling
- This liftgate is designed for loading and unloading of cargo. If personnel are required to ride liftgate, observe and familiarize yourself with the liftgate operation, decals and manuals. Ensure stable footing at all times
- Do not ride liftgate with unstable loads.
- Keep hands and feet clear of all potential pinch points.
- Do not attempt any repairs unless you are qualified to do so. Care should be taken when work is performed on a disabled liftgate located near moving traffic. When possible the vehicle should be moved away from traffic areas for repair. Precautionary measures should be taken to ensure personal safety including those recommended in Federal Motor Vehicle Safety Standards 571.125.
- **NEVER OVERLOAD LIFTGATE**
  Refer to the Explanation of Specification Tag in the Liftgate Terminology chapter for liftgate capacity rating.
- Never use liftgate if it makes any unusual noise, has unusual vibration, raises or lowers unevenly, or fails to operate smoothly.
- Never use liftgate if it shows any signs of structural damage such as cracked welds, bent or distorted members.
- For liftgates with Runners, never use liftgate if Runners do not travel freely and smoothly.
- All protective covers, guards, and safety devices must be in place and access doors closed before operating liftgate.
- Make certain the Platform area, including the area in which loads may fall, is clear before and at all times during the operation of the liftgate.
- For liftgates with Roller Lifting Chain, the Chain should be replaced every (5) five years or 15,000 cycles, whichever comes first. Replace only with Waltco approved Roller Chain.
- A Lock-Out device or Shut-Off Switch should always be used to prevent unauthorized use of liftgate.
- Never transfer loads which exceed lifting capacity on or over any part of the Platform unless the liftgate is equipped with a special reinforced Platform and Platform Support Bars for use when the Platform is used as loading ramp (dock board). Refer to the “Using Platform as a loading ramp” Chapter in the Operation Instructions of the BZ/RZ series Owner’s Manual.
- Platform is always to be properly stored and secured for transit. See the Owner’s Manual for details.
- For liftgates equipped with Trailer Hitches, never exceed the rated capacity of the hitch. Do not exceed the vehicle’s weight rating. Refer to the vehicle’s Owner’s Manual.
Chapter 1  △ Safety Information

- Take care to retain cargo during transit for liftgate Platforms which function as the tailgate or door of the cargo area. Small objects can fall through the space between the vehicle and the folded Platform.
- Vehicle must comply with all state and federal standards.
- Follow the “Maintenance Guide” chapter in the Owner’s Manual.

Liftgates with Tilt Function
- Proper use of the Control Switches is of extreme importance.
- Improper use of Tilt Switch could cause load to fall from the Platform or damage the liftgate.
- Platform should be in a generally horizontal position when raising or lowering with a load.
- In any tilt position, the Platform may vary from level while raising or lowering the Platform.

Liftgates equipped with spring operated Cam Closer
- Replace Cam Release Spring every five (5) years or 15,000 cycles, whichever comes first.

RGL
- Make certain Platform Brake mechanisms are operating properly.
- The Runners are always to remain powered up against the Upstops Pins when in transit.
- Inspect Cables every three (3) months or 750 cycles, whichever comes first. Cables must be replaced if they show signs of wear, distortion, kinking or if any broken wires are visible.
- Replace cables every five (5) years or 10,000 cycles, whichever comes first.

**SIGNAL WORDS**

<table>
<thead>
<tr>
<th>WARNING</th>
<th>Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Black letters on an orange background</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAUTION</th>
<th>Indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury. May also be used to alert against unsafe practices.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Black letters on a yellow background.</td>
</tr>
</tbody>
</table>

Page 1 - 2
# Chapter 2  Liftgate Terminology

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

---

![Diagram of Liftgate Terminology](GR01545)
## EXPLANATION OF SPECIFICATION TAG

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>MODEL NAME</th>
<th>DESCRIPTION</th>
<th>CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>324 U</td>
<td>WDL-45 US</td>
<td>WDL-45 US Series (102” Wide)</td>
<td>4500 lb.</td>
</tr>
</tbody>
</table>

**MODEL NUMBER**

- Used when ordering parts or when contacting Waltco for service or warranty.

**RATED CAPACITY**

- Based on an evenly distributed load on the platform flat surface.

**SERIAL NUMBER**

- Of Liftgate. To be used when ordering parts or when contacting Waltco for service or warranty.

**DATE OF MANUFACTURE**

- Month/Year
## OPENING PLATFORM FOR LOADING

Assure toggle switch in power unit is in “ON” position.

Hold latch in the unlatch position.

Lower platform until arrow on runner is below arrow on upright, (or approximately 8”) before releasing latch.

Push and hold open button. Press lower button simultaneously to open platform.

---

## RAISING AND LOWERING PLATFORM

Press lower button to lower platform.

Press raise button to raise platform.

---

## CLOSING PLATFORM FOR TRANSIT

Assure platform is at least 8” below bed level.

Push and hold close button. Press raise button simultaneously to close platform.

Raise folded platform up until platform powers into the up-stop bolts on the columns.

---

## LOWERING PLATFORM FOR DOCK LOADING

Assure platform is in transit position.

Hold latch in the unlatch position.

Lower platform until bottom stop hooks engage sill extension.
CART STOP OPTION OPERATION INSTRUCTIONS

Push lever away from platform to release stop bar.

Rotate stop bar to lock in vertical position.

Rotate brace to engage stop bar.

FOLDING RAMP OPTION OPERATION INSTRUCTIONS

Unlatch ramp and unfold to loading position.

Use cables for cart stop application.

Assure ramp is latched when in transit position.
MONTHLY INSPECTION

Check that all controls operate correctly per operation instructions.

Check that toggle switch in power unit works properly in “ON” and “OFF“ positions.

Check that liftgate operates freely and smoothly through operational cycle without unusual noise or vibration.

Check that platform opens and closes at a safe rate.

Check for apparent damage to the lifting structure such as bent or distorted members or cracked welds, which may have resulted from overloading or abuse.

Check that transit latch automatically latches when platform is stored, is free to unlatch when manually rotated, and springs back to position when released.

Check that the following are in place & properly secured:
1. All cylinder pins & bolts
2. All hubs and hub clevis bolts
3. Lower closer cylinder clevis bolt
4. Equalizer beam bolts
5. Support chain attachment bolts
6. Rollers, roller pins and bolts
7. Chain linkage bar pivot bolts
8. Wear pads
9. Platform pins and bolts
10. All protective covers
11. All decals

Check electrolyte level of batteries

Check that all wiring and battery cable connections are tight and free of corrosion
CHECK OIL LEVEL
Lower platform to ground in open position.
Fill hydraulic reservoir to within ½” of top of reservoir.

Recommended Fluids

<table>
<thead>
<tr>
<th>Temperature Range</th>
<th>Acceptable Fluids</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 to 150° F</td>
<td>Exxon Univis J-26</td>
</tr>
<tr>
<td></td>
<td>Mobil DTE 13</td>
</tr>
<tr>
<td></td>
<td>Chevron AW 32</td>
</tr>
<tr>
<td></td>
<td>Shell Tellus 23</td>
</tr>
<tr>
<td>-10 to 110° F</td>
<td>Exxon Univis J-13</td>
</tr>
<tr>
<td></td>
<td>Mobil DTE 11</td>
</tr>
<tr>
<td>-40 to 80° F</td>
<td>Mobil DTE 11</td>
</tr>
<tr>
<td></td>
<td>MIL-H-5606</td>
</tr>
</tbody>
</table>

A good quality SAE 10W motor oil may also be used

Fill reservoir
- Fill with recommended fluid or equivalent.
- With the platform on the ground, fill the reservoir to within 1/2” from the top.

IMPORTANT
Do not use the following fluids:
- Brake Fluid
- Power Steering Fluid
- Automatic Transmission Fluid (ATF)

Inspect for oil leaks in:
- All three hydraulic cylinders
- Hydraulic hoses. Replace hoses if they show signs of excessive abrasion.
- Hydraulic fittings and valves.
- Hydraulic components – repair or replace all components required to stop oil leakage.

Lubricate liftgate per lubrication instructions
Chapter 4  Inspection

BLEEDING LIFT CYLINDERS

Place liftgate within 8” of bed level and place platform in folded position.

Locate bleeder on cylinder. Attach ¼” ID hose to divert oil to a waste oil container. Loosen nut. **DO NOT** remove bleeder.

**IMPORTANT: PLATFORM MUST BE IN STORED/TRANSIT POSITION FOR BLEEDING.**

Press raise button to raise liftgate to its fully up Stored/Transit position and hold until a clear, air free oil stream comes from bleeder port. Hold for an additional 15 seconds. Release switch for 30 seconds and press raise switch for another 15 seconds. Repeat sequence until no air is observed in oil.

**NOTE:** Upstop bolts may need to be temporarily removed if air free stream is not observed after completing above procedure.

Tighten bleeder & Repeat above steps to other cylinder.

Run liftgate through several cycles and check operation.

**Note:** Before, during and after the bleeding procedure, be certain there is sufficient oil in pump reservoir.

---

BLEEDING CLOSER CYLINDER

Open platform and lower to ground.

Remove nut and bolt from closer cylinder shaft.

Disconnect closer hose from cylinder.

Manually pull closer cylinder to fully extended position.

Press raise and close buttons simultaneously until a clear, air free oil stream comes from hose.

Reconnect closer hose to cylinder.

Align cylinder shaft with hub clevis using control switches.

Reassemble bolt and nut.

Run liftgate through several cycles and check operation.

**IMPORTANT:** Do not over tighten cylinder hex nut, as it may cause binding or cracking between the clevis plates and the cylinder shaft.
SEMI ANNUAL INSPECTION

Perform procedures outlined in monthly inspection

Check for excessive wear in the following areas:
1. Roller and pin assemblies
2. Platform hinge pins and hinge plates
3. Platform inner and outer hubs
4. Platform support chain and attachment points
5. All cylinder pins and bolts

Inspect pump motor:
- Disconnect battery cables.
- Remove motor end cover.
- Examine armature brushes for wear. Brushes should be replaced if they are less than 1/8" long.
- Clean residue from inside motor housing.
- Apply several drops of light weight machine oil to armature shaft bearing in motor end cover and reassemble motor end cover.

If hydraulic oil in reservoir is dirty:
- Open platform and lower to ground.
- Drain oil from hydraulic system using drain port located on bottom of reservoir and flush entire system.
- Fill reservoir to within ½" of top of reservoir.
- Bleed cylinders.
# Chapter 5  Placement of Decals

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

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DECAL</th>
<th>QTY</th>
<th>PART</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Safety Instructions</td>
<td>1</td>
<td>80100850</td>
<td>Locate in a conspicuous place near controls.</td>
</tr>
<tr>
<td></td>
<td>Operation</td>
<td>1</td>
<td>80101435</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3500 # Capacity Decal</td>
<td>1</td>
<td>80100586</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4500 # Capacity Decal</td>
<td>1</td>
<td>80100261</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5500 # Capacity Decal</td>
<td>1</td>
<td>80101308</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6600 # Capacity Decal</td>
<td>1</td>
<td>80101309</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Important Decal</td>
<td>1</td>
<td>80100828</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thermalpak Decal</td>
<td>1</td>
<td>80101156</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hazard Decal</td>
<td>1</td>
<td>80101370</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Caution Decal</td>
<td>2</td>
<td>75089296</td>
<td>Locate one in a conspicuous place near controls. Locate one in a conspicuous place on driver side upright.</td>
</tr>
<tr>
<td>2</td>
<td>Folding Ramp Decal</td>
<td>2</td>
<td>80100482</td>
<td>Locate on side of ramp latch</td>
</tr>
<tr>
<td>3</td>
<td>Warning Decal</td>
<td>1</td>
<td>80100829</td>
<td>Locate next to liftgate circuit breaker. In applications where multiple circuit breakers are used, place in all locations.</td>
</tr>
<tr>
<td>4</td>
<td>Dual Pump Decal</td>
<td>1</td>
<td>80101021</td>
<td>Locate decal inside hydraulic enclosure cover for dual pump.</td>
</tr>
<tr>
<td></td>
<td>Hand Pump Decal</td>
<td>1</td>
<td>80101456</td>
<td>Locate decal inside hydraulic enclosure cover for hand pump.</td>
</tr>
<tr>
<td>5</td>
<td>Single Pump Valve Block Decal</td>
<td>1</td>
<td>80101372</td>
<td>Locate appropriate decal inside hydraulic enclosure cover.</td>
</tr>
<tr>
<td></td>
<td>Dual Pump Valve Block Decal</td>
<td>1</td>
<td>80101373</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Current Switch Decal, Single Pump Only</td>
<td>1</td>
<td>80101371</td>
<td>Locate appropriate decal on pump unit</td>
</tr>
<tr>
<td></td>
<td>Selector Switch Decal, Dual Pump Only</td>
<td>1</td>
<td>80101380</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Alignment arrow</td>
<td>1</td>
<td>80115006</td>
<td>Decal 80115006 is placed on up-right at dimension shown</td>
</tr>
<tr>
<td></td>
<td>Open or close when arrows align</td>
<td>1</td>
<td>80115007</td>
<td>Decal 80115007 is placed on runner at dimension shown</td>
</tr>
<tr>
<td>8</td>
<td>Reflective Decal</td>
<td>4</td>
<td>80101455</td>
<td>Locate on face of all switches</td>
</tr>
</tbody>
</table>
LUBRICATION INSTRUCTIONS

This liftgate is equipped with Teflon™ bearings on all major pivot points and does not require any regular lubrication, except as outlined below. The points indicated should be lubricated approximately once every three (3) months, or as outlined in the lubrication schedule for heavier usage. If not sure of duty or cycles, always lubricate more frequently.

1) Use a light weight machine oil to lubricate chain connecting link areas and latch.

<table>
<thead>
<tr>
<th>Monthly Cycles</th>
<th>Light Duty</th>
<th>Med. Duty</th>
<th>Heavy Duty</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 Or Less</td>
<td>45</td>
<td>30</td>
<td>21</td>
</tr>
<tr>
<td>250-350</td>
<td>30</td>
<td>21</td>
<td>14</td>
</tr>
<tr>
<td>350-450</td>
<td>21</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td>More Than 450</td>
<td>Contact Factory for Instructions</td>
<td></td>
<td></td>
</tr>
</tbody>
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- Dual Pump Electrical Schematic ............................................................... 7-5
- Dual Pump Hydraulic Schematic ............................................................. 7-6
- Light Schematic ...................................................................................... 7-7

- WDL US “H” Frame & Runner Assembly .................................................. PM-691B
- WDL US Steel Platform & Linkage Assembly ............................................ PM-692A
- WDL US Aluminum Platform & Linkage Assembly ................................. PM-693A
- WDL US Liftgate Hydraulic and Electrical Layout ...................................... PM-694B
- WDL US Single Pump Hydraulic and Electrical Layout ............................ PM-695C
- WDL US Dual Pump Hydraulic and Electrical Layout ............................... PM-696B
Chapter 7  PMs & Schematics

SINGLE PUMP WITH HAND PUMP HYDRAULIC SCHEMATIC
Chapter 8 – How To Order Parts

Repairs should be made only by authorized mechanics using WALTCO Replacement parts.

When ordering repair or replacement parts, please include all the information asked for below. If this information is not available, a complete written description or sketch of the required part will help WALTCO identify and deliver the needed part to you.

THE FOLLOWING INFORMATION MUST BE INCLUDED:

1. SERIAL NUMBER - [WALTCO liftgate serial numbers can be found on the Specification Tag attached to the mount frame. (On older units the Specification Tag is located on the side or bottom of the platform.)]

2. MODEL NUMBER - [Or capacity]

3. PLATFORM SIZE

THEN INCLUDE THE FOLLOWING INFORMATION:

4. PART NUMBERS

5. DESCRIPTION

6. QUANTITY REQUIRED

MAIL, E-MAIL OR PHONE YOUR REQUEST TO:

Waltco Truck Equipment Co.  
285 Northeast Avenue  
Tallmadge, OH 44278  
1-800-411-5685  
FAX: 1-800-411-5684  
E-MAIL: parts@waltco.com

ALL PARTS ARE F.O.B. FROM THE SHIPPING FACTORY

PLEASE NOTE:

To assure you of continuing and effective quality control, our warranty policy permits replacement of hydraulic cylinders, valves and motor pump units when their factory seals are intact. Parts under warranty will be exchanged promptly after careful inspection of the returned assemblies.
This liftgate is equipped with Waltco’s Thermalpak® with Voltage Guard™ hydraulic unit. This feature protects the liftgate motor(s) and solenoid(s) from damage due to overheating and low voltage.

The following conditions will cause the Thermalpak® With Voltage Guard™ controller unit to temporarily disable the liftgate motor:

**Condition: Over temperature**

When the Thermalpak® with Voltage Guard™ controller detects a liftgate motor overheating condition, the following occurs:

- The red LED on the controller lights.
- The liftgate motor is temporarily disabled.
- An alarm will sound intermittently each time the Raise function of the liftgate is activated.

**Solution:**

- Allow motor to cool until red LED on controller turns off and that the alarm no longer sounds when activating the Raise function of the liftgate.
- Hold Raise Switch for five (5) seconds to reset controller. Liftgate motor will then activate and normal operation will be restored.
- During the shut down period the liftgate may still be lowered or unfolded.

**Troubleshooting (Why did liftgate motor overheat?):**

Some conditions that may have caused the motor to overheat are:

- Overuse: Liftgate is being operated too many times within a short period of time.
- Battery cables are not securely connected or cable ends are corroded.
- Bad or insufficient ground.
- Insufficiently charged or bad batteries.
Condition: Low Voltage

When the Thermalpak® with Voltage Guard™ controller senses long term battery voltage falling to a level that would prevent the vehicle from starting or when it senses a short term severe drop in voltage that would cause solenoid “door belling” (rapid chattering of solenoid), the following occurs:

- The yellow LED on the controller lights.
- The liftgate motor is temporarily disabled.
- A steady alarm will sound each time the Raise function of the liftgate is activated.

Solution:

- Run vehicle motor to charge batteries.
- If the Thermalpak® with Voltage Guard™ does not automatically reset, turn off the vehicle. Disconnect the (+) positive battery cable from the battery(s) operating the lift gate for approx. (1) minute. Reconnect the battery cable.
- During the shut down period the liftgate may still be lowered or unfolded.

Troubleshooting (Why did liftgate motor stop working?):

Some conditions that may have caused a low voltage condition are:

- Overuse: Liftgate is being operated too many times with the vehicle engine not running.
- Battery cables are not securely connected or cable ends are corroded.
- Bad or insufficient ground.
- Insufficiently charged or bad batteries.
- If liftgate is mounted on a trailer, the tractor/trailer plug supplying charging power to the liftgate batteries is unplugged.
IMPORTANT

TO BE KEPT IN VEHICLE

CAUTION:

STAND CLEAR AND KEEP CLEAR OF PLATFORM AREA WHILE OPERATING LIFTGATE.

FOR OPERATION OF THIS UNIT, REFER TO THE “OPERATION INSTRUCTIONS” INSIDE THE OWNER’S MANUAL AND THE OPERATION INSTRUCTIONS DECAL.

LUBRICATION INSTRUCTIONS

Refer to the lubrication chart in this manual.

DO’S AND DON’TS

DO: Make certain area in which the platform will open and close is clear before opening or closing platform.

DO: Make certain platform is properly latched when in transit.

DO: Make certain platform area, including the area in which loads may fall from platform, is clear before and at all times during operation of the liftgate.

DO: Operate the liftgate with the control switches only.

DO: Check oil level monthly and change oil yearly.

DO: Use hydraulic fluids listed on the HYDRAULIC FLUID CHART (found inside this manual) or equivalent.

DO: Lubricate as per the LUBRICATION INSTRUCTIONS AND LUBRICATION SCHEDULE found in this book.

DO: Read and follow WARNING DECALS, OPERATION DECALS and OWNER’S MANUAL.

DO: Visually inspect the liftgate frequently and keep it in adjustment.

DO: Be certain vehicle is properly and securely braked before using the liftgate.

DO: Repair the liftgate when it is found to be faulty to prevent accidents.

DO: Keep all decals in place and legible and retain the Owner’s Manual in the vehicle or ALL WARRANTIES ARE VOID.

DON’T: Allow the liftgate to be used by persons not familiar with its operation.

DON’T: Use the liftgate if unit shows signs of abuse or fails to operate freely.

DON’T: Permit the motor to run after the liftgate is raised to bed level.

DON’T: Overload the liftgate (Refer to Manual for proper capacity of liftgate).

DON’T: Use brake fluid.