



WDV / WDVBG

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Owner's Manual
3500 – 6600 lb. Capacity Rail Lift

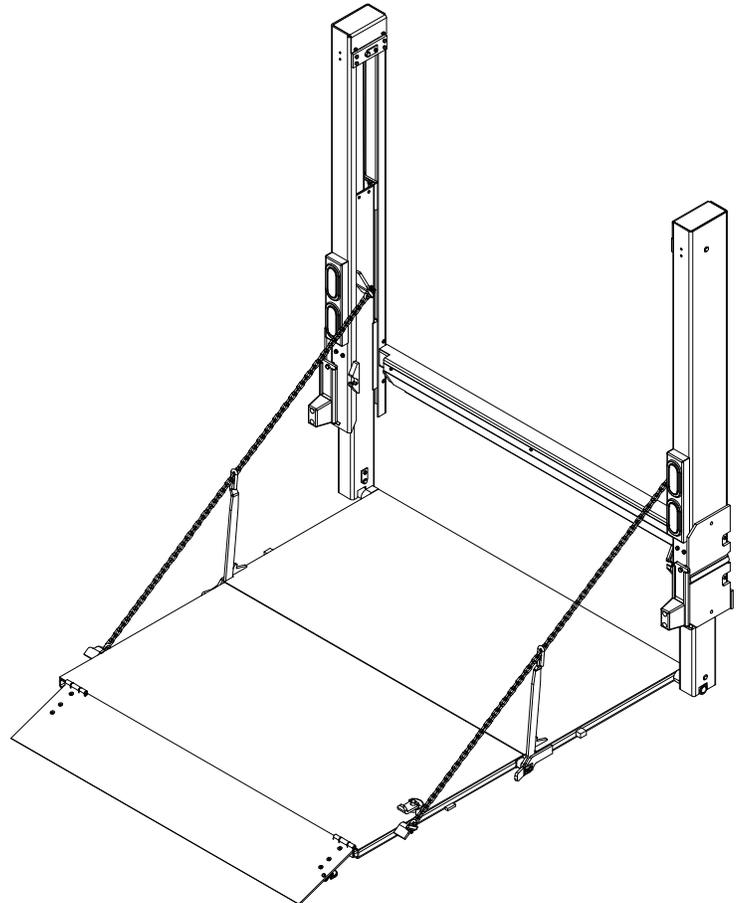
IMPORTANT

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



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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.

Chapter 1 Safety Information

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

WARNING

Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.
Black letters on an orange background

CAUTION

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.
Black letters on a yellow background.



WARNING



CAUTION

WALTCO Warranty Policy

WALTCO warrants its products free of defects in materials and workmanship.

WALTCO will replace components found defective during the warranty period. Labor will be reimbursed according to our flat rate labor schedule at the prevailing shop rate.

Contact our Sales or Warranty departments for the warranty period of your model or for information regarding our flat rate labor schedule.

WALTCO Warranty Claim Procedure

For consideration, all claims must be received within 30 days of repair and include the following information:

- Liftgate Serial Number
- Description of problem and corrective actions
- Itemization of the labor charge to include the number of hours and labor rate

Replacement warranty parts can be obtained by contacting Waltco's Parts Department. Parts must be returned for inspection when requested.

Exclusions:

Waltco's warranty does not include reimbursement for service calls, vehicle rental, towing, travel time, fabrication of parts available from WALTCO, damage from misuse or abuse, negligence, accidents, alteration, loss of income or overtime expense, oil, or normal wear.

Diagnosis and troubleshooting time are included in the flat rate labor times.

Warranty and technical information is available from WALTCO's toll free customer service lines from 8:00 a.m. to 5:00 p.m. EST.

Waltco Lift Corp.

285 Northeast Ave, Box 354, Tallmadge, OH 44278

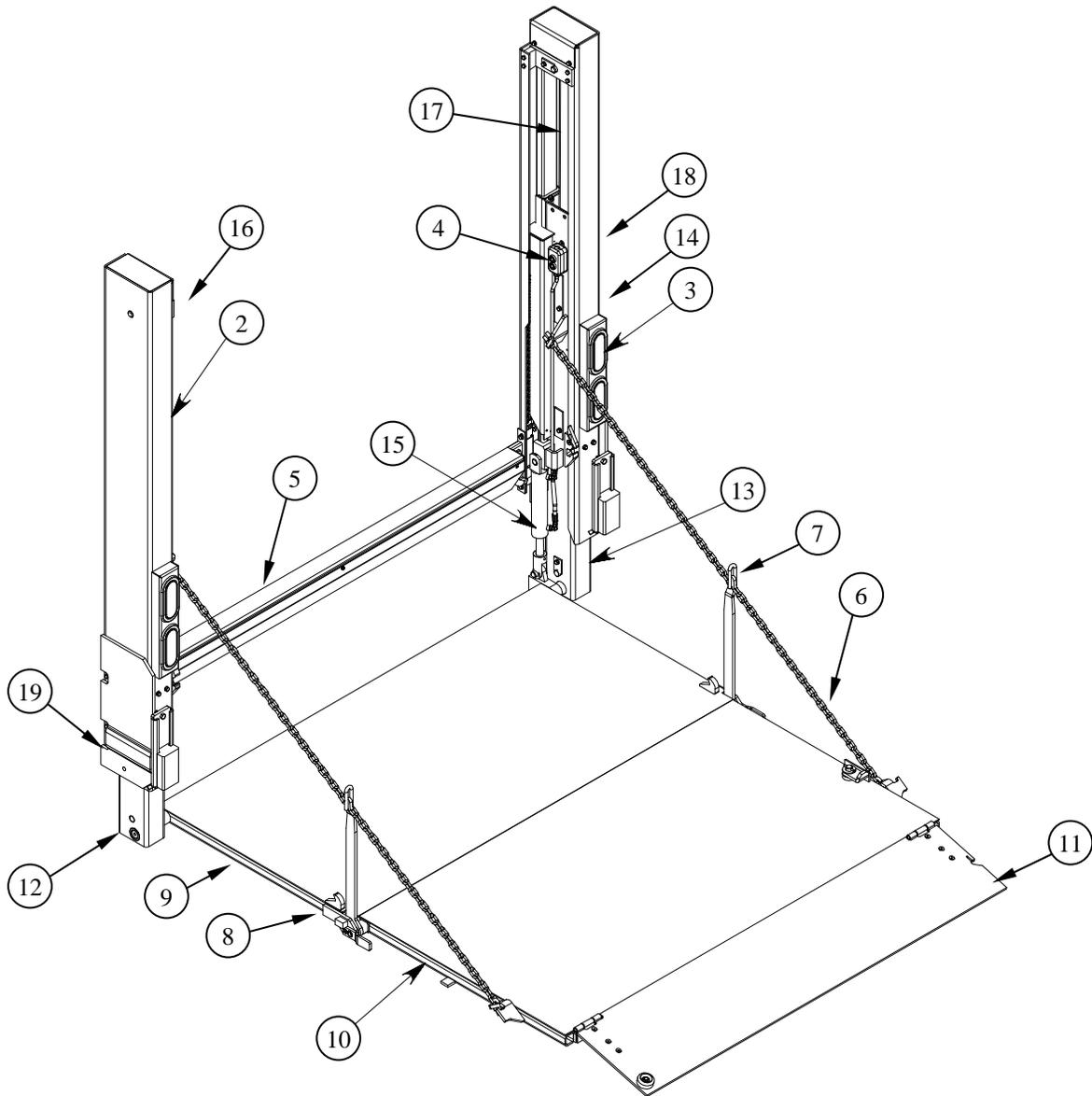
1-800-211-3074, 330-633-9191

Please visit our websites: <http://www.waltco.com> or <http://www.hiab.com>

We're behind you all the way!

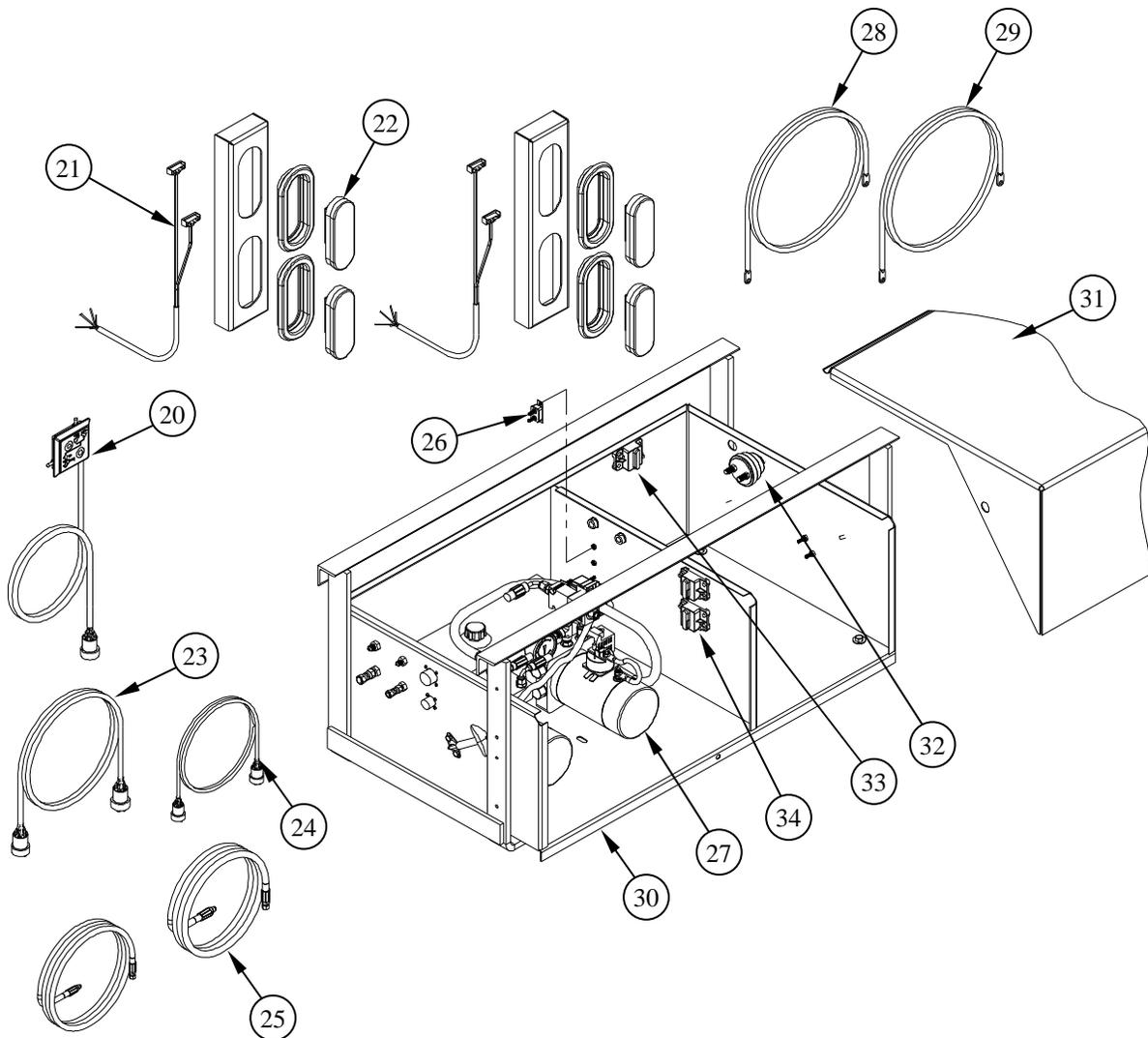
Chapter 2 Liftgate Terminology

- | | | |
|------------------------|------------------------|-------------------------------|
| 1. Street Side Upright | 7. Chain Linkage Bar | 13. Curb Side Runner |
| 2. Curb Side Upright | 8. Bottom Stop Catch | 14. Control Switches |
| 3. Lights | 9. Main Deck | 15. Closing Cylinder |
| 4. Inside Switch | 10. Deck Extension | 16. Street Side Lift Cylinder |
| 5. Sill Extension | 11. Folding Ramp | 17. Curb Side Lift Cylinder |
| 6. Support Chain | 12. Street Side Runner | 18. Specification Tag |
| | | 19. Dock Bumper |



Chapter 2 Liftgate Terminology

- 20. Control Switch
- 21. Light Wiring Harness
- 22. Lights
- 23. Control Switch Extension Wires (Optional)
- 24. Inside Switch Extension Wires (Optional)
- 25. Extension Hoses (Optional)
- 26. Circuit Breaker, 15A Control Switches
- 27. Power Unit Motor
- 28. Charging Battery Cable
- 29. Grounding Battery Cable
- 30. Power Unit/Battery Box
- 31. Box Cover
- 32. Master Disconnect
- 33. Circuit Breaker, Charge Line
- 34. Circuit Breakers, 150A



Chapter 2 Liftgate Terminology

35. Side Rail Assembly

36. Outer Guard Rail Assembly

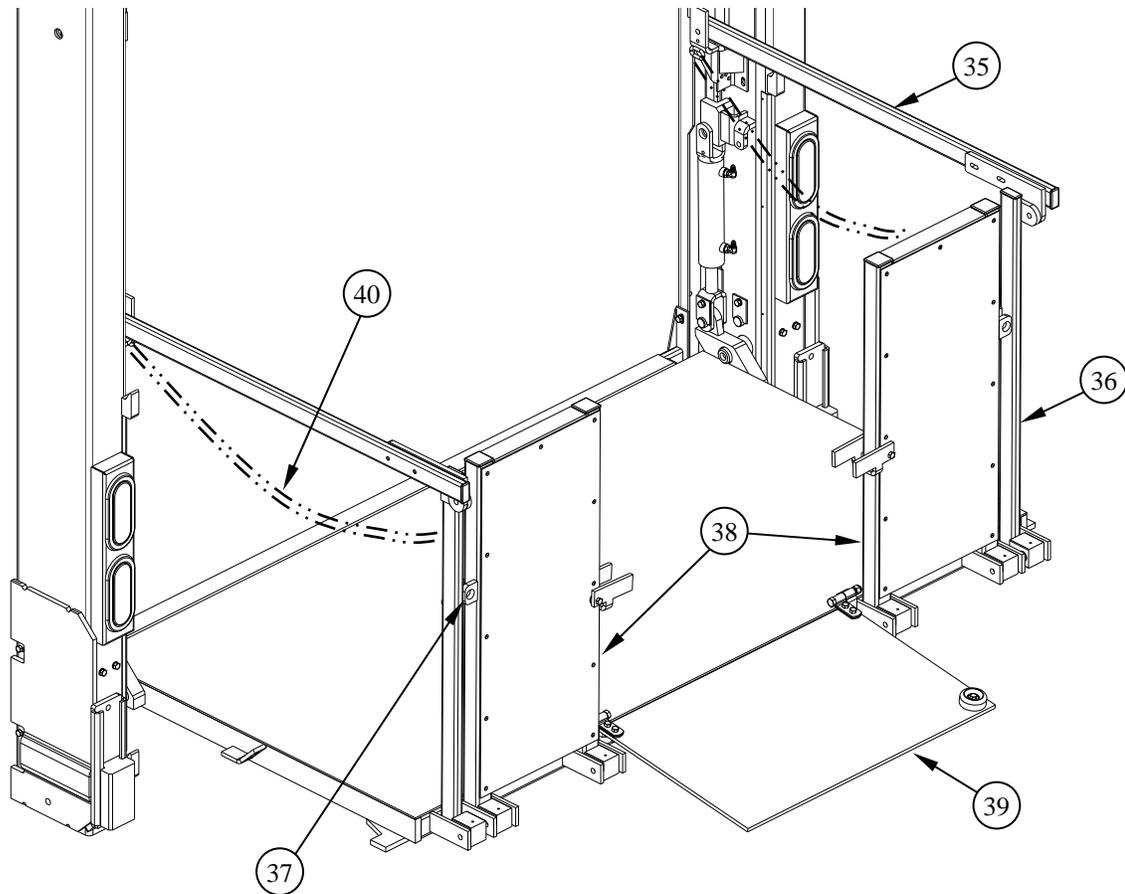
37. Guard Rail Latch Assembly

38. Inner Guard Rail Assembly

39. Ramp Assembly

40. Gas Bottle Retention Chain

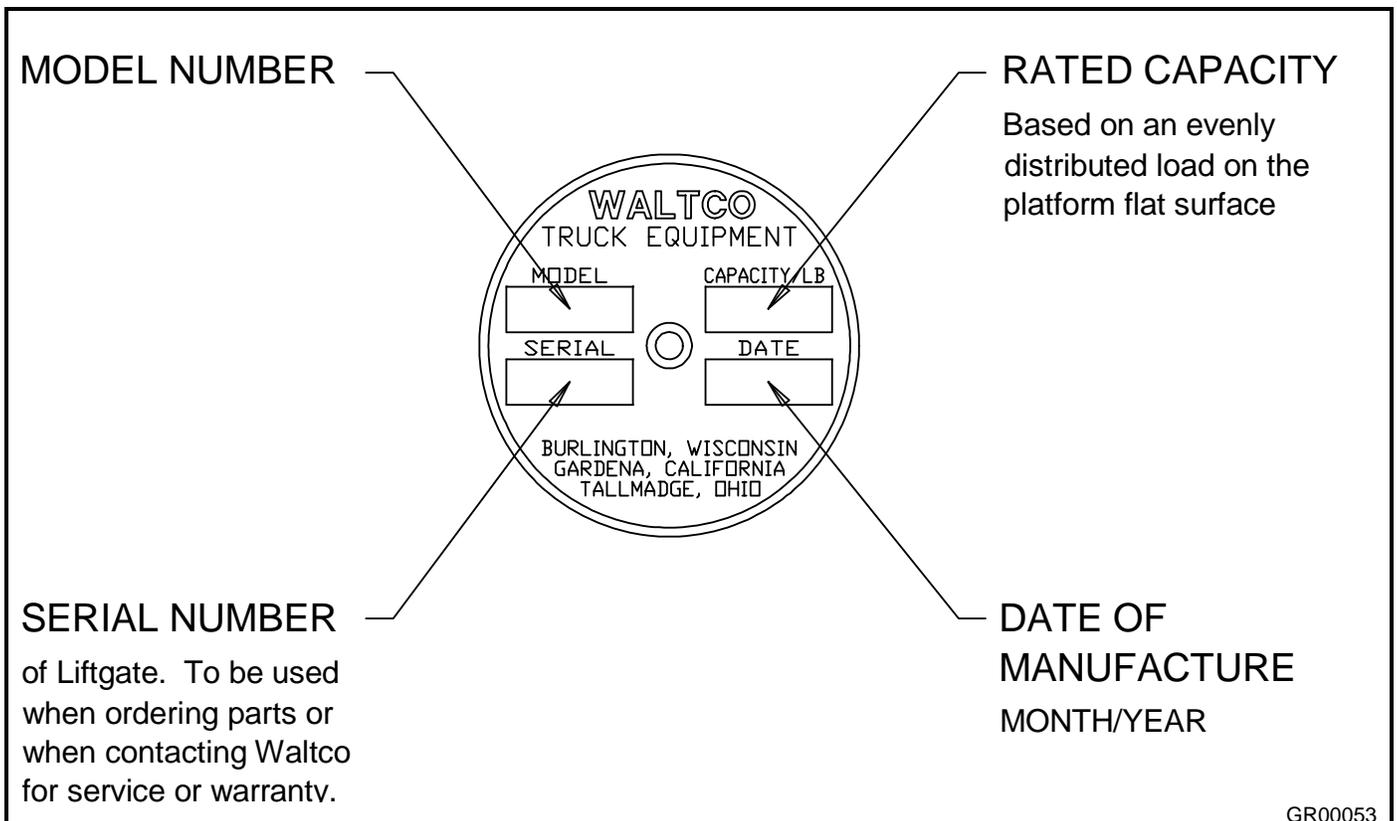
WDVBG



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Chapter 2 Liftgate Terminology

EXPLANATION OF SPECIFICATION TAG		
MODEL No.	DESCRIPTION	CAPACITY
WDVBG45	WDVBG-45 Series	4500 lb.
WDV35	WDV-35 Series	3500 lb.
WDV45	WDV-45 Series	4500 lb.
WDV55	WDV-55 Series	5500 lb.
WDV66	WDV-66 Series	6600 lb.

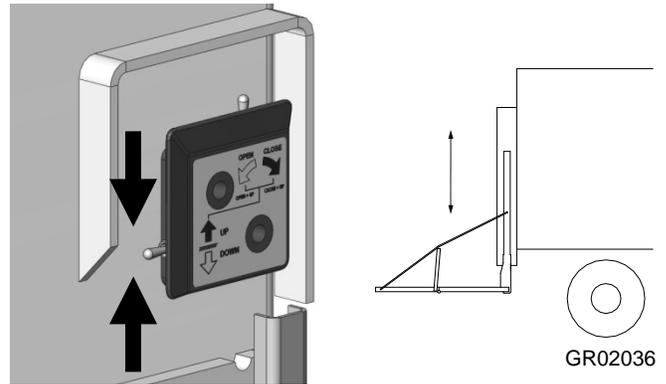


Chapter 3 Operation Instructions

RAISING AND LOWERING PLATFORM

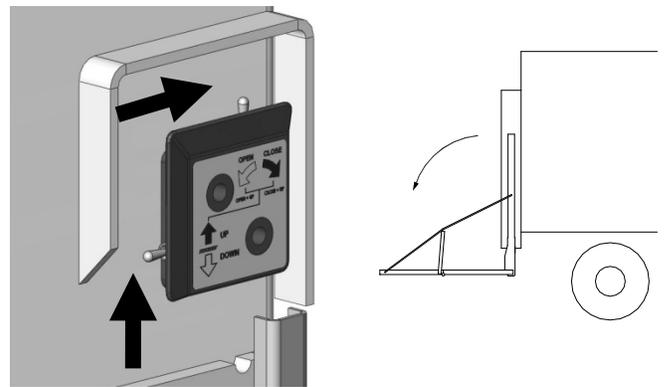
Using the "DOWN" toggle switch, lower platform for use.

Use the "UP" toggle switch to raise platform.



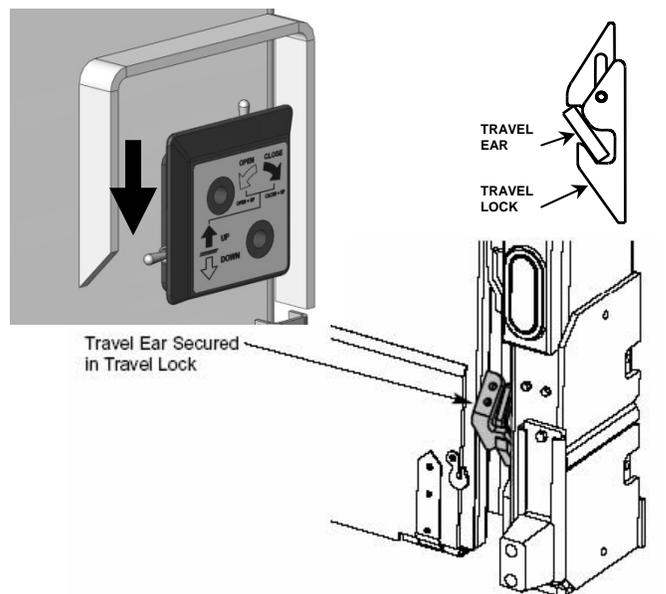
CLOSING PLATFORM

1. With the platform open, power platform all the way up.
2. Using the "UP" toggle switch and "CLOSE" toggle switch simultaneously, power close platform.



STORING PLATFORM FOR TRAVEL

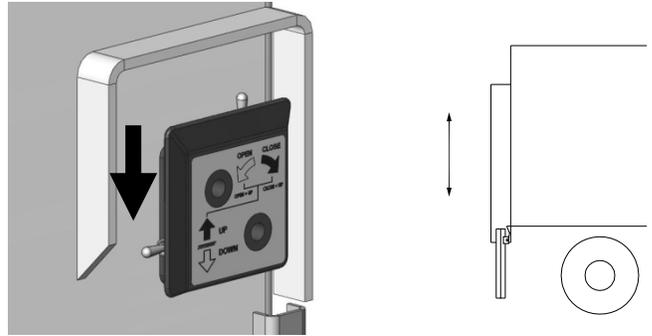
1. Using the "DOWN" toggle switch, power platform down past the Travel Lock.
2. Using the "UP" toggle switch, power platform up to lift the Lock Catch.
3. Power platform up until Travel Ear clears the Travel Lock slot.
4. Use the "DOWN" toggle switch to lower Travel Ear into the Travel Lock slot.
5. Turn off power to liftgate by turning the master disconnect switch, located on pump box, to the "OFF" position.



Chapter 3 Operation Instructions

LOWERING PLATFORM FOR DOCK LOADING

1. Turn on power to Liftgate by turning the master disconnect switch, located on pump box, to the "ON" position.
2. Using the "UP" toggle switch, power platform up so that it is completely out of the travel locks.
3. Using the "DOWN" toggle switch, power platform down until the platform is level with the truck floor and hit the Dock Stops.
4. When finished Dock Loading be certain to raise platform to travel position before pulling truck away from dock.



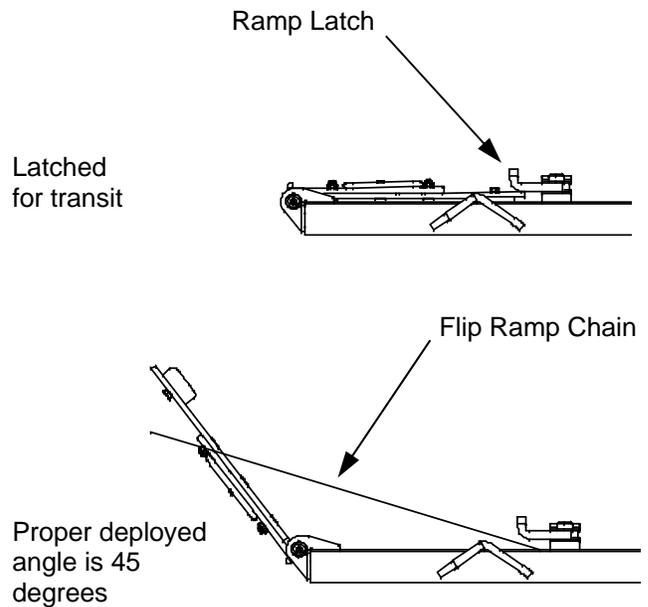
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FOLDING RAMP OPTION OPERATION INSTRUCTIONS

Unlatch ramp and unfold to loading position.

Use flip ramp chain for cart stop application.

Assure ramp is latched when in transit position.



Chapter 3 Operation Instructions

DUAL PUMP OPERATION INSTRUCTIONS

STANDARD ON WDV55 AND WDV66

The liftgate may be equipped with an optional Dual Pump Unit. The purpose of the Auxiliary Pump unit is to provide a backup in the event of a malfunction of the Primary Pump, Motor or Motor Solenoid.

The Auxiliary Pump is **NOT INTENDED FOR NORMAL OPERATION** of the liftgate. Liftgate must be repaired as soon as possible after a malfunction of the Primary Pump unit occurs.

TO OPERATE THE PRIMARY PUMP:

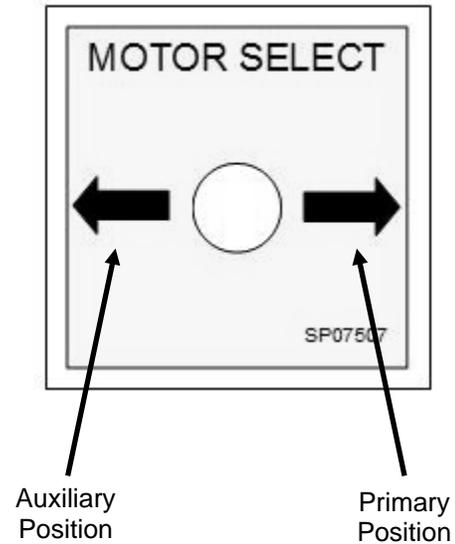
Move toggle switch on the pump to the "Primary Position".

Operate liftgate with controls on columns as usual.

TO OPERATE THE AUXILIARY PUMP:

Move toggle switch on the pump to the "Auxiliary Position".

Operate liftgate with controls on columns as usual.



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Chapter 3 Operation Instructions

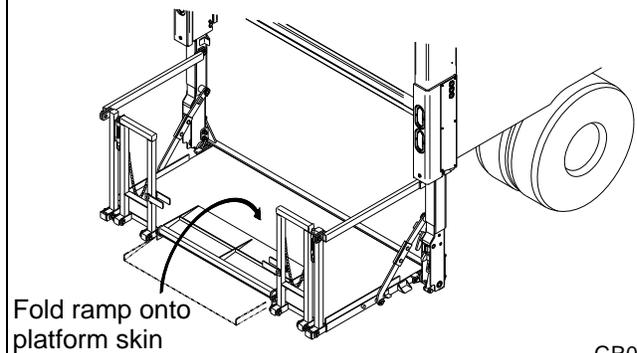
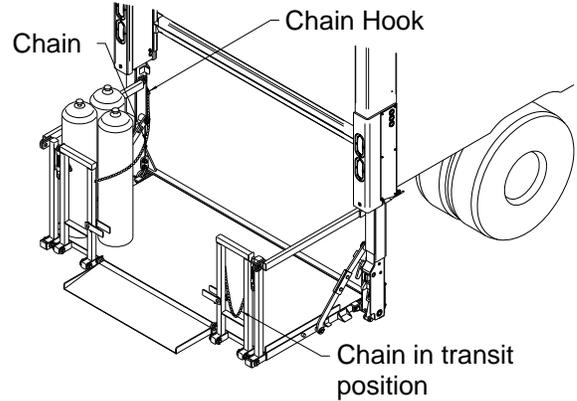
WDVBG SERIES OPERATION INSTRUCTIONS

The WDV Direct Lift Bottle Gas liftgate (WDVBG) is a modified version of the standard WDV liftgate specifically designed for the handling of tall loads such as cylinder gas bottles. Use the instructions given below for the proper operation of the WDVBG Series liftgates.

The securing of tall, relatively unstable loads can be accomplished by using the chains as shown.

After placing a load in position as shown, fasten chain snugly around load to Chain Hook on Runner.

After use, chains are then hooked to the Guard Rail and the ramp is folded onto the platform skin as shown for transit.

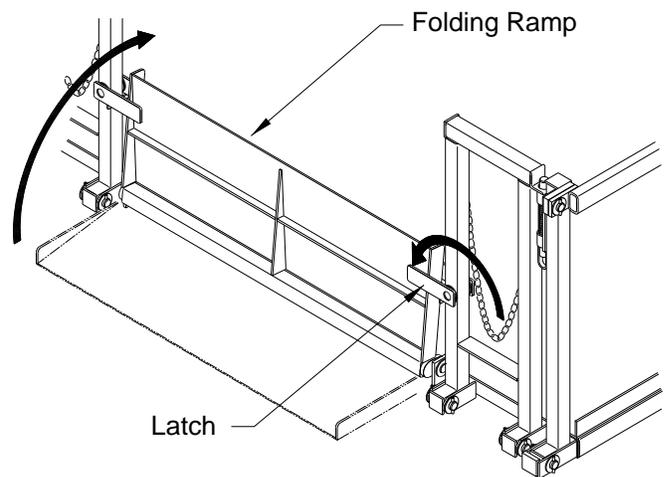


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WDVBG SERIES OPERATION INSTRUCTIONS

Another feature of the WDVBG is the Folding Ramp which may be used as a retaining device to prevent carts and similar devices from rolling off of the platform.

This is achieved by rotating the Latches located on the Guard Rails out of the way of the ramp between the Guard Rails as shown. Both Latches are then used to hold the Ramp in place.



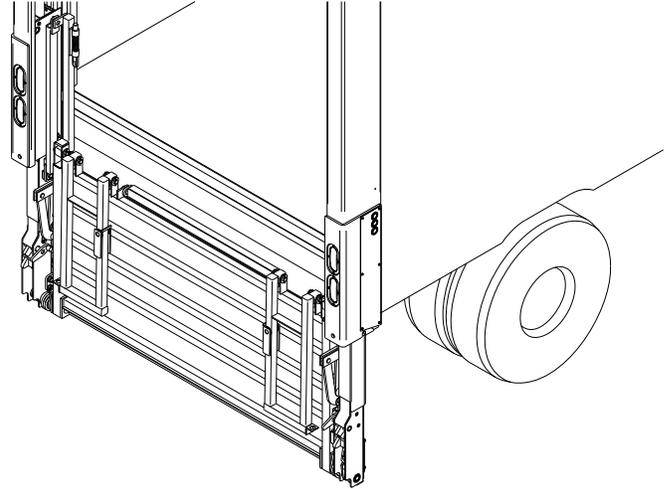
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Chapter 3 Operation Instructions

WDVBG SERIES OPERATION INSTRUCTIONS

If the vehicle is to be used for dock loading, the ramp is to be folded down onto the platform skin before raising the platform to the closed position (See Page 3-1 for closing platform instructions).

An additional feature of the WDVBG is that the Guard Rails can be folded down out of the way to increase the available opening width when dock loading as shown.



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Chapter 4 Preventive Maintenance

Waltco recommends that the WDV / WDVBG liftgate be inspected at 6 month or 3000 cycle intervals to help assure proper function and operation of the liftgate.

Note: Photocopy the following PM Checklist to help keep track of periodic maintenance on the liftgate. Keep completed form with maintenance records.

For more detailed instructions on the following checklist items, refer to the appropriate sections in this Owner's Manual.

Date: _____

1/9/2009

Inspection/PM performed by: _____

Trailer/Truck #: _____

Liftgate Serial #: _____ Liftgate Model #: _____

Check appropriate boxes below

Quarterly Inspection/PM Procedure				
Inspect Liftgate columns:				
OK	Repair Needed	Corrected	1	Inspect for any physical damage, twisted, bend, spreading, broken welds, top and bottom.
OK	Repair Needed	Corrected	2	Inspect for loose or missing bolts.
OK	Repair Needed	Corrected	3	Inspect that travel ear properly engages autolatch cam.
Inspect Liftgate dock bumpers:				
OK	Repair Needed	Corrected	4	Check for bent or broken steel bumper plates.
OK	Repair Needed	Corrected	5	Inspect that dock bumpers are tight against columns and break away welds are in tact.
OK	Repair Needed	Corrected	6	Inspect for missing or damaged slide pad.
Inspect Liftgate platform:				
OK	Repair Needed	Corrected	7	Inspect for loose nuts, bolts and roll pins (Main hinge pin bolt, folding hinge bolt, roll stop and flip ramp bolts.)
OK	Repair Needed	Corrected	8	ALUMINUM PLATFORM ONLY: Inspect that aluminum platform side plate bolts are tightened to 30 ft-lbs.
OK	Repair Needed	Corrected	9	Inspect for any signs of overload damage, cracked or broken welds.
OK	Repair Needed	Corrected	10	Inspect platform side chains, side chain hardware, side arm assembly, side attachment assembly for bent or missing parts.
OK	Repair Needed	Corrected	11	Inspect that platform is level with the vehicle floor in the fully raised position.
OK	Repair Needed	Corrected	12	Inspect folding hinges on platform and ramp for wearing. Platform should open flat with no dipping at center.
OK	Repair Needed	Corrected	13	On liftgates with roll stops, inspect that roll stop opens when retainer is disengaged. Clean out roll stop hinge and lubricate with silicon spray.
Inspect Liftgate runner assembly				
OK	Repair Needed	Corrected	14	Inspect for cracked or broken welds on hinge tube.
OK	Repair Needed	Corrected	15	Inspect that pins are secure by making sure the pin retainers are in place and the retainer bolts are not loose or missing.
OK	Repair Needed	Corrected	16	Inspect wear pads for wear and bracket for missing or broken bolts.
OK	Repair Needed	Corrected	17	Inspect runner for physical damage.

Chapter 4 Preventive Maintenance

Inspect Hydraulic and Electrical Components				
OK	Repair Needed	Corrected	18	Inspect for hydraulic leaks on cylinders, hoses and fittings
OK	Repair Needed	Corrected	19	Inspect hoses for fraying or cracking (especially where hoses enter or exit the housing cover and hose extension cover).
OK	Repair Needed	Corrected	20	Inspect that closing hoses are tracking properly and secured to liftgate column.
OK	Repair Needed	Corrected	21	Remove power unit enclosure cover and inspect that electrical connections are clean and secure – spray connections with dielectric coating.
OK	Repair Needed	Corrected	22	Inspect that fluid level in tank is 1" from the top with platform fully raised and open.
OK	Repair Needed	Corrected	23	Inspect for any visible oil leaks inside the power unit enclosure. (valves, hoses, and fittings.)
OK	Repair Needed	Corrected	24	Inspect power unit to make sure mounting is secure.
OK	Repair Needed	Corrected	25	Inspect that master disconnects switch works properly and battery connection are secure. Spray terminals with dielectric coating.
OK	Repair Needed	Corrected	26	Inspect circuit breaker for visual damage and ensure both motor and charge line circuit breakers are engaged. Spray terminals with dielectric coating.
OK	Repair Needed	Corrected	27	Inspect that battery connections including grounds are secure and clean. Spray terminals and connections with dielectric coating.
OK	Repair Needed	Corrected	28	Inspect entire length of battery cable (positive and ground) and exposed switch wires for chaffing.
OK	Repair Needed	Corrected	29	Load test battery and perform battery maintenance as needed.
OK	Repair Needed	Corrected	30	Inspect that battery hold downs are in place and properly tightened.
OK	Repair Needed	Corrected	31	Inspect toggle switches for damage to 1/2 rubber boot.
OK	Repair Needed	Corrected	32	Toggle to backup pump-motor and run liftgate through five complete up/down, open/close cycles to verify proper operation of backup system. Alarm should sound when running on backup motor.
Final Inspection				
OK	Repair Needed	Corrected	33	Run gate through two entire cycles with platform open to make sure there is no unusual noise.
OK	Repair Needed	Corrected	34	Inspect that raising and lower speeds are within 15-22 seconds (Based on a 50" bed height.)
OK	Repair Needed	Corrected	35	Run gate through one cycle of the power open and close operation.
OK	Repair Needed	Corrected	36	Inspect that opening and closing speeds are within 6-9 seconds.
OK	Repair Needed	Corrected	37	Run gate up to stored position, make sure platform lock works properly.
OK	Repair Needed	Corrected	38	Inspect that all decals are in legible and in the correct location.

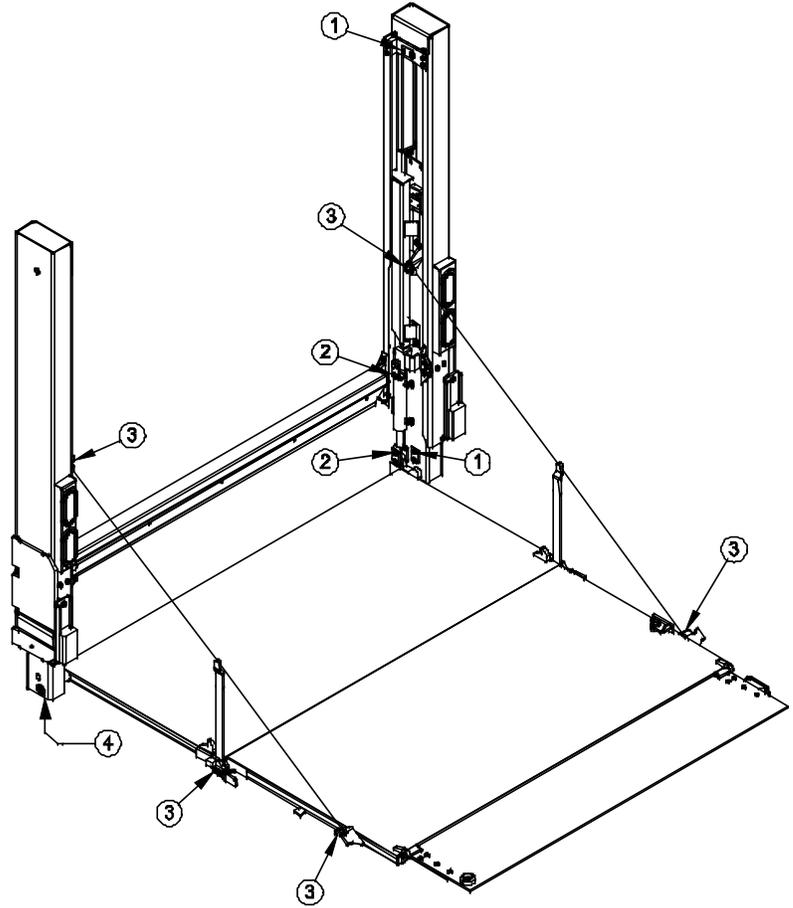
Annual Inspection/PM Procedure (Includes items 1-36 in Quarterly Inspection/PM procedure)				
OK	Repair Needed	Corrected	39	Inspect platform hinge block/tube bushing (removal of platform required).
OK	Repair Needed	Corrected	40	Remove motor inspection cap and check brushes for even wear and remaining life. Blow out brush.
OK	Repair Needed	Corrected	41	Change hydraulic fluid.

Notes:

Chapter 4 Preventive Maintenance

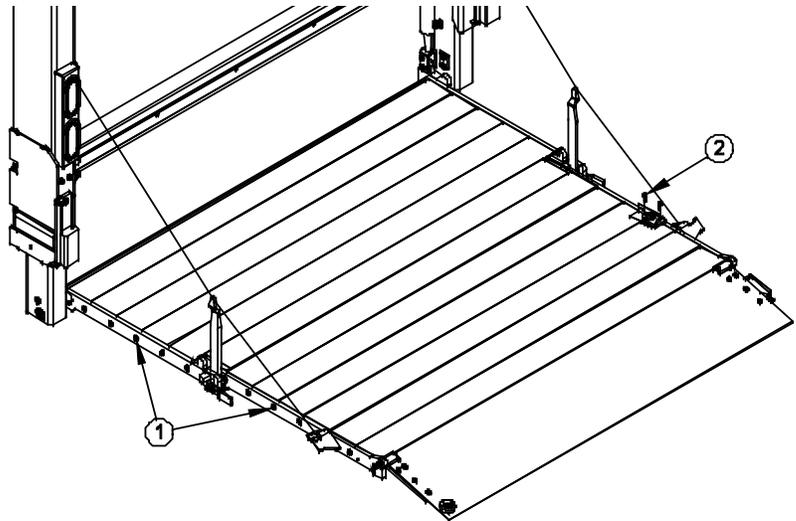
Check that all bolts, fasteners and pins are tight and secure:

1. All Cylinder Pin bolts.
2. Lower Closer Cylinder Clevis bolt.
3. Linkage anchor bolts on platform and support chains.
4. Platform Hinge Pin Bolts.



If liftgate has Aluminum Platform, check additional bolts, fasteners and pins are tight and secure:

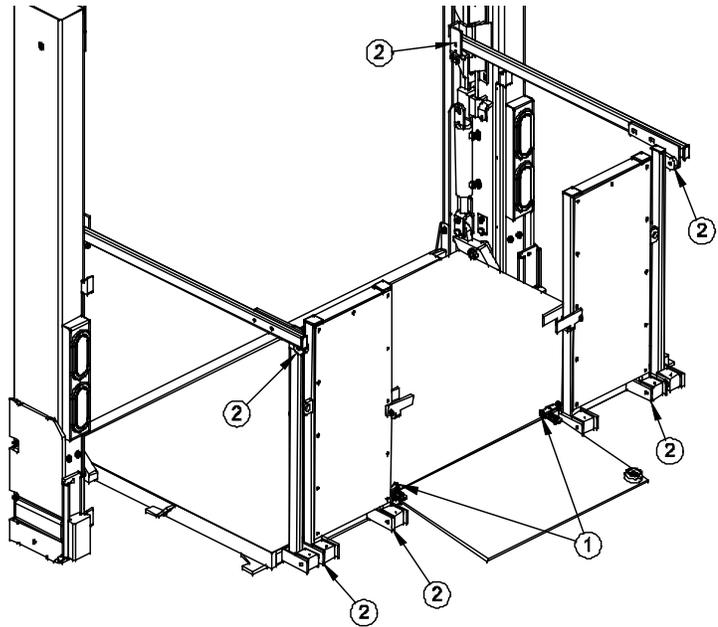
1. All Platform Side Rail bolts (to have Torque of 30 ft-lbs).
2. All Ramp attachment bolts.



Chapter 4 Preventive Maintenance

If liftgate is WDVBG, check additional bolts, fasteners and pins are tight and secure:

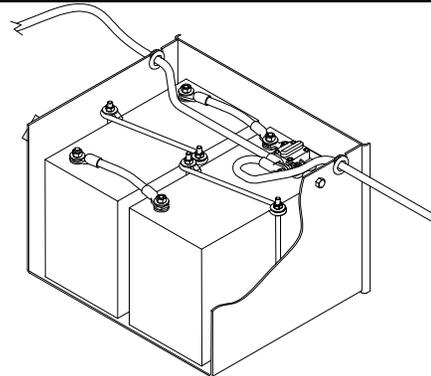
1. Platform Ramp Hinge Pins and Hinge Plates.
2. All Guard Railing Pivot points.



CHECK BATTERIES

Check electrolyte level of batteries.

Check that all wiring and battery cable connections are tight and free of corrosion.



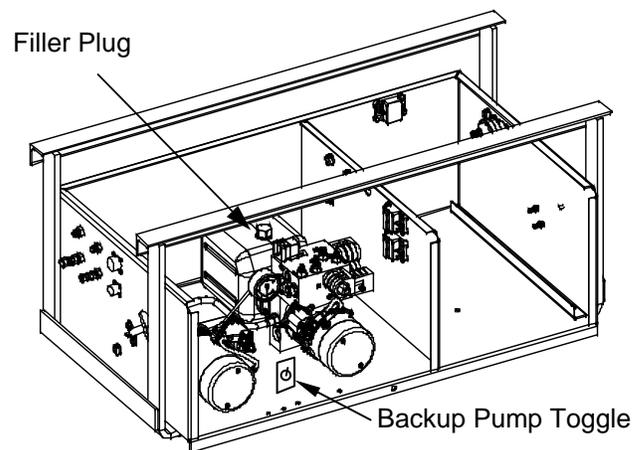
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CHECK OIL LEVEL

Check that hydraulic reservoir is filled to within 1/2" from the top with platform fully raised and open.

WDV55, WDV66 & BACKUP PUMP-MOTOR OPTION

Toggle to backup pump-motor and run liftgate through five complete up/down, open/close cycles to verify proper operation of backup system. Alarm should sound when running on backup motor.



Chapter 4 Preventive Maintenance

Recommended Fluids

Temperature Range	Acceptable Fluids
-10° to 195° F	Mobil DTE 13M Shell Tellus 32T
-25° to 140° F	Mobil DTE 11M Shell Tellus 15T
-40° to 145° F	Mobil Aero HFA Exxon Univis HVI 13
-45° to 200° F	Exxon Univis HVI 26

A good quality SAE 10W motor oil may also be used in temperatures above 32° F.

Reservoir

- Fill with recommended fluid or equivalent.
- Fill the reservoir to within 1/2" from the top with platform fully raised and open.

IMPORTANT:

Do not use the following fluids:

- Brake Fluid**
- Power steering fluid**

LUBRICATION INSTRUCTIONS

Please refer to Chapter 6 of the Manual for Lubrication Instructions.

ANNUAL INSPECTION

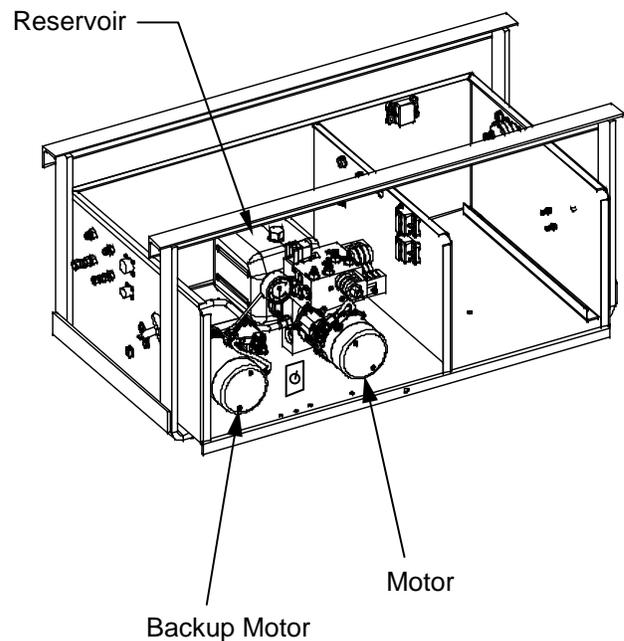
Perform procedures outlined in semi-annual inspection.

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.

To replace Hydraulic Fluid:

- 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 1/2" from the top with platform fully raised and open.



Chapter 4 Preventive Maintenance

Recommended Fluids

Temperature Range	Acceptable Fluids
-10° to 195° F	Mobil DTE 13M Shell Tellus 32T
-25° to 140° F	Mobil DTE 11M Shell Tellus 15T
-40° to 145° F	Mobil Aero HFA Exxon Univis HVI 13
-45° to 200° F	Exxon Univis HVI 26

A good quality SAE 10W motor oil may also be used in temperatures above 32° F.

Fill reservoir

- Fill with recommended fluid or equivalent.
- Fill the reservoir to within 1/2" from the top.

IMPORTANT:

Do not use the following fluids:

- Brake Fluid**
- Power steering fluid**

LUBRICATION INSTRUCTIONS

Please refer to Chapter 6 of the Manual for Lubrication Instructions.

ANNUAL INSPECTION

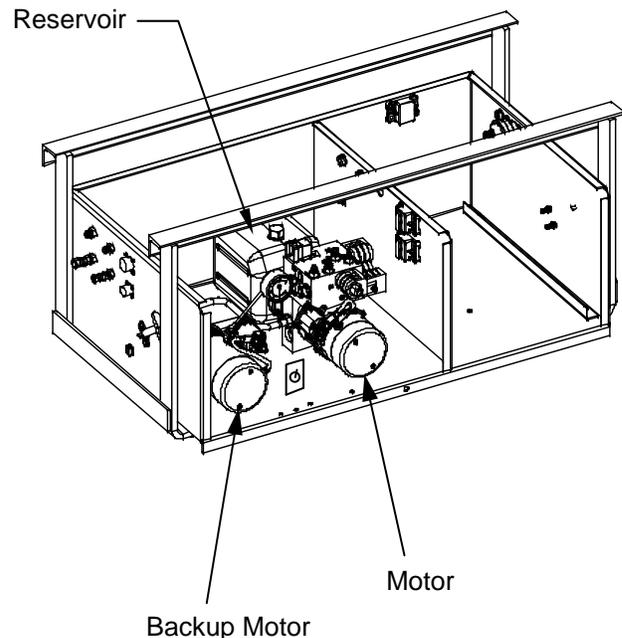
Perform procedures outlined in semi-annual inspection.

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.

To replace Hydraulic Fluid:

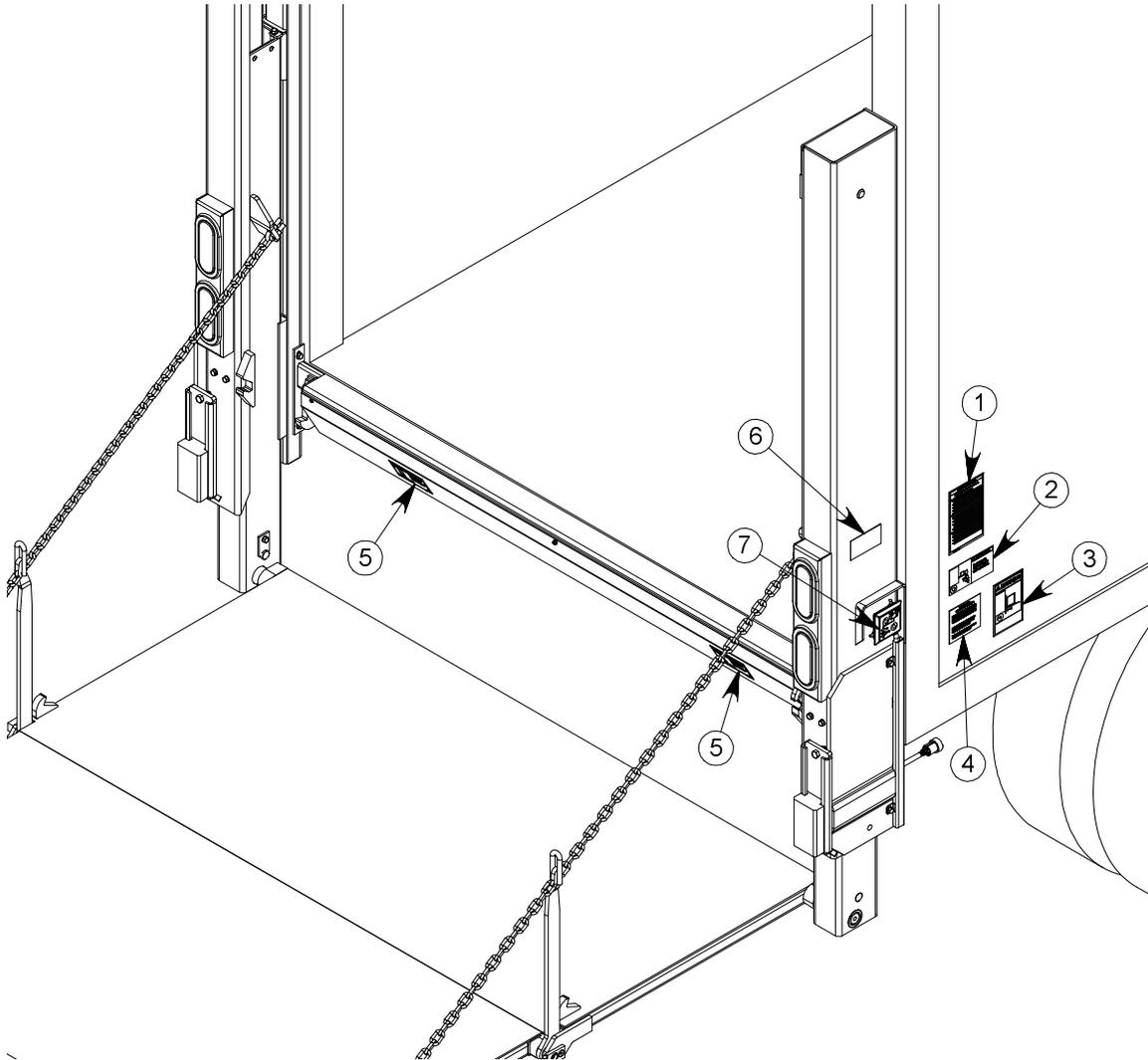
- Open platform and lower to ground.
- Drain oil from hydraulic system using drain port located on bottom of reservoir and flush entire system.
- Fill reservoir to within 1/2" of top of reservoir.



Chapter 5 Placement of Decals

Properly placed warning decals are an essential part of your safety program. Check that all safety decals are in place and are legible. Any missing decals **MUST** be replaced immediately. Replacement decals may be obtained **FREE** of charge from your distributor or by phoning, writing, or faxing us.

Following are the proper decals that you should have and their proper locations. The decals shown on truck/trailer body can also be placed on curb side liftgate column and dock bumper.

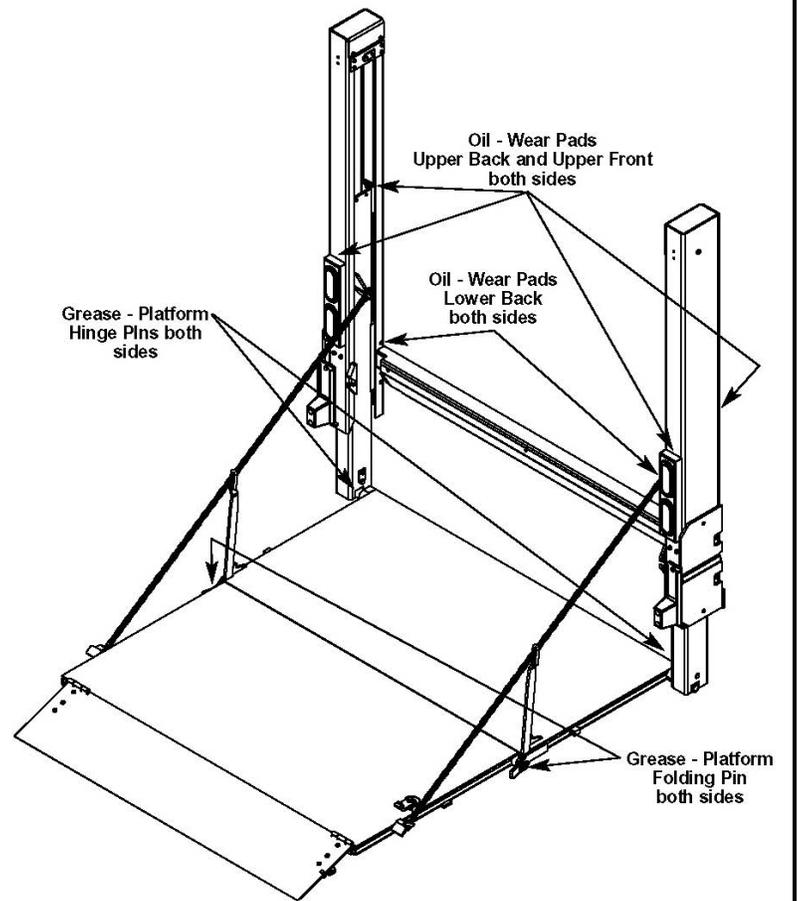


ITEM #	DESCRIPTION	WDV35	WDV44	WDV55	WDV66	QTY
1	OPERATING INSTRUCTIONS			68845		1
2	WARNING, KEEP CLEAR			20425		1
3	WARNING, MAX. CAPACITY	68846	68217	68847	20875	2
4	URGENT WARNING			16181		1
5	DANGER, LIFTGATE CAN CRUSH			16184		2
6	SAFETY, OPEN AND CLOSE			68683		1
7	OPEN AND CLOSE DECAL			68945		1

Chapter 6 Lubrication

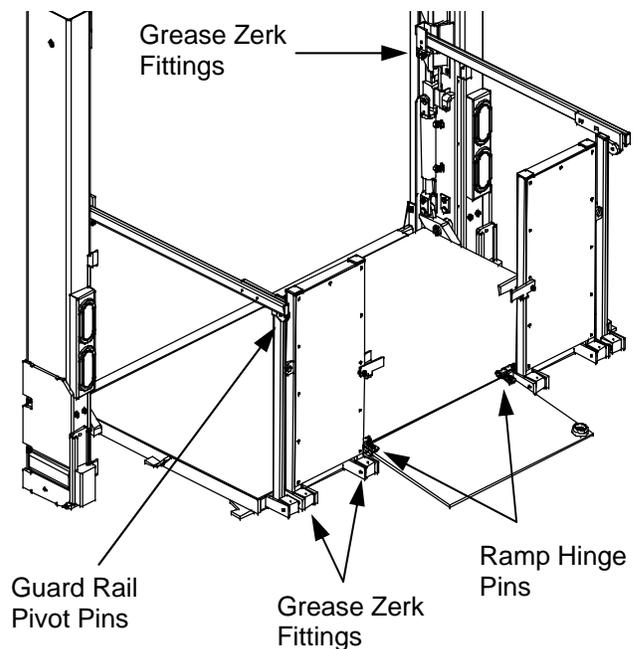
LUBRICATION INSTRUCTIONS

The following areas ONLY should be lubricated approximately once a month, or as outlined in the lubrication scheduled for heavier usage. If not sure of duty or cycles, always lubricate more frequently.



If the liftgate is a WDVBG, the additional points on the liftgate that require lubrication are the points indicated in the graphic to the right. These should be lubricated approximately once every three (3) months.

- Use a light weight machine oil to lubricate all Ramp and Guard Rail Pivot Pin areas as shown to the right.
- Grease Guard Rail Pivot Pins where zerk fittings are provided.



Chapter 7 PMs & Schematics

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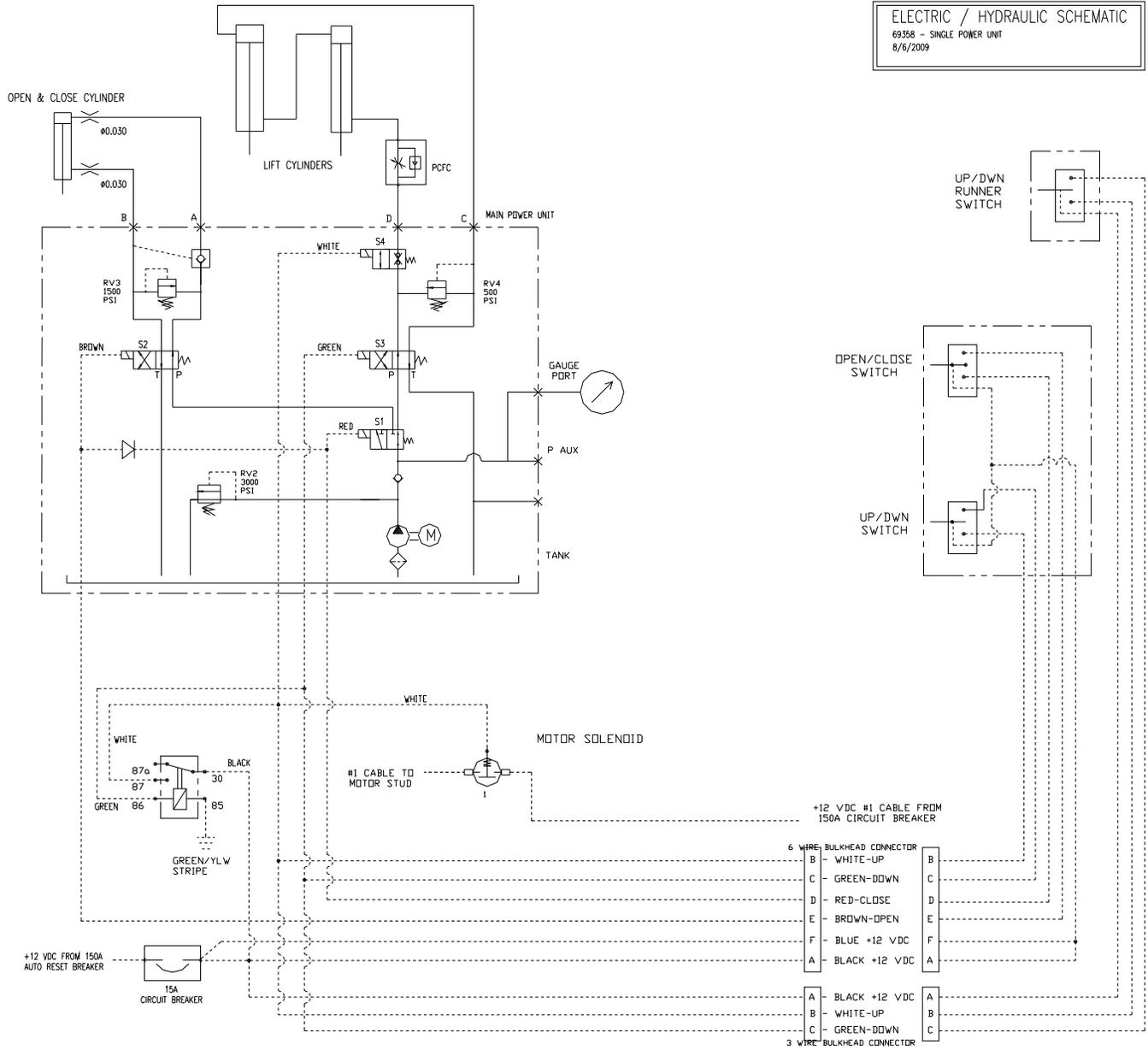
SINGLE POWER UNIT SCHEMATIC 7-2

DUAL PUMP/MOTOR WITH BACKUP/AUXILARY SCHEMATIC..... 7-3

Chapter 7 PMs & Schematics

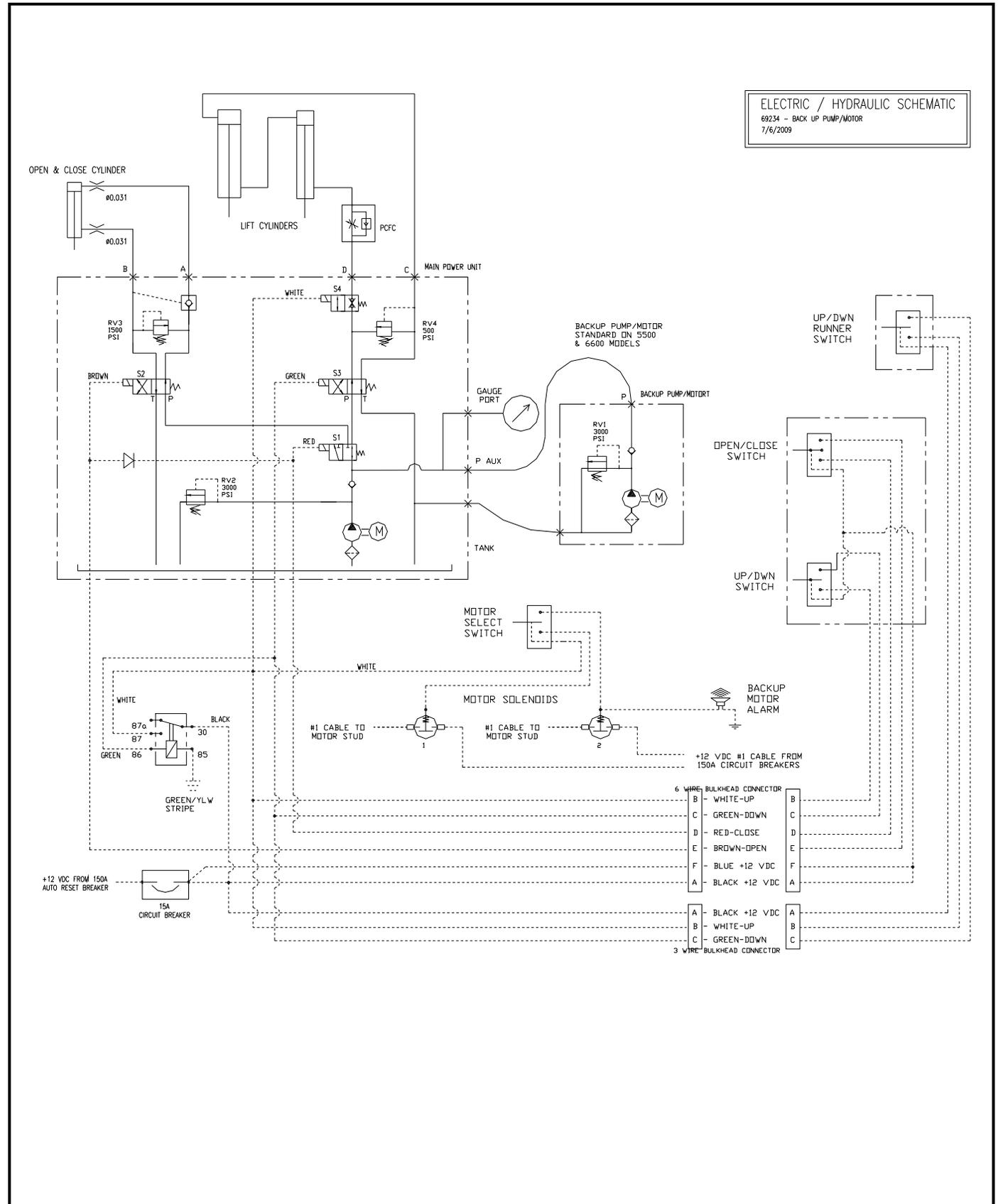
SINGLE POWER UNIT SCHEMATIC

ELECTRIC / HYDRAULIC SCHEMATIC
69358 - SINGLE POWER UNIT
8/6/2009



Chapter 7 PMs & Schematics

SINGLE POWER UNIT 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 Lift Corp.
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.

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.