

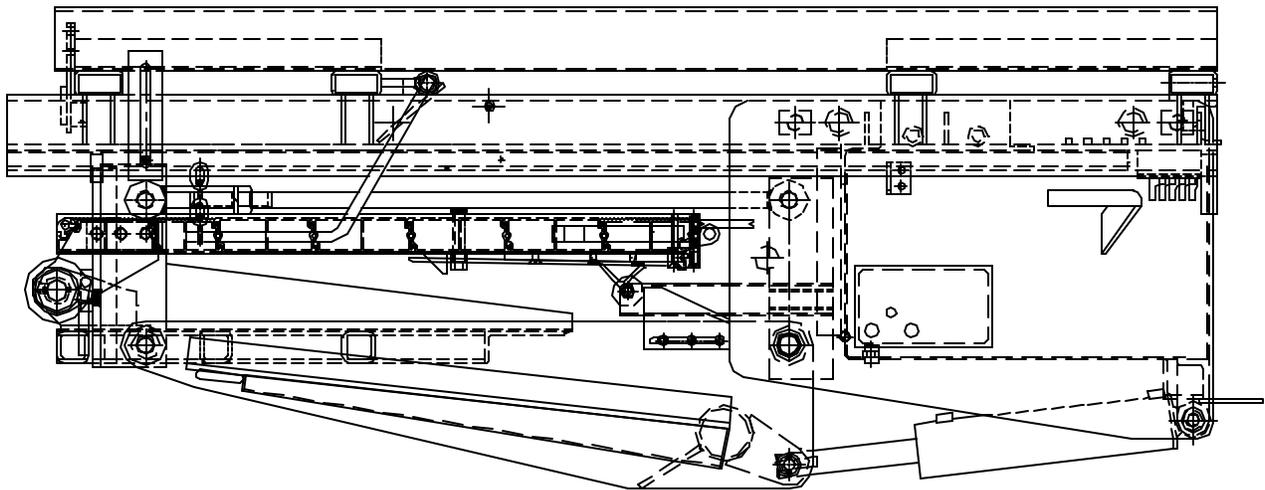


Installation Manual

LPR4500RB Hide-A-Way[®]

LPR45RBSR Hide-A-Way[®]

Trailer Rear Gate



LEYMAN MANUFACTURING CORPORATION

10900 Kenwood Road

Cincinnati, OH 45242

1-866-LEYMAN-1 • 1-866-539-6261 • 513-891-6210

Fax 513-891-4901

www.leymanlift.com

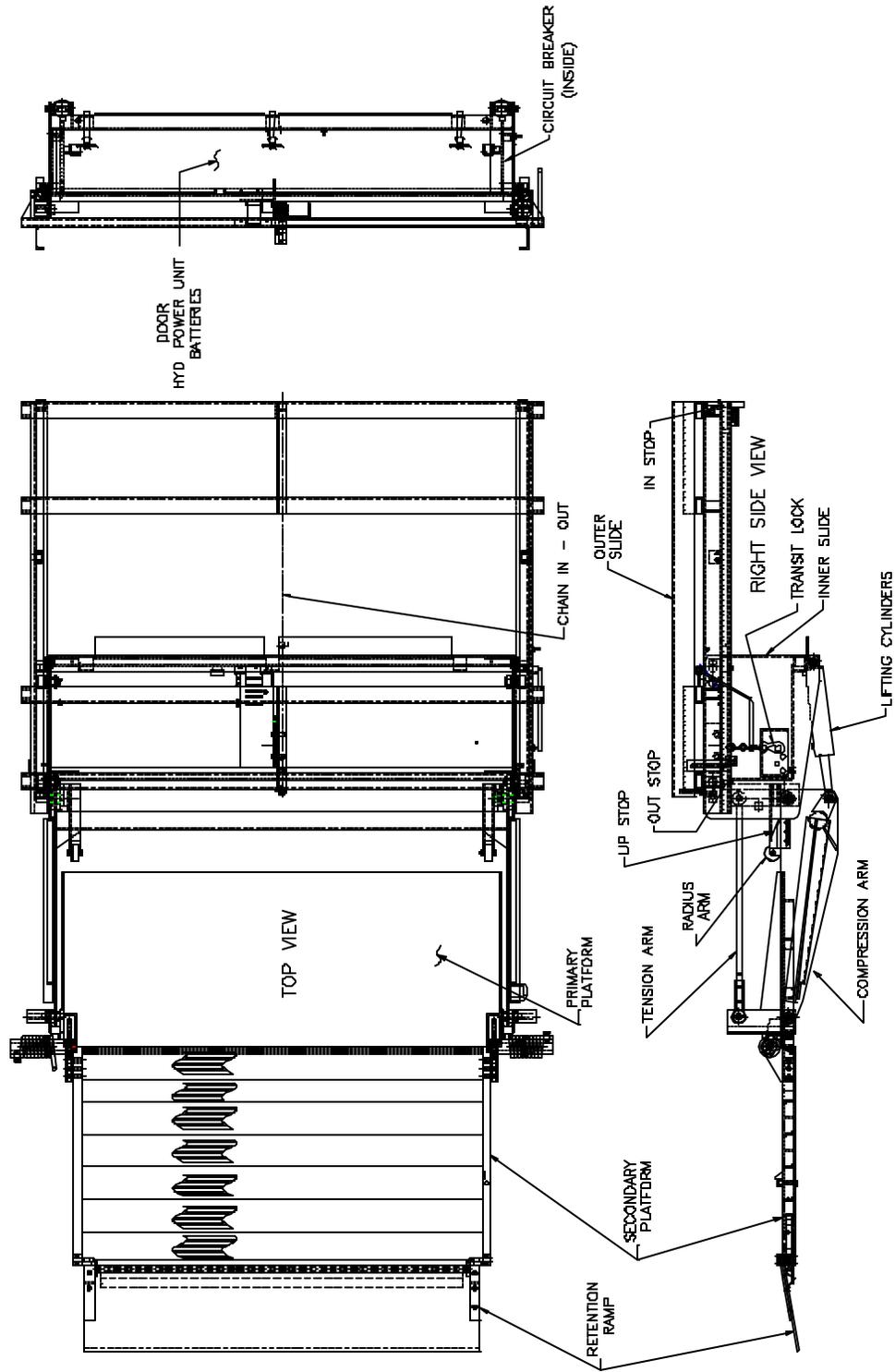
sales@leymanlift.com

LML00445-10/18/11

TABLE OF CONTENTS

General Terminology	2
Before You Install the Lift Gate	3
General Specifications – Min. Mounting Space Requirements	4
Pre-Installation of the Lift Gate	5
Rear Mounting Dimensions	6-7
Installation of the Lift Gate	8-9
Installation Adjustments	10-11
Circuit Breaker Wiring Diagram	12
Wiring Diagram & Basic Electrics	13-14
Standard Toggle Switch Wiring	15
Toggle Switch Wiring w/ Pushbutton	16
Grounding Recommendations	17
Charge Line	18
Recommended Oils and Lubrication	19
Emergency Hand Pump	20
Lift Gate Operating Instructions	21
Operating the Emergency Hand Pump	22
Maintenance Minder 2®	23-25
Installation of Safety Decals	26
Final Installation Inspection	27
Notes	28

GENERAL TERMINOLOGY



BEFORE YOU INSTALL THE LIFT GATE

1. Check the lift gate for shipping damage.
2. If the gate was shipped vertically, to move the gate, insert forks under large tube on Compression Arm. **CAUTION – DO NOT INSERT FORKLIFT FORKS AT BOTTOM OF GATE NEAR DOOR.** Remove the shipping bands, etc. To set lift gate horizontal, chain or lash top cross tube near chain anchor.
3. Remove the box, open and read the Installation manual. Check that all major parts have arrived, such as the UP / DOWN switches, and optional items such as mud flap.
4. Inspect the area under the trailer where the lift gate is to be mounted. Be sure the area is clear of obstructions where the lift gate will be installed. Check the cross member material. If the cross members are aluminum, Conversion Mounting Kit (Option #133LPR) must be ordered and used to mount the lift gate.
5. The use of a battery charger as the sole power source to operate the lift gate is unauthorized and will prevent the lift gate from working properly. The lift gate must always be operated in conjunction with at least two (2) 12-volt heavy-duty liquid electrolyte dual purpose or AGM lift gate batteries. A minimum of 10.5 volts must be maintained in order for the valves to operate.
6. Read the following pages prior to beginning the installation.
 - A. Minimum mounting space requirements.
 - B. Pre-installation of the lift gate.
 - C. Installation of the lift gate.
 - D. Installation adjustments.

GENERAL SPECIFICATIONS

CUSTOMER:

MODEL: LPR

CAPACITY: 4500 lbs.

TYPE: Trailer Rear Door Lift Gate

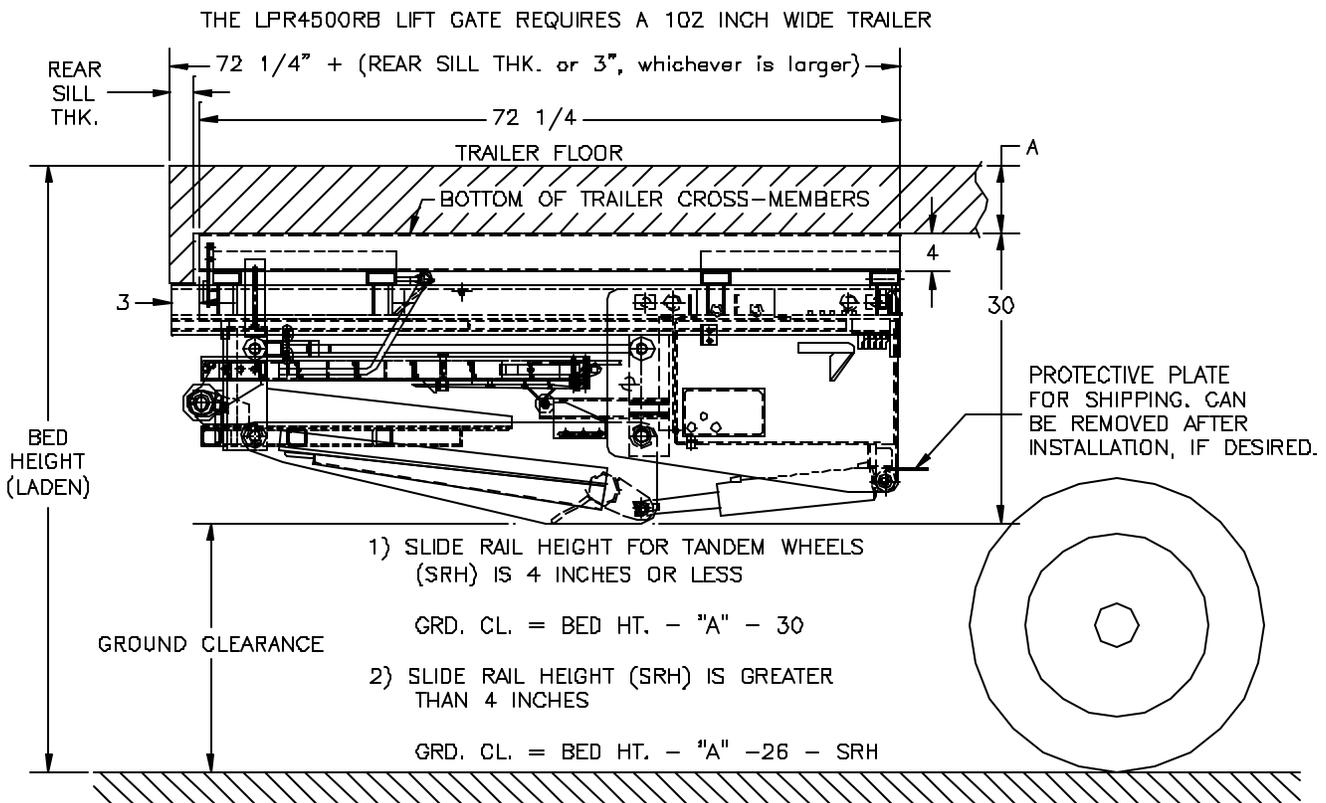
HYDRAULIC PRESSURE: 2500 PSI – Up Function
800 PSI – In/Out Function

OPERATION: Power up/Gravity down
Power in/out

SERIAL #:

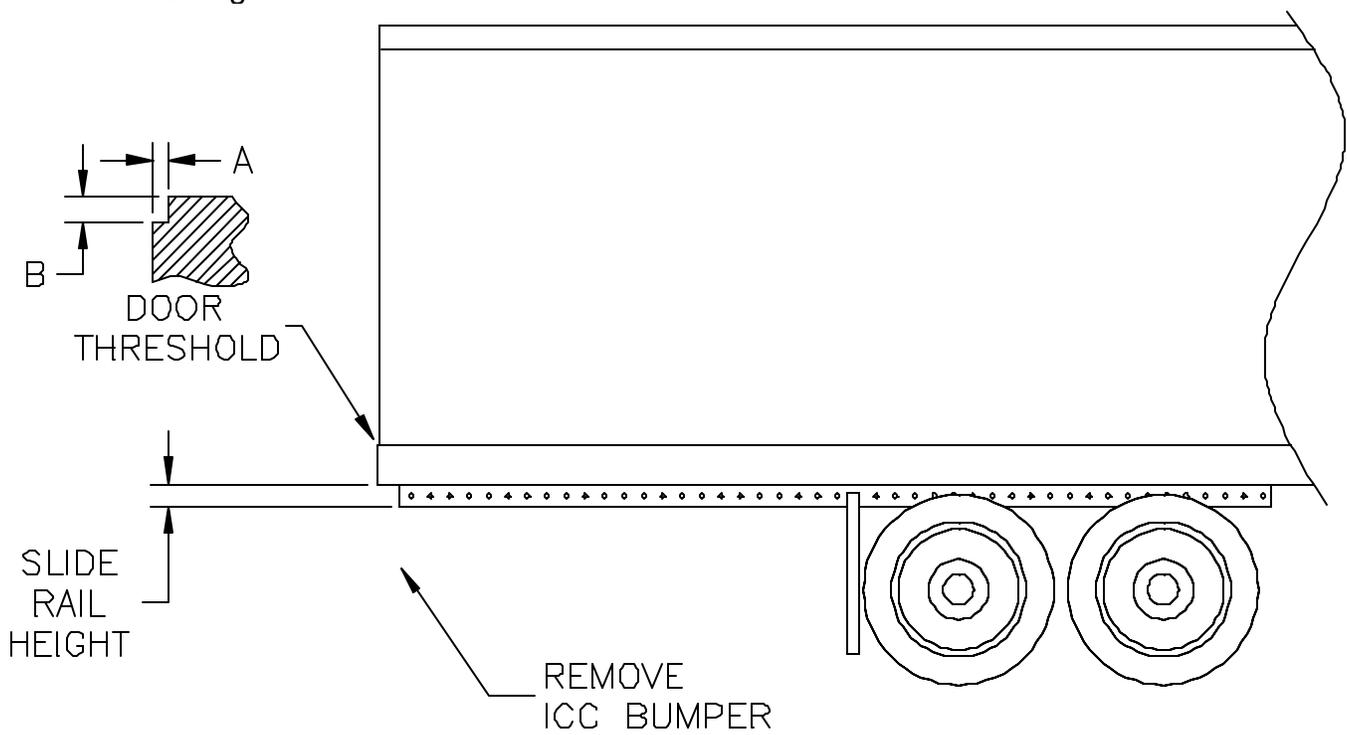
MINIMUM MOUNTING SPACE REQUIREMENTS

MINIMUM SPACE REQUIRED TO INSTALL THE LPR4500 SERIES GATE:

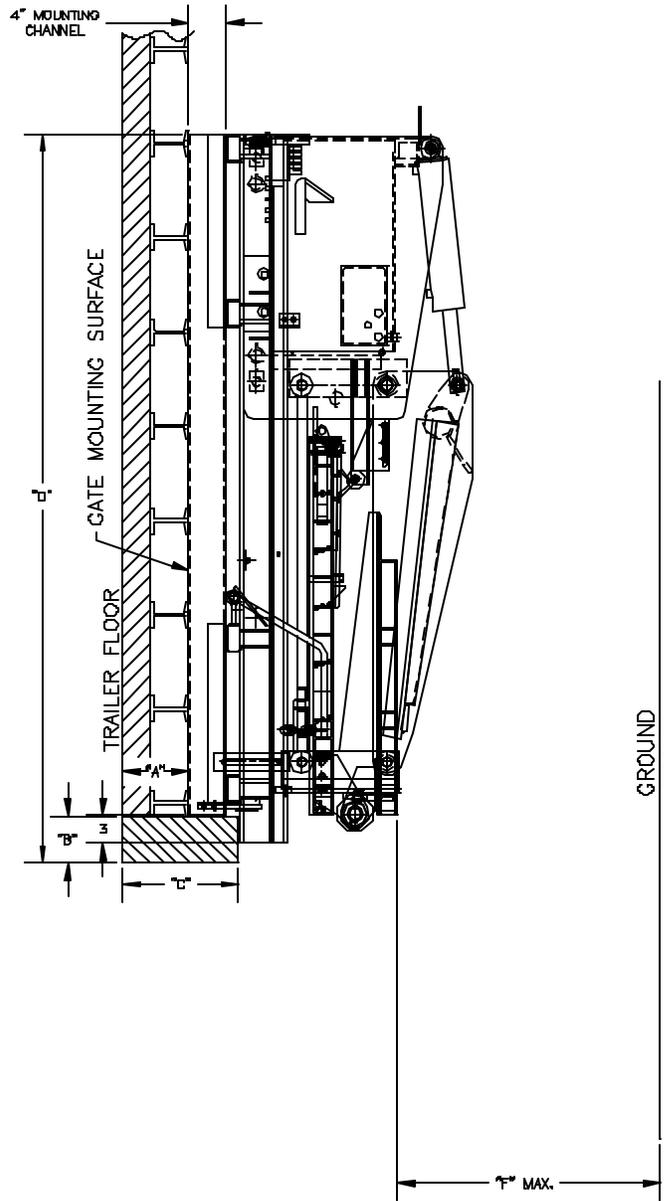
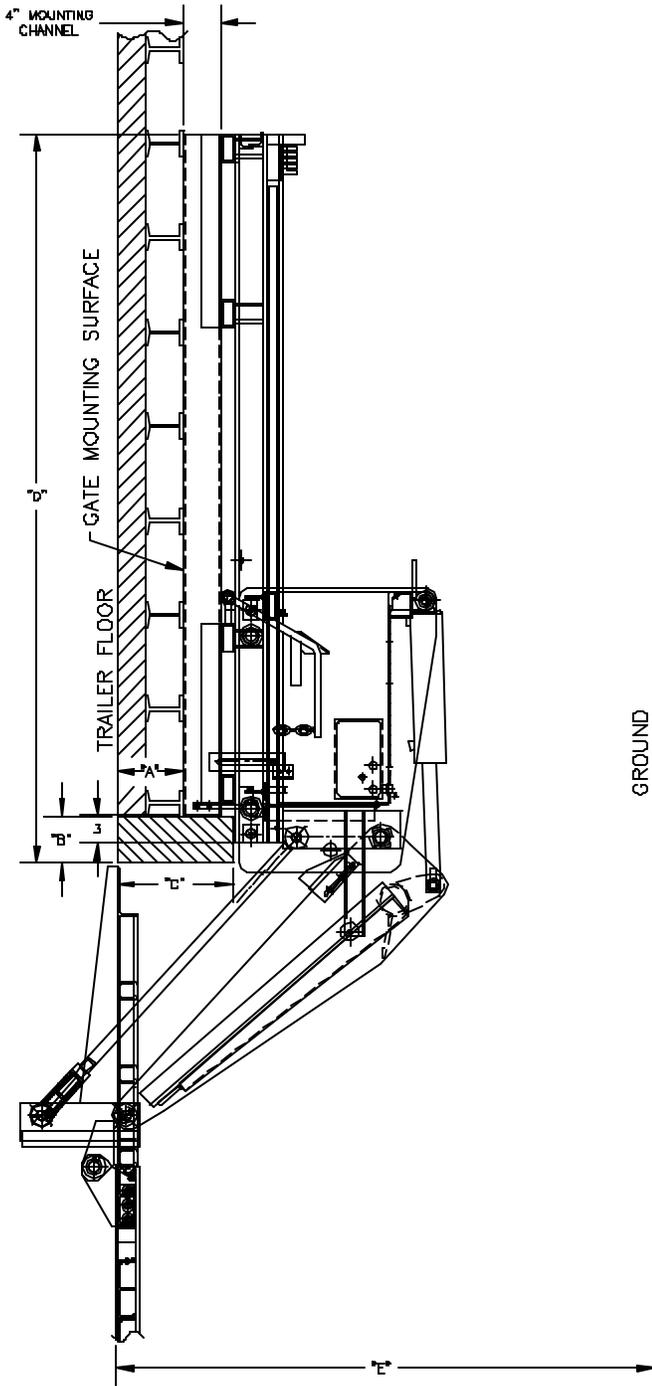


PRE-INSTALLATION OF THE LIFT GATE

1. Verify the required space is available behind the rear tandem wheels for mounting the LPR lift gate. See the diagram at the bottom of page 4. Also check for adequate ground clearance using the information at the bottom of page 4.
2. The ICC bumper at the rear of the trailer must be removed. Since the LPR lift gate occupies the space for the ICC bumper in the stored position, no bumper is necessary. However, the LPR lift gate assembly itself does meet the strength and energy absorption requirements of FMVSS 223 for rear impact guards. To properly utilize this feature, the stored height of the steel platform must be adjusted within a maximum allowable dimension during installation.
3. Measure the slide rail height for the tandem wheels. See sketch below. The LPR4500RB lift gate has mounting channels that are 4" tall. Therefore, if the slide rail height is 4" or less, the lift gate will clear the slide rails. If the slide rail height is greater than 4", then spacer tubes must be added at the top of the mounting channels on the lift gate. Spacer tubes are NOT supplied by Leyman.
4. Check the door threshold area. See Sketch below. For the platform to properly enter the opening, dimension "B" must be at least 1.5 times dimension "A". If the door threshold has no step at all, that is ideal. The LPR4500RB lift gate can be mounted on a trailer with overhead door or swing doors.



REAR MOUNTING DIMENSIONS



REAR MOUNTING DIMENSIONS (Cont.)

A = Trailer Floor to Gate Mounting Surface. (Gate Mounting Surface is the bottom of trailer cross members, or the bottom of the spacer tubes, if spacer tubes are needed. See Item 3 on page 5)

B = Rear Sill Thickness below cross members

C = Rear Sill Height

D = Space in front of the Rear Sill required to mount the lift gate

E = Bed Height (unladen)

F = Maximum platform height (stored), if FMVSS 223 & 224 (USA) or CMVSS 223 & 224 (Canada) Rear Impact Guard requirements must be met. Note, Fmax is met by adjusting the Stored Position UP Stop, which is covered later in the installation.

A	B max	C max	D	E max	F max
5	6-3/4	10-1/4	See below	54	22
6	5-7/8	11-1/4	See below	55	22
7	5	12-1/4	See below	56	22
8	4	13-1/4	See below	57	22
9	3	14-1/4	See below	58	22

If **B actual** is less than or equal to 3", then:

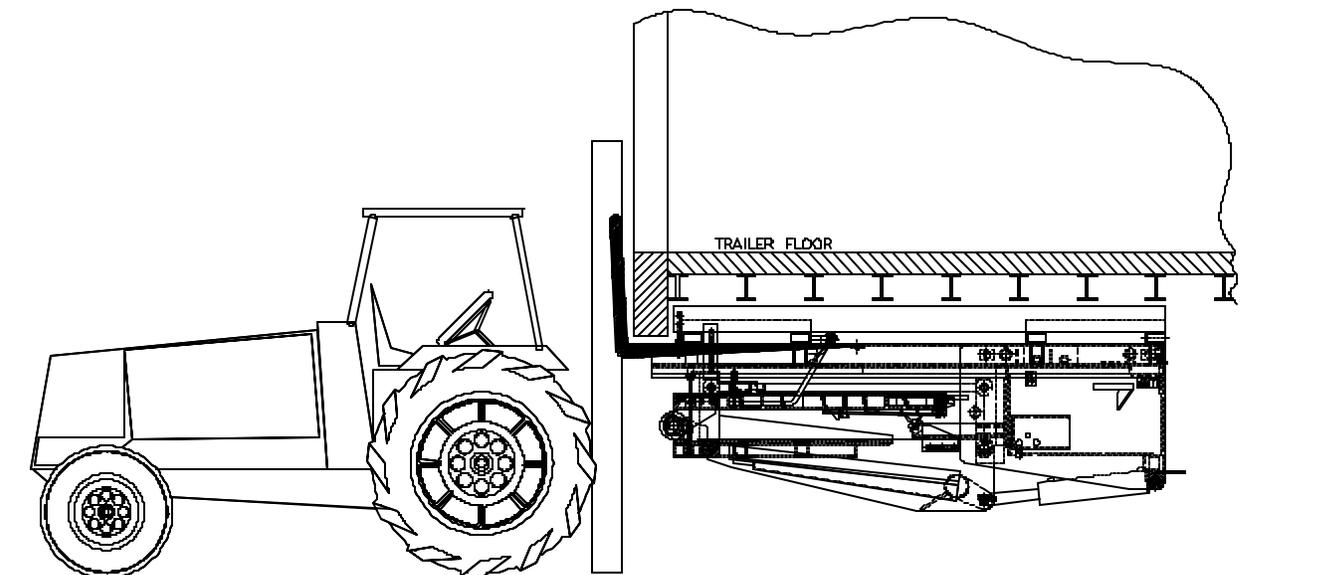
D = 75-1/4"

If **B actual** is greater than 3", then:

D = 72-1/4" + B actual

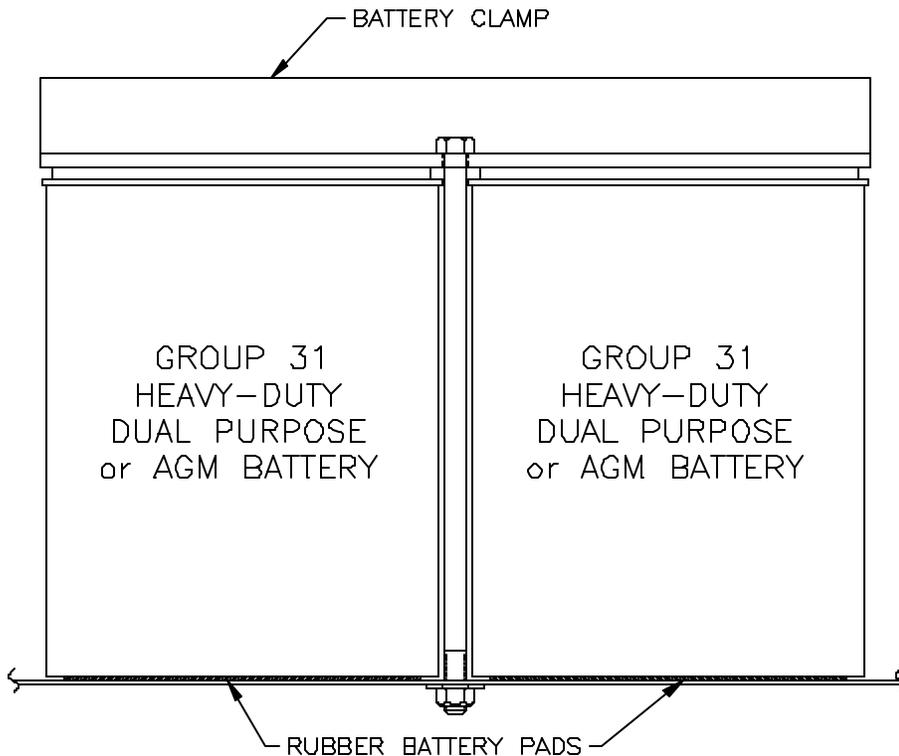
INSTALLATION OF THE LIFT GATE

1. Make sure you have measured the height of the trailer Slide Rails for the tandem wheels. If they are taller than 4", spacer tubes will be needed between the lift gate mounting channels and the trailer cross members. Refer to Item 3 on page 5. If spacer tubes are required, they should be procured and welded to the top of each mounting channel now. Remove paint on top of mounting channels for spacer tube welds. Spacer tubes must be welded to mounting channels using 3/16" fillet welds on both sides of tubes, using 2" long welds spaced on 10" centers.
2. Determine your "A" dimension by measuring the trailer. See pages 6 and 7. Remember that the "A" dimension includes the height of the spacer tubes, if spacer tubes are used.
3. Using the "A" dimension, enter the chart on page 7. Next check your actual "B" and "C" dimensions to verify they do not exceed "B max" and "C max" respectively. Also verify you have clear space under the trailer to accommodate the "D" dimension calculated on page 7, and the trailer bed height (unladen) does not exceed "E max".
4. Mark the centerline of the lift gate, which is the center of the IN / OUT chain. Also mark the centerline of the trailer.
5. **Spread the forks on a lift truck as far apart as possible.** Position the forks under the first two cross tubes. **CAUTION:** Do not hit anything with the forks. **C-clamp the unit to the forks.** **Use two (2) "C" clamps at each cross tube.** See sketch below.
6. Pick the unit up, position it under the trailer. Line up the centerline marks, which you put on the gate and the rear sill. Mounting channels must go behind the rear sill, and Outer Slide rails must be slightly behind the rear face of the rear sill. Weld the mounting channels or spacer tubes to the trailer cross members with sufficient weld so the gate can be safely operated without a load. **Do NOT ride on the platform until lift gate is fully welded later.** Welds near the rear sill carry more load, and are very important.



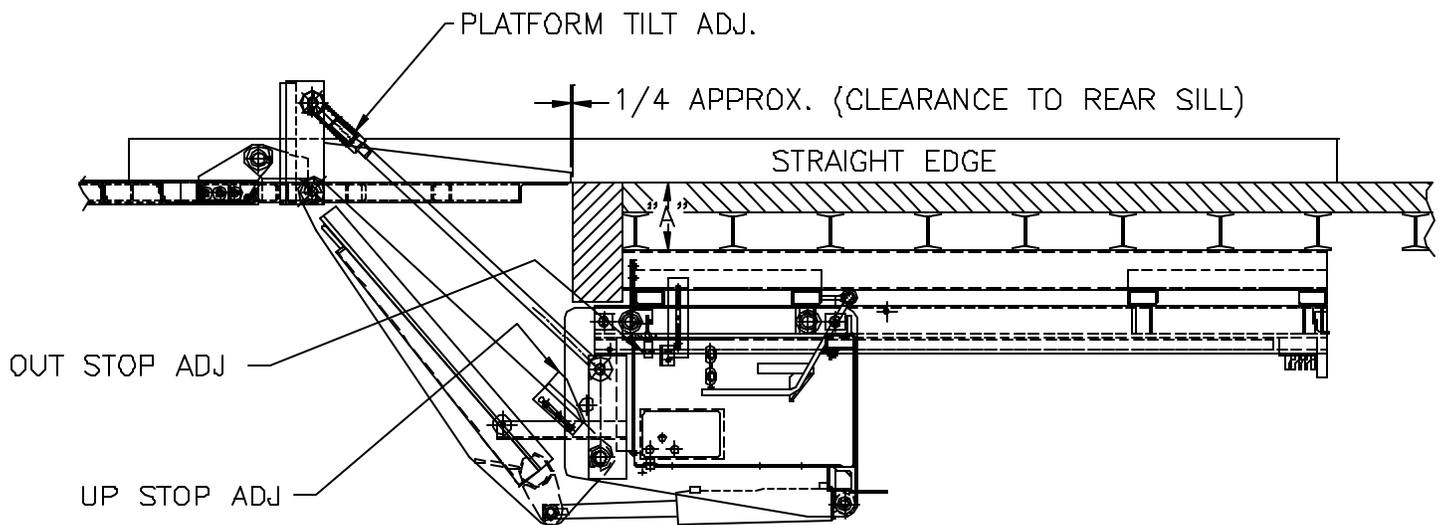
INSTALLATION OF THE LIFT GATE (Cont.)

7. Mount the IN / OUT Switch Box at the rear curb side of the trailer facing the curb side. Then mount the two UP / DOWN Recessed Switches in the back face of the curb side rear post (roll-up door) or on the inside trailer wall (swing doors). See "Toggle Switch Wiring" for more details on switch location and connections. NOTE: Operator must be able to reach the Out Stop Release handle, the IN / OUT Switch, and the lower UP / DOWN Switch while standing in the same position, in order to easily deploy and store the lift gate.
8. Install at least two (2) heavy-duty Dual Purpose or AGM batteries. See sketch. Fill oil tank using a recommended hydraulic oil, and install breather cap. Oil level should be 1" from top of tank with platform on ground.



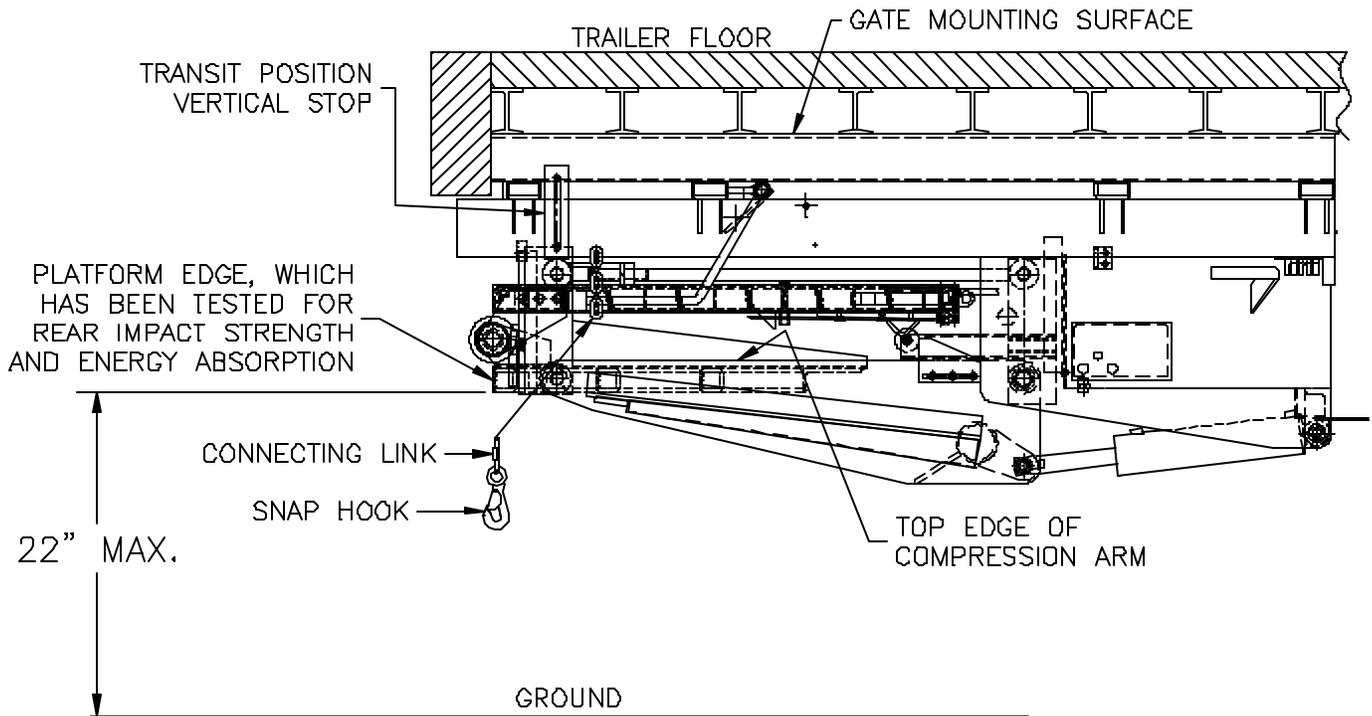
9. Temporarily connect one UP/DOWN switch, matching wire colors. Press the UP switch, then unhook the Transit Safety Chain. Drop the platform down six inches. Run the gate outward. Carefully lift the platform up to the door rear sill. Check for the fit of platform edge to the door opening. Platform should be even with trailer floor, with a gap of about 1/4". The 1/4" gap can be adjusted using the Out Stops in Step 11. The UP Stops can be used to adjust the platform height to the trailer bed height. **CAUTION:** Do not ride on the gate when only partially welded.
10. Complete welding. **Weld both Mounting Channels on all sides to all cross members. Use 1/4 inch fillet welds.**
11. Make all adjustments. See the following two pages for correct order and steps.
12. Install charge line. Follow instructions on pages 12, 17, and 18.
13. Install IN / OUT Switch and UP / DOWN Switches, plus any other options. See pages 15&16.
14. Install the safety stickers.
15. Touch-up any paint wherever necessary. Use Extreme Shield[®] Paint Kit provided.

INSTALLATION ADJUSTMENTS



- Step 1: The platform was preset at the factory to be level to the floor of the trailer within 1/4". A slight slope toward the trailer is preferred over a slope away from the trailer. With a straight edge, check this. If it is okay, proceed to Step 2. If not, let the platform down to the ground. Remove the two (2) roll pins and the top Tension Arm pivot pins (one on each side). **NOTE:** One-half turn moves the tip of the platform 3/16" (turning the end in moves the retention ramp end of the platform up, unscrewing moves the retention ramp end of the platform down). Make necessary adjustments. Replace pins, raise the platform up and check. Repeat if necessary. Replace roll pins. **NOTE:** Each side must be adjusted the same amount.
- Step 2: Adjust the Up Stops. Platform should be even with the floor of the trailer. Tack weld.
- Step 3: Adjust the Out Stops (long set screws with locking nuts). The tip of the platform should be approximately 1/4" from the edge of the threshold.

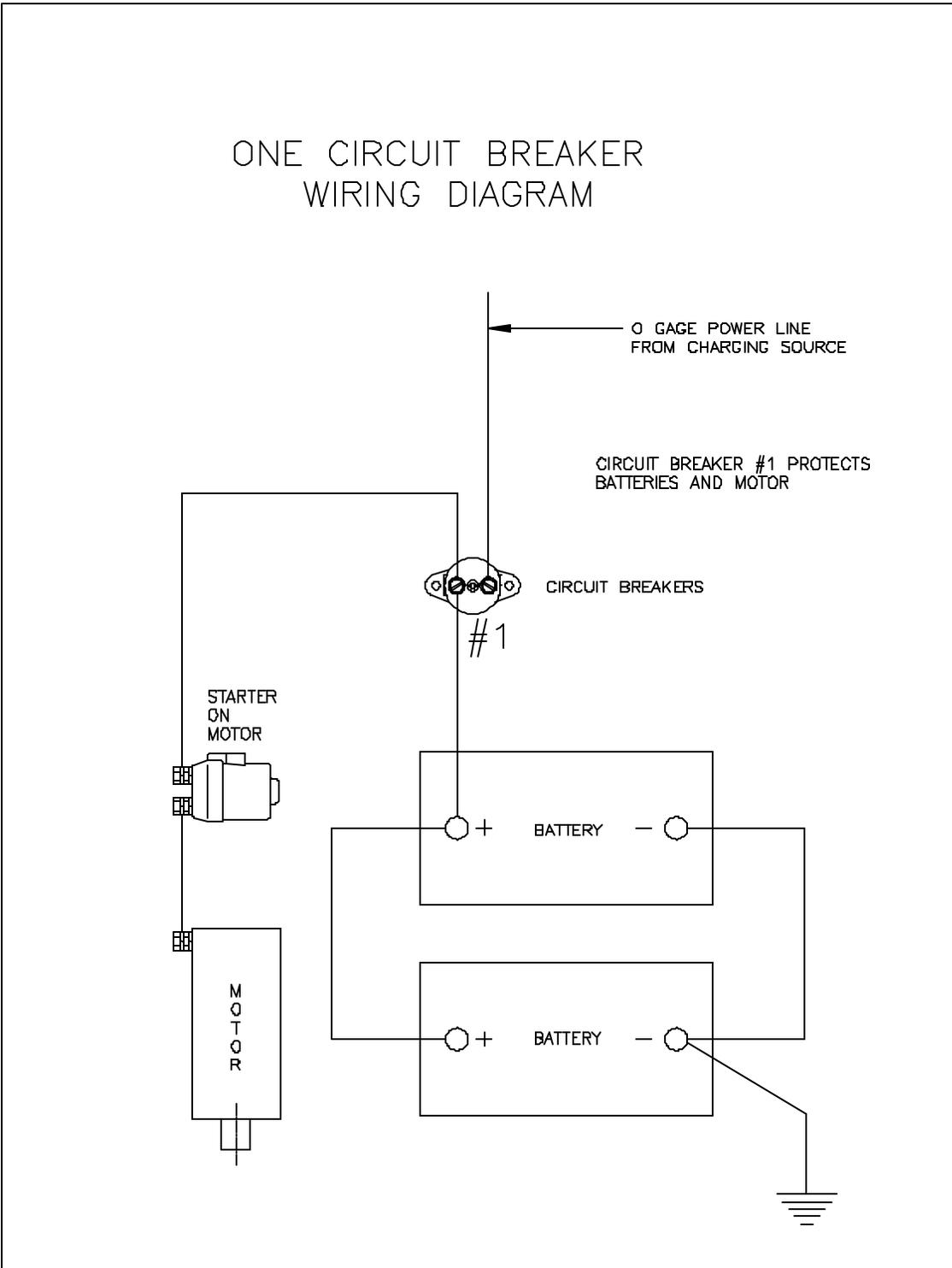
INSTALLATION ADJUSTMENTS (Cont.)



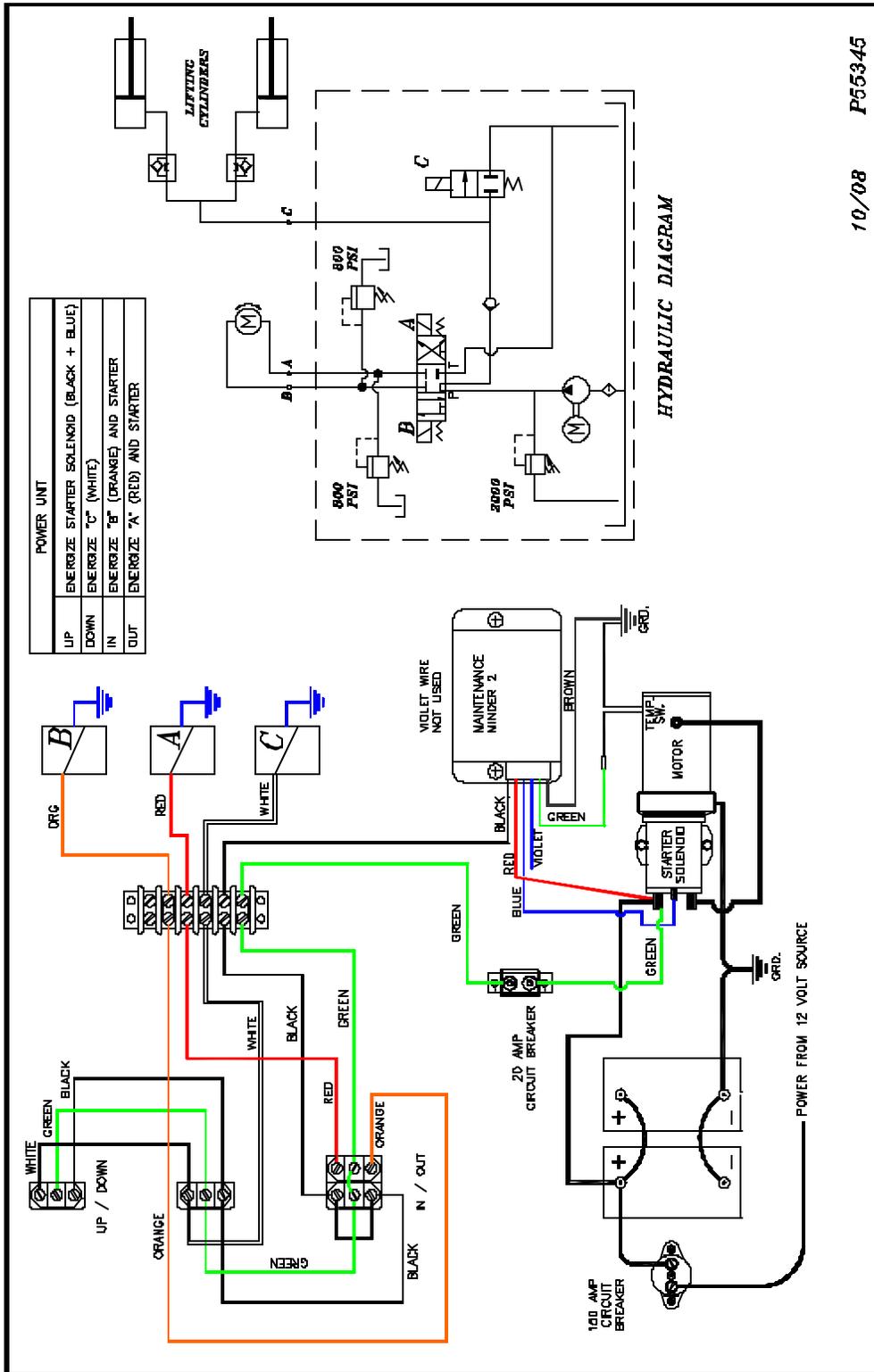
NOTE: A trailer with a rear mounted slider lift gate meets the definition of a “Special Purpose Vehicle”, and therefore is exempt from meeting FMVSS 223 and 224 Rear Impact Guard regulations. However, the LPR4500RB lift gate assembly has been tested and does meet all the strength and energy absorption requirements of FMVSS 223 (USA) and CMVSS 223 (Canada). To properly utilize this feature, the steel platform in the stored position must comply with the maximum height restriction (22”) for a Rear Impact Guard.

- Step 1:** If the Rear Impact Guard feature is to be utilized, adjust the Transit Position Vertical Stops on both sides such that the steel platform edge meets the 22” MAXIMUM dimension. If the Rear Impact Guard feature does NOT need to be utilized, adjust the Transit Position Vertical Stops on both sides so that the top edge of the Compression Arm is horizontal, with the gate powered UP against the Vertical Stops. This will give maximum ground clearance at the rear of the lift gate.
- Step 2:** Weld each Transit Position Stop in place with at least four (4) 3/16” fillet welds, 1” long.
- Step 3:** Adjust length of Safety Chain on curb side. With gate against Transit Position Vertical Stops, and Connecting Link and Snap Hook latched to loop on Compression Arm, determine the minimum number of chain links required. Remove excess links from the end of the chain, then attach Connecting Link and Snap Hook to the end of the chain.

CIRCUIT BREAKER WIRING DIAGRAM

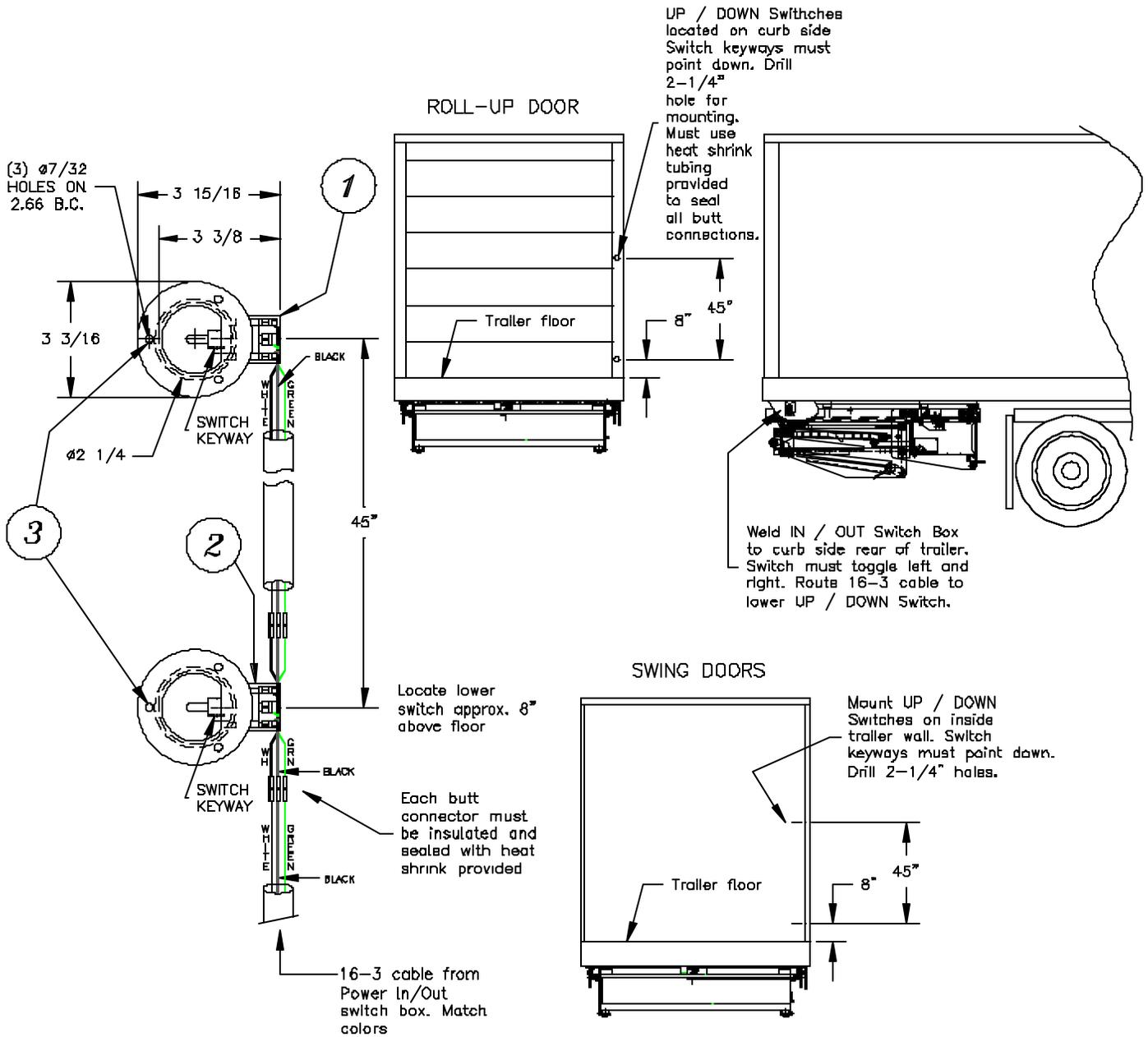


WIRING DIAGRAM



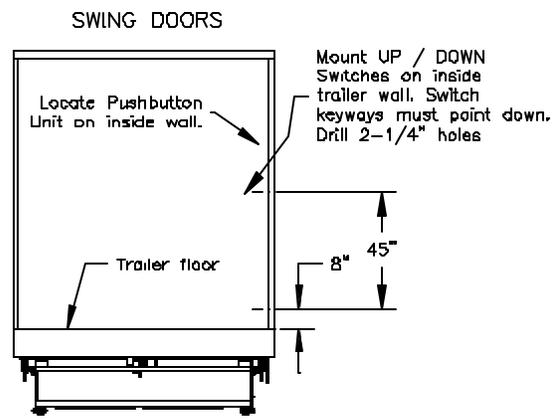
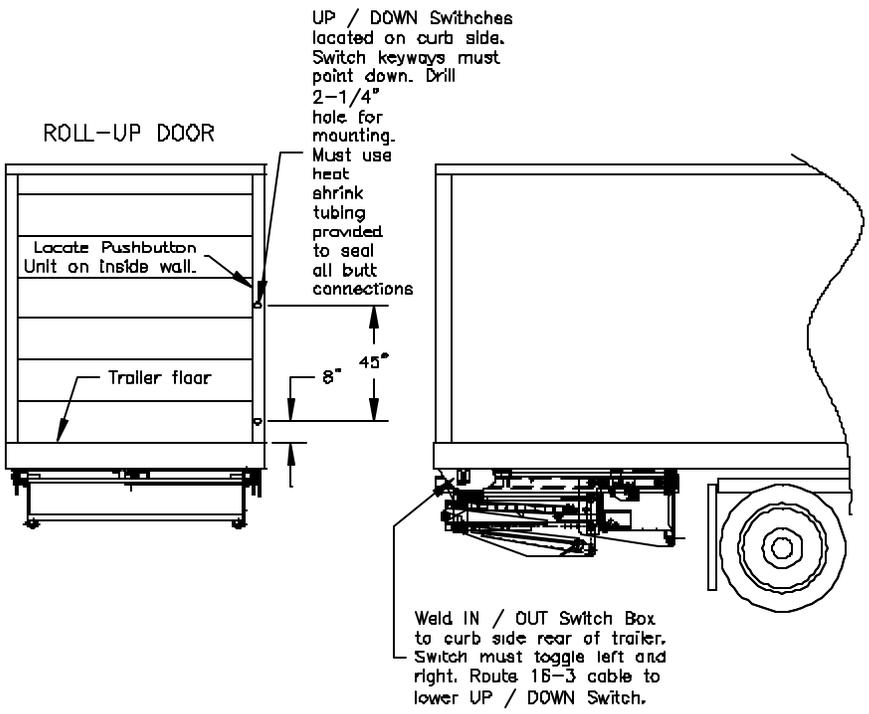
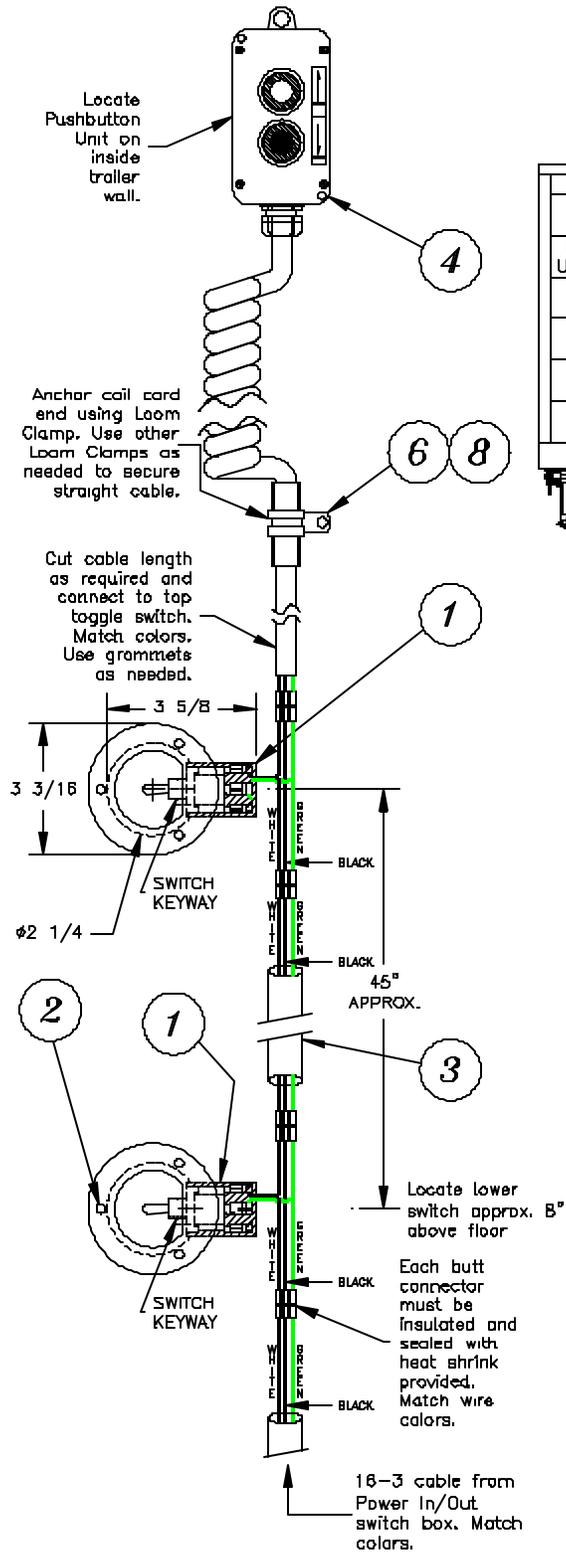
10/08 P55345

STD. TOGGLE SWITCH WIRING



5	4	P1751B	SELF TAPPING SCREW			NOT SHOWN
4	4	P46250	LOOM CLAMP			NOT SHOWN
3	6	P17536	SHEET METAL SCREW		10-16 X 3/4 TYPE AB	
2	1	P46729	LOWER UP/DWN SWITCH ASSY.			INCLUDES HEAT SHRINK TUBING
1	1	P46728	UPPER UP/DWN SWITCH ASSY.			
INDEX NO	REQD.	PART NO.	PART NAME	MATL.	MATERIAL SIZE	REMARKS

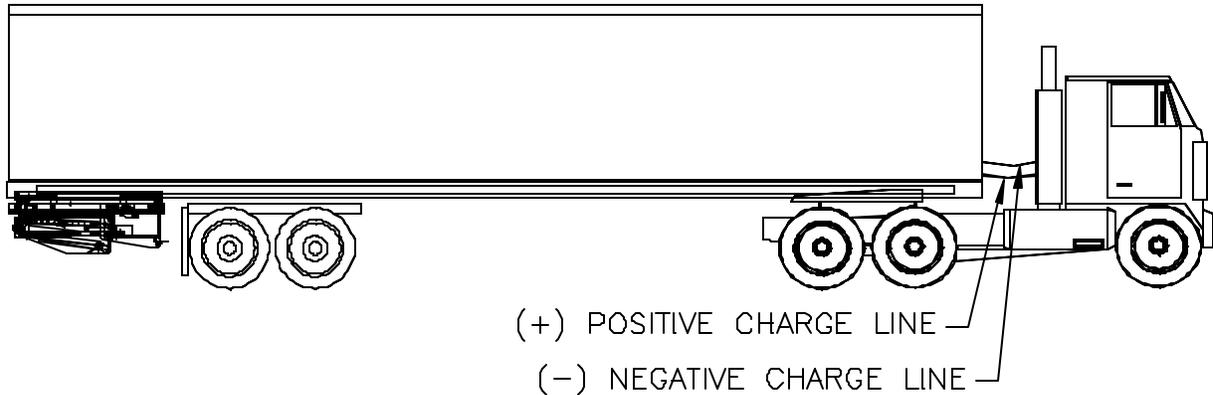
TOGGLE SWITCH WIRING with PUSHBUTTON



INDEX	REQD.	PART NO	PART NAME	MATL	MATERIAL SIZE	REMARKS
8	7	P1751B	SELF-TAP SCREW		10-32 X 1/2 LG.	
7	1	P4910B	HDDK FOR WAPB			NOT SHOWN
8	7	P4645Q	LOOM CLAMP			
5	4	P251A1	GRONNET			NOT SHOWN
4	1	BA-561-612	WAPB ASSEMBLY			
3	1	P46186	16-3 CABLE		1 PC. - 42" LG	
2	6	P1753B	SHEET METAL SCREW		10-16 X 3/4 LG.	
1	2	P46729	TLS LOWER SW. ASSY.			

GROUNDING RECOMMENDATIONS

FOR TRACTOR/TRAILER USING MAINTENANCE MINDER 2[®] CONTROLLER



The Maintenance Minder 2[®] Controller requires a minimum of 10 volts to start and 8 volts to continue running the LPR lift gate. Power unit solenoid valves will require 10.5 volts to operate the coils. Utilization of a single positive cable often does not provide a sufficient ground for the charging circuit. Therefore, our recommendation for grounding tractor/trailers with the LPR gate is as follows:

Use two (2) cables, one (1) positive and one (1) negative, both running to the tractor batteries.

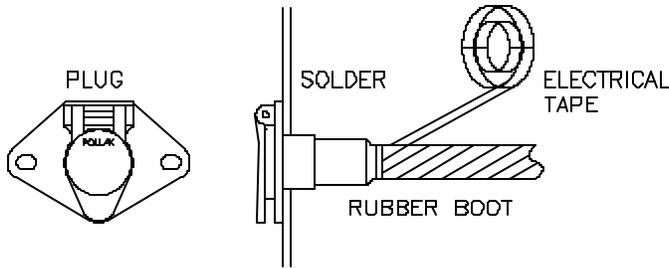
NOTE:

The use of a battery charger as the sole power source to operate a LPR is unauthorized and will prevent the LPR from working properly. The lift gate must always be operated in conjunction with at least one (1) 12 volt heavy-duty dual purpose or AGM lift gate battery. A minimum of 10.5 volts must be maintained in order for the valves to operate.

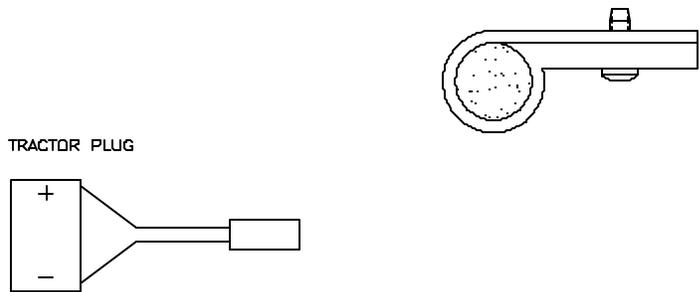
CHARGE LINE

When installing the charge line, be sure the cable goes through three (3) "I" beams at the very least, past the fifth wheel plate and in clear vinyl loom. Mount the remaining cable with loom clamps and self tapping screws to the "I" beams.

USE "0" GAUGE CABLE AT MINIMUM



WE RECOMMEND THAT YOU USE AT LEAST A 90 AMP ALTERNATOR ON THE TRACTOR TO RECHARGE THE BATTERIES ON THE LPR.



Run the power line (charge line) wire along with switch wiring harness and ground cable on lift gate.

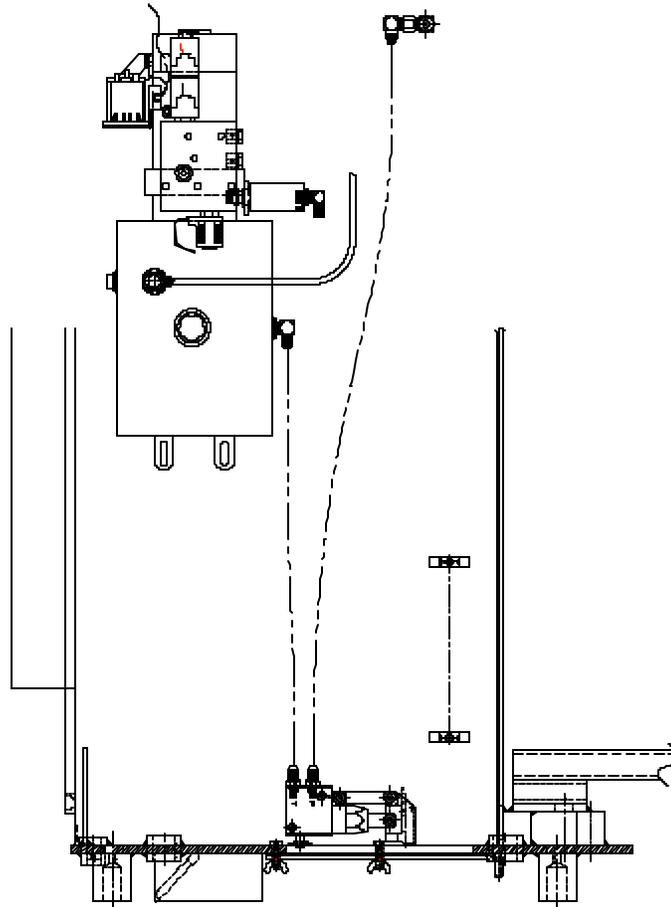
If you use a single-pole plug for the charge line (dual-pole is recommended above), the tractor plug that plugs into the trailer must have a hot wire and a ground wire to the lug.

RECOMMENDED HYDRAULIC OILS/LUBRICATION

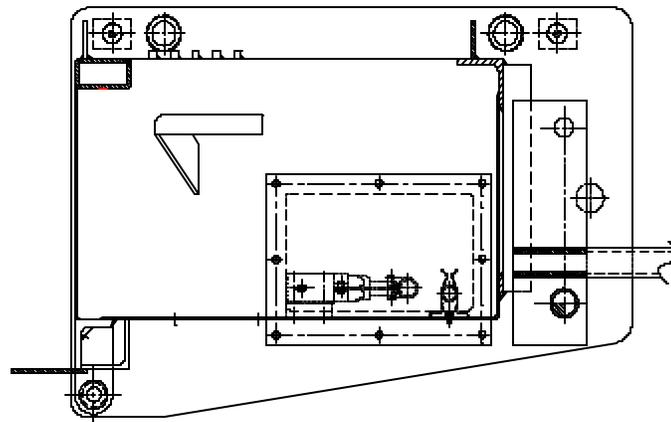
HYDRAULIC OILS	Manufacturer	Type	Temp. Range
Level 1 Normal Conditions	Mobile	DTE 11	-15° F to + 150° F
	Shell	TELLUS-T15	-15° F to + 150° F
	Exxon	UNIVIS-N15	-15° F to + 150° F
Level 2 Cold Conditions	Mobile	AERO-HFA	-50° F to + 80° F
	Shell	AERO FLUID#4	-50° F to + 80° F
	Exxon	UNIVIS-HV113	-50° F to + 80° F
	Mil	H-5606	-50° F to + 80° F
HYDRAULIC TANK CAPACITY			
2 ½ gallons			
LUBRICATION	Cam Rollers, Idler Sprockets, Full-Out Position Lock shaft, Cylinder base pin		Lithium Base Grease
Grease			
BATTERIES			
Two (2) 12-Volt DC Group 31 Heavy-Duty Dual Purpose or AGM			
ELECTRICAL COMPONENTS CONNECTIONS			
Use Fluid Film Rust & Corrosion Protection by Eureka, except on Start Solenoid			
On Start Solenoid, use Color Guard by Loctite, or Liquid Electrical Tape			
AMPERAGE DRAW OF MOTOR			
When raising platform (empty) approximately 115 AMPS @ 13.5 volts.			
At bypass approximately 235 AMPS @ 13.5 volts			
LIFTING PRESSURE SETTING			
With platform at floor level and pump in bypass 2500 PSI			
IN-OUT PRESSURE SETTING			
When sliding gate in-out and pump in bypass 800 PSI			
MINIMUM VEHICLE FLOOR HEIGHT LADEN			
See page 4 for Ground Clearance calculation			
MAXIMUM VEHICLE FLOOR HEIGHT UNLADEN			
See page 7 for Emax values			
APPROXIMATE TIMES EMPTY AT 80° F WITH 2 GROUP 31 BATTERIES			
Time up: 14 – 18 seconds			
Time down(gravity down): 12 –16 seconds			

EMERGENCY HAND PUMP

OPTION #184LPR



TOP VIEW



DRIVER'S SIDE VIEW

LIFT GATE OPERATING INSTRUCTIONS

DO NOT STAND BEHIND LIFT GATE WHILE UNFOLDING OR USING PLATFORM.

TO UNFOLD PLATFORM FROM OVER-THE-ROAD POSITION

1. TO RELIEVE TENSION ON SAFETY CHAIN, PUSH THE UP SWITCH. GATE WILL GO UP.
2. REMOVE SAFETY CHAIN FROM HOOK ON CURB SIDE OF LIFT.
3. USE DOWN SWITCH TO LOWER LIFT SEVERAL INCHES.
4. STAND TO SIDE OF LIFT GATE. PUSH THE IN / OUT SWITCH TO THE LEFT, AND GATE WILL RUN OUT. RUN GATE OUT UNTIL IT STOPS AND LOCKS IN ITS FULLY EXTENDED POSITION.
5. LOWER PLATFORM TO GROUND USING DOWN SWITCH. UNFOLD SECONDARY PLATFORM.

SAFE LOADING OF PLATFORM

1. RETENTION RAMP MUST BE SET VERTICAL WHENEVER LOADING PLATFORM FOR LOWERING, OR AFTER LOADING PLATFORM FOR LIFTING. SEE URGENT WARNING DECAL.

TO LOWER PLATFORM, USE THE DOWN SWITCH ONLY.

TO RAISE PLATFORM, USE THE UP SWITCH ONLY.

TO STORE GATE IN OVER-THE-ROAD POSITION:

1. POSITION PLATFORM NEAR GROUND. FOLD RETENTION RAMP AND LATCH
2. FOLD SECONDARY PLATFORM, THEN RAISE PLATFORM ONE FOOT OFF THE GROUND.
3. RAISE LOCK BAR HANDLE AND PUSH THE IN / OUT SWITCH TO THE RIGHT. RUN GATE ALL THE WAY UNDER TRAILER UNTIL LIFT STOPS.
4. RUN GATE UP. USE UP SWITCH.
5. HOOK SAFETY CHAIN ON CURB SIDE OF LIFT GATE.
6. LOWER GATE UNTIL CHAIN IS TIGHT. USE DOWN SWITCH.

P55438

OPERATING THE EMERGENCY HAND PUMP

If an emergency hand pump was supplied with this lift gate, its intended use is to restore the gate to the transit position.

CAUTION: Do not try to operate the power unit when using the hand pump.

Steps to secure the gate, so the trailer can be moved:

1. Access cover for Emergency Hand Pump is located on the driver's side of the lift gate. Loosen wing nuts and remove cover. If there is no access cover, or the cover is not removable, then the optional Emergency Hand Pump was not supplied.
2. Remove the pump handle from the holder and insert into the hand pump socket.
3. Raise the platform off the ground about 6". Pump side-to-side.
4. To retract the gate, disconnect the IN/OUT chain and manually push the gate under the trailer all the way until it stops.
5. Pump the gate until fully up. Then hook the Safety Chain on the curb side.
6. With the handle, unscrew the valve on the bottom of the hand pump. This will let the gate down so the Safety Chain is tight.

MAINTENANCE MINDER 2[®] OVERVIEW

Power unit is equipped with the Maintenance Minder 2[®] Controller. It will:

- Automatically keep track of maintenance intervals and warn the user when maintenance is due, based on the number of lifts.
- Record low voltage occurrences.
- Record of high temperature faults.
- Record of maximum run time faults, when a single operation exceeded the maximum continuous run time limit.
- Give helpful trouble-shooting information on MENU 4, “Last Lift Info”.

FAULTS CODES

A decal in the power unit enclosure lists the following signal codes for these faults:

1 BEEP	Service Fault (reached the number of lifts when maintenance is due)
2 BEEPS	Low Voltage Fault (check battery condition and power line connections)
3 BEEPS	Max. Time Fault (exceeded the maximum continuous run time allowed)
4 BEEPS	High Temperature Fault (unit will not run until motor cools)

All faults signals will be repeated FOUR times, except the Service Fault signal. Controller will prevent power unit from operating during the time period when a fault signal is sounding (about 5 to 10 sec.) except for the Service Fault signal. The controller is also equipped with an anti-doorbelling feature, which prevents rapid ON/OFF operation of the power unit.

RESETTING after MAINTENANCE IS PERFORMED

To RESET the Maintenance Minder 2[®] after maintenance has been performed:

1. Go to MENU 2, hit “ENTER”, and toggle down to the “Reset All Info” screen.
2. Press and hold the hidden RESET button under Maintenance Minder 2[®] logo at top of faceplate.
3. Follow the instructions on the screen regarding a second button, which must be pressed to complete the reset operation.



MAINTENANCE MINDER 2[®] CONTROLLER MENUS

(Press MENU)

MENU 1 – LIFT GATE INFO

(Press ENTER, then ARROW DOWN for each item)

Model Number, Serial Number, Manufacture Date, Vehicle ID, Hardware Version, Firmware Version, Software Version.



(Press MENU and ARROW DOWN once)

MENU 2 – PERIOD INFO (data for current maintenance period)

(Press ENTER, then ARROW DOWN for each item)

Number of Lifts (gives the number during this maintenance interval and the set number when maintenance is due)

Motor ON (total motor run time in minutes for this maintenance period)

Service Fault (number of times gate was operated PAST the maintenance limit)

Max. Time Faults (times motor exceeded its maximum allowable continuous run time)

High Temperature Faults (times thermal switch in motor tripped, if switch provided)

Low Voltage Faults (times low voltage occurred)

Reset all Info (Reset data after performing maintenance, once maintenance limit is reached – see reset instructions on previous page)



MAINTENANCE MINDER 2[®] CONTROLLER MENUS

(Press MENU and ARROW DOWN twice)

MENU 3 – LIFE TIME INFO (data for the total life time of the gate)

(Press ENTER, then ARROW DOWN for each item)

Same items will appear as under PERIOD INFO, except this is LIFE TIME data.

Reset History (reviews history for each maintenance interval)

Press ENTER, then ARROW DOWN to show history. Most recent period is the highest #. Screen shows Period #, # of Lifts, and Total Run Time in minutes.



(Press MENU and ARROW DOWN three times)

MENU 4 – LAST LIFT INFO (Trouble Shooting Screen – it records data that occurred during the last lift made)

(Press ENTER, then ARROW DOWN for each item)

Supply Voltage (first voltage is the minimum voltage that occurred during the last lift – if below 6 volts gate will stop / second voltage is the supply voltage just before gate operation, must be at least 10 volts).

Motor ON (motor run time in seconds during last lift, gate will stop at 180 seconds).

Window Time (time in milliseconds during the last lift that the voltage dropped in between 6 and 8 volts – must not be any longer than 3 seconds or gate will stop).



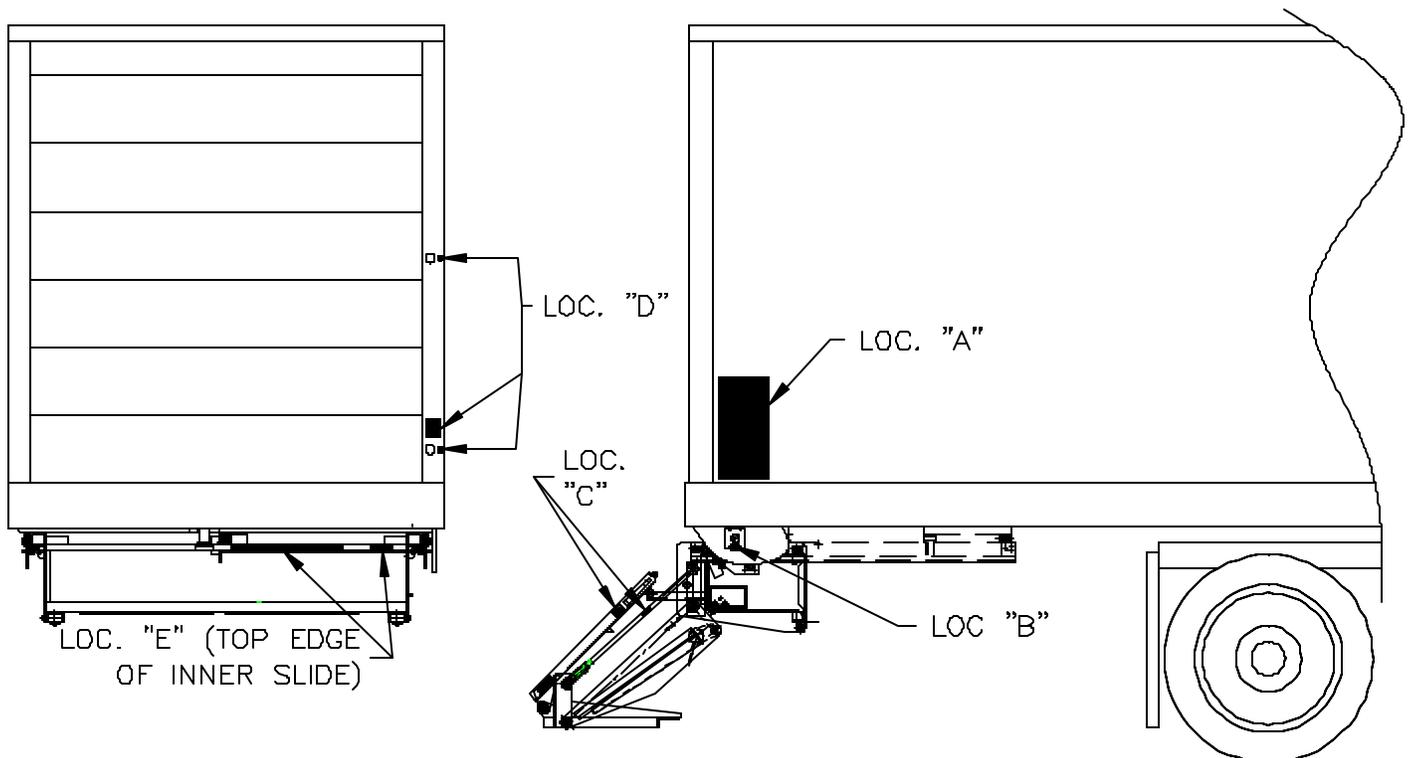
NOTE:

Controller has an anti-doorbelling feature. Motor will not operate if UP switch is toggled rapidly. This prevents welding of the start solenoid contacts.

INSTALLATION OF SAFETY DECALS

Leyman Manufacturing will replace safety stickers at any time **FREE OF CHARGE**.

P55438	Operating Instructions	Loc. A (Qty. 1)
P55157	Urgent Warning....	Loc. A (Qty. 1)
P55294	CAUTION Do Not Stand....	Loc. A (Qty. 1)
P55193	Maximum Capacity	Loc. A (Qty. 1)
AP-011-213	IN – OUT Decal	Loc. B (Qty. 1)
P55347	CAUTION Pinch Point	Loc. C (Qty. 2)
P55157	Urgent Warning....	Loc. D (Qty. 1)
P55221	UP / DOWN Switch	Loc. D (Qty. 2)
P55138	Keep Feet....	Loc. E (Qty. 1)
P55441	Primary Platform at Stored....	Loc. E (Qty. 1)



FINAL INSTALLATION INSPECTION

CUSTOMER:		
LOCATION:		
VEHICLE#:	LIFT GATE MODEL#:	LIFT GATE SERIAL#:

√ = OK N = NOT APPLICABLE

WELDING/ADJUSTMENTS	
	Gate is welded secure to bottom of ALL cross members with 1/4" fillet welds (continuous welds, welded all-around)
	Up Stops are tack welded to Compression Arm (to set platform flush with floor of trailer)
	Out Stops adjusted (the platform should be approximately 1/4" from the edge of the threshold)
	Both Transit Position Stops adjusted to proper height, and then welded in place.
ELECTRIC'S	
	Check that battery holds downs are anchored securely
	Check battery(ies) for proper charge level. PROPER CHARGE LEVEL:
	Check all wiring connections for tightness (batteries, switches, etc.). Anti-corrosion sealer has been applied.
	Inspect and check all circuit breakers
	Charge line/power line (through cross members with rubber grommets if you prefer)
	Charge line/power line (clamped to bottom of cross members with loom clamps)
	Check operation of toggle switches and pushbutton control, if supplied
HYDRAULIC/GREASE	
	Check reservoir for correct amount of fluid, 1" from top of tank (platform should be down when checking)
	Check hydraulic hoses and fittings for leaks
	Check lifting cylinders for leaks
OPERATION OF GATE	
	Raise and lower lift gate. Observe for correct operation
	Operate lift gate IN - OUT. Observe for correct operation
PAINTING AND SAFETY STICKERS	
	Repaint where needed. Use Leyman Extreme Shield [®] touch-up kit provided.
	Check hydraulic cylinder rods for over spray
	Install all safety and operation stickers

SERVICED BY: _____ DATE: _____

