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TABLE OF CONTENTS

WARNINGS	PAGE 3
BODY STRENGTH REQUIREMENTS	PAGE 4
LIFTGATE INSTALLATION COMPONENTS	PAGE 5
COMPONENTS, RECOMMENDED TOOLS & EQUIPMENT	PAGE 6
STEP 1 - PREPARE VEHICLE IF REQUIRED	PAGE 7
STEP 2 - POSITION LIFTGATE	PAGE 8
STEP 3 - WELD LIFTGATE TO VEHICLE	PAGE 9
STEP 4 - REMOVE SUPPORT FIXTURES	PAGE 10
STEP 5 - PLACE "ALIGN ARROWS" DECAL	PAGE 11
STEP 6 - PREPARE PUMP BOX FRAME IF REQUIRED	PAGE 12
STEP 7 - POSITION PUMP BOX FRAME	PAGE 13
STEP 8 - WELD PUMP BOX FRAME TO VEHICLE	PAGE 14
STEP 9 - ADD HYDRAULIC FLUID TO RESERVOIR	PAGE 15
STEP 10 - RUN HYDRAULIC LINES & ELECTRIC CABLES	PAGE 16
STEP 10 - RUN GRAVITY DOWN HYDRAULIC LINES	PAGE 17
STEP 10 - RUN POWER DOWN HYDRAULIC LINES	PAGE 18
STEP 10 - RUN ELECTRIC CABLES	PAGE 19
STEP 11 - CONNECT GROUND CABLE	PAGE 20
STEP 12 - INSTALL CONTROL BOX & BRACKET	PAGE 21
STEP 13 - RUN CHARGE LINES	PAGE 22
STEP 14 - CONNECT BATTERIES TO LIFTGATE	PAGE 23
STEP 15 - PRESSURIZE HYDRAULIC SYSTEM	PAGE 24
STEP 16 - WELD LIFTGATE EXTENSION PLATE	PAGE 26
STEP 17 - PLACE LIFTGATE DECALS	PAGE 27
PRE-DELIVERY INSPECTION FORM	PAGE 29

Comply with the following WARNINGS while installing Liftgates. See Operation Manual M-01-23 for operating safety requirements.

A WARNING

- Read and understand the instructions in this Installation Manual before installing Liftgate.
- Before operating the Liftgate, read and understand the operating instructions in **Operation Manual M-01-23**.
- Comply with all WARNING and instruction decals attached to the Liftgate.
- Keep decals clean and legible. If decals are defaced or missing, replace them. Free replacement decals are available from **Maxon Customer Service.**
- Consider the safety and location of bystanders and location of nearby objects when operating the Liftgate. Stand to one side of the platform while operating the Liftgate
- Do not allow untrained persons to operate the Liftgate.
- Do not stand under, or allow obstructions under the platform when lowering the Liftgate. **Be sure** your feet are clear of the Liftgate.
- Keep fingers, hands, arms, legs, and feet clear of moving Liftgate parts (and platform edges) when operating the Liftgate.
- Correctly stow platform when not in use. Extended platforms could create a hazard for people and vehicles passing by.
- Make sure vehicle battery power is disconnected while installing Liftgate. Connect vehicle battery power to the Liftgate only when installation is complete or as required in the installation instructions.
- Wear appropriate safety equipment such as protective eyeglasses, faceshield and clothing while installing the Liftgate and handling the batteries. Debris from drilling and contact with battery acid may injure unprotected eyes and skin.
- Be careful working by an automotive type battery. Make sure the work area is well ventilated and
 there are no flames or sparks near the battery. Never lay objects on the battery that can short the
 terminals together. If battery acid gets in your eyes, immediately seek first aid. If acid gets on your
 skin, immediately wash it off with soap and water.
- If an emergency situation arises (vehicle or Liftgate) while operating the Liftgate, release the control Toggle Switch and the Liftgate will stop.
- A correctly installed Liftgate operates smoothly and reasonably quiet. The only noticeable noise during operation comes from the pump unit while the platform is raised and folded on all models, or lowered on Power Down models. Listen for scraping, grating and binding noises and correct the problem before continuing to operate Liftgate.
- If it is necessary to stand on the platform while operating the Liftgate, keep your feet and any objects clear of the inboard edge of the platform. Your feet or objects on the platform could be trapped between the platform and the Liftgate extension plate.
- Never perform unauthorized modifications on the Liftgate. Modifications may result in early failure
 of the Liftgate and may create hazards for Liftgate operators and maintainers.

BODY STRENGTH REQUIREMENTS

A WARNING

Consult truck body manufacturer for truck body strength data. Make sure the forces created by the Liftgate are within the limits prescribed by the truck body manufacturer.

NOTE: BODY Maximum Operating Bed Height: 60" (Unloaded) Minimum Operating Bed Height: 36" (Loaded)

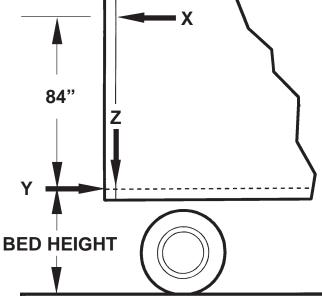
Do not install this Liftgate on vehicle bodies equipped with swing open doors.

The BMR-A-CS or ONE PIECE is a body-mounted Liftgate that puts forces on the side walls of truck and trailer bodies as shown in the illustration. For correct installation, truck and trailer bodies must be strong enough to withstand the tension, compression and shear forces shown. Use the table below to determine the forces that apply to the load capacity and platform size of your Liftgate.

X= Tension on each sidewall

Y= Compression on each sidewall

Z= Shear on each sidewall



MODEL CAPACITY	P/F SIZE	(X)(Y) LBS.	(Z) LBS.
BMR-35	36	1926	4176
3500 LBS.	42	1632	4071
BMR-44	36	2295	4851
4400 LBS.	42	1157	4461

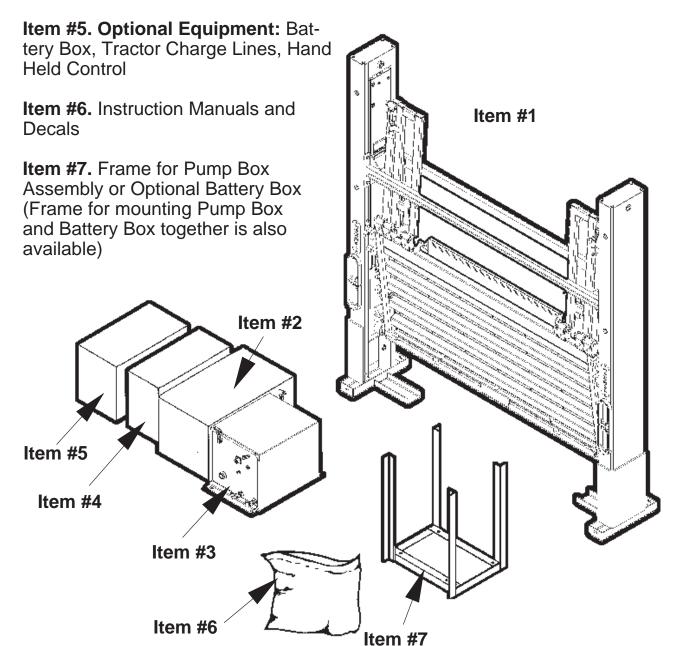
LIFTGATE INSTALLATION COMPONENTS Each BMR-A-CS OR ONE PIECE Liftgate includes:

Item #1. BMR-A- CS or ONE PIECE Liftgate (BMR-A-CS SHOWN)

Item #2. Parts Box: Hardware Parts Bag, Flat Stock & Bracket Parts Bag, Hydraulic Lines & Fittings, Wiring Harness, Power Cable, Molded Switch Control Box

Item #3. Pump Box Assembly

Item #4. Pump Box Installation Kit (3', 10', or 20')



COMPONENTS, RECOMMENDED TOOLS & EQUIPMENT

NOTE: Make sure you have all components and parts before you start installing Liftgate. Compare parts in the Part Box and each Kit Box with packing list enclosed in each box. If parts and components are missing or incorrect contact:

Maxon Customer Service Call (800) 227-4116 or Send e-mail to customersupport@maxonlift.com

BMR-A-CS & BMR-A-ONE PIECE MODEL GRAVITY DN-GD POWER DN-PD	MANUAL & DECAL KIT	PART BOX	3 FT PUMP BOX INSTALL KIT	10 FT PUMP BOX INSTALL KIT	20 FT PUMP BOX INSTALLKIT	SINGLE PUMP ASSY	DUAL PUMP ASSY	FRAME PUMP ASSY OR BATTERY BOX	FRAME PUMP ASSY & BATTERY BOX
BMR-A-CS 35 GD	280512-01								
BMR-A 35 GD	280288-01	280249		280248-02	280248-03	280230	280220		
BMR-A-CS 44 GD	280512-02		280248-01						
BMR-A 44 GD	280288-02								
BMR-A-CS 35 PD	280512-01							280279	280280
BMR-A 35 PD	280288-01					280240	264200		
BMR-A-CS 44 PD	280512-02	280250	280248-11	280248-12	280248-13				
BMR-A 44 PD	280288-02								

BMR-A-CS & BMR-A-ONE PIECE			OPTIONS						
MODEL GRAVITY DN-GD		TRAILER CHARGE	RAILER TRAILER HARGE CHARGE LINE	SINGLE POLE TRACTOR CHARGE LINE	DUAL POLE TRACTOR CHARGE	TRACTOR CHARGE LINE WITH ADAPTER	BATTERY BOX W/O BATTERY	BATTERY BOX WITH BATTERY	HAND HELD CONTROL
POWER DN-PD				01111102 21112	LINE	***************************************			
BMR-A-CS 35 GD		280290 280275-01 280275-02	000075 00	280275-03	280275-04	280275-05	280260-02	280260-01	263260-07
BMR-A 35 GD									
BMR-A-CS 44 GD									
BMR-A 44 GD	200200								
BMR-A-CS 35 PD	280290		280275-02						
BMR-A 35 PD									
BMR-A-CS 44 PD									
BMR-A 44 PD									

RECOMMENDED TOOLS & EQUIPMENT						
1.	Overhead Hoist or Forklift					
2.	Floor Jack and Jack Stands					
3.	Adjustable Clamps (2), with 15" Throat					
4.	Welding Machine					
5.	Welding Blanket					
6.	10" Vise Clamps or Spring Clamps					
7.	Combination (or adjustable) Wrenches, includes: 1-1/8", 15/16", 7/8", 13/16", 3/4", 11/16", 9/16", 1/2", 7/16", 3/8"					
8.	Diagonal Cutters					
9.	Heat Gun (Optional)					
10.	Drill Motor and Bits					

STEP 1 - PREPARE VEHICLE IF REQUIRED

NOTE: Perform the following step for flatbed vehicle body only. If vehicle body **is not a flatbed, skip this step**.

NOTE: Materials for support framework are not provided with Liftgate.

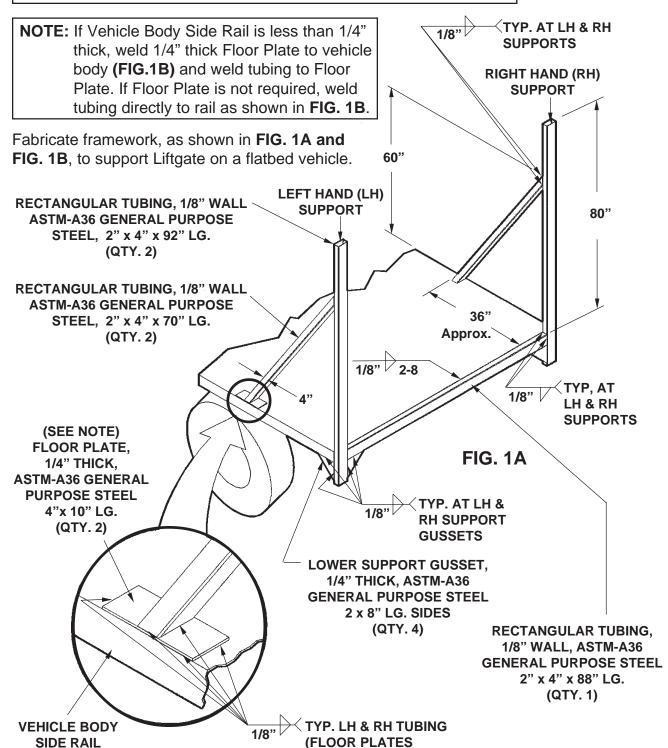


FIG. 1B

ONLY IF REQUIRED)

STEP 2 - POSITION LIFTGATE

CAUTION Comply with Welding CAUTION Decals on the LH & RH Runners.

! CAUTION!

When performing any electrical welding operations to the structure of this lift, be careful to connect the ground lead to the liftgate component being welded (e.g. runner assembly, column assembly, platform assembly), and as close to the area being welded as possible.

Because the separate assemblies on the BMR Series lifts are insulated by self-lubricated bearings, failure to do so will cause severe damage to electrical components and metal parts.

Weld 2 pieces of 10" x 2" angle stock to the top surface of the Extension Plate near the LH Column as shown in FIG. 2A and the same near the RH Column. The angle stock helps keep Extension Plate flush with top of vehicle bed while installing Liftgate. Use overhead hoist or forklift to center Liftgate against the vehicle FIG. 2B. Let angle stock, welded to Extension Plate, rest on the top surface of the vehicle bed. Weld the RH and LH Columns to vehicle body as shown in FIG. 2B.

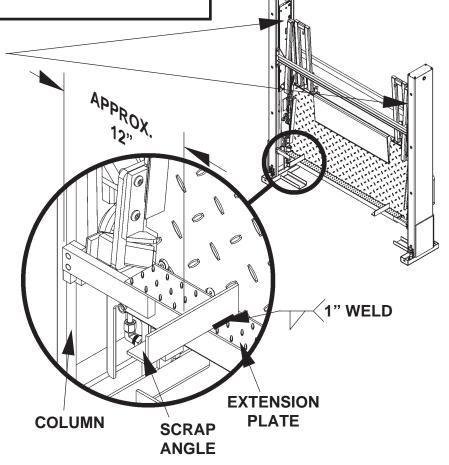


FIG. 2A

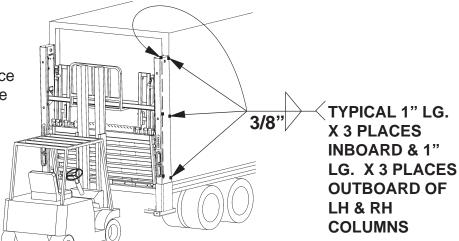


FIG. 2B

STEP 3 - WELD LIFTGATE TO VEHICLE

NOTE: If Liftgate Columns cannot be mounted flush against rear of vehicle, a filler such as tubing, channel, or plate stock may be used to bridge gap between vehicle body and Liftgate Columns. Make sure the added materials and welds meet the BODY STRENGTH REQUIRE-MENTS indicated in this manual.

! CAUTION!

When performing any electrical welding operations to the structure of this lift, be careful to connect the ground lead to the liftgate component being welded (e.g. runner assembly, column assembly, platform assembly), and as close to the area being welded as possible.

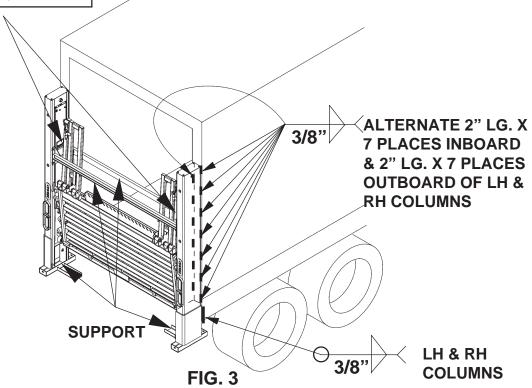
Because the separate assemblies on the BMR Series lifts are insulated by self-lubricated bearings, failure to do so will cause severe damage to electrical components and metal parts.

CAUTION

Comply with Welding CAUTION Decals on the LH & RH Runners.

A WARNING

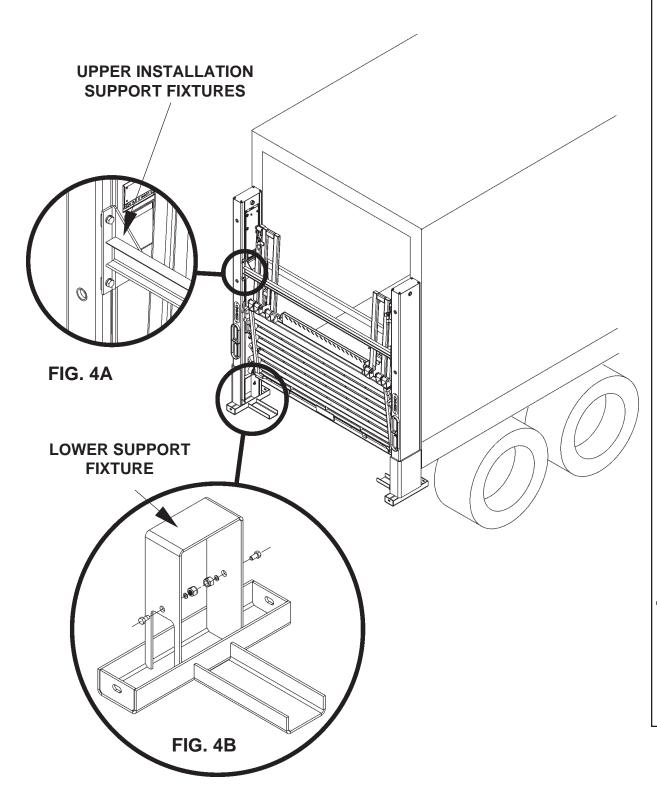
Do not remove Support Fixtures before welding.



Weld the Liftgate RH and LH Columns to vehicle body as shown in **FIG. 3**. Also, get two 12" long flats from Part Box. Weld one Flat to Reinforcement Sleeve on the LH & RH Columns as shown in **FIG. 3**.

STEP 4 - REMOVE SUPPORT FIXTURES

Remove the (2) upper support fixtures (**FIG. 4A**) by unbolting each fixture from LH and RH Columns. Also, remove the (2) lower support fixtures (**FIG. 4B**) by unbolting them from inside the LH & RH Columns.



STEP 5 - PLACE "ALIGN ARROWS" DECAL

NOTE: Make sure **RUNNERS** are raised all the way up (closest to top of **COLUMN**) before doing the following steps.

Cut Decal **P/N 263205 (FIG. 5A)** on dashed lines to make 2 pieces as shown in **(FIG. 5B)**. Peel backing from largest piece of decal and place it on **RUNNER** as shown in **FIG. 5C**. Peel backing from smallest piece of decal and place it on **COLUMN** as shown in **FIG. 5C**.

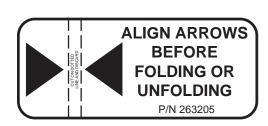


FIG. 5A



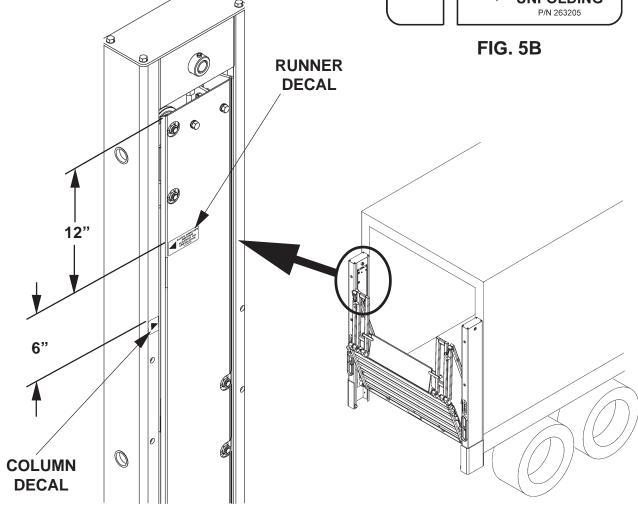
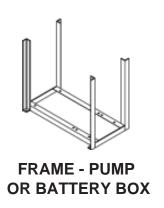
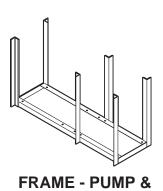


FIG. 5C

STEP 6 - PREPARE PUMP BOX FRAME IF REQUIRED

Get the Pump Box Frame (or Frame for Optional Battery Box) (FIG. 6A).

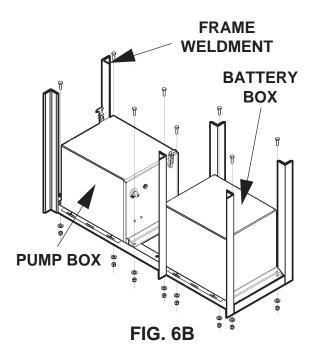




BATTERY BOX

FIG. 6A

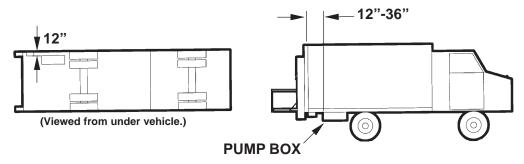
Make sure Pump Box (and Battery Box if supplied) are bolted to the Frame (FIG. 6B). If required, install Pump Box (or Optional Battery Box) Frame as shown.



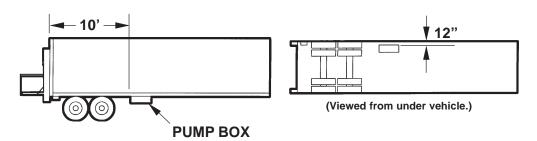
STEP 7 - POSITION PUMP BOX FRAME

NOTE: Make sure Pump Box is closer to Liftgate than Battery Box (if installed) and Pump Box Cover opens toward curb-side of vehicle. Also, make sure Hydraulic Hoses from Liftgate reach hydraulic line connections on Pump Box without straining hoses. Distance from Pump Box to Liftgate is limited by lengths of hydraulic hoses and wiring harness supplied with Liftgate.

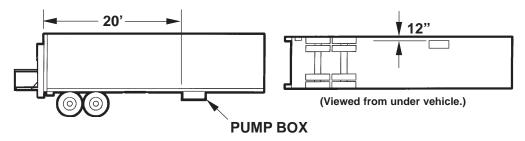
Position Pump Box Frame (or Optional Battery Box) on the ground where it will be welded to vehicle body in the next step. Typical installations are shown in **FIG. 7A**, **FIG. 7B** & **FIG. 7C**.



TYPICAL 3' FT. INSTALLATION FOR TRUCKS FIG. 7A



TYPICAL 10' FT. INSTALLATION FOR FIXED-AXLE TRAILERS
FIG. 7B



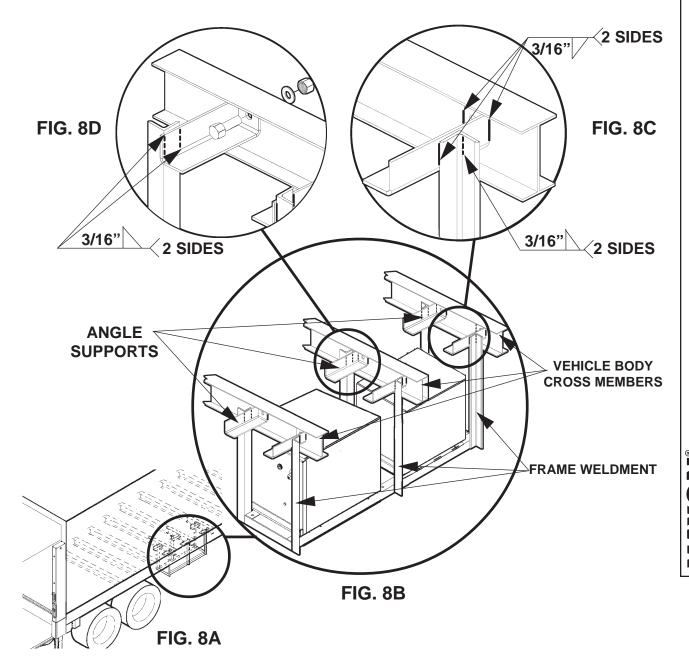
TYPICAL 20' FT. INSTALLATION FOR SLIDER-AXLE TRAILERS
FIG. 7C

STEP 8 - WELD PUMP BOX FRAME TO VEHICLE

CAUTION

Cover Pump Box and Optional Battery Box with welding blanket, if available, before welding pump box frame to vehicle.

Use floorjack or equivalent lifting device to place Pump Box Frame in correct position (refer to STEP 7) on vehicle body as shown in FIG. 8A. Weld Angle Supports (from Hardware Kit) to Pump Box Frame (FIG. 8B). If vehicle body has steel cross members, weld each Angle Support to vehicle (FIG. 8C). If vehicle body has aluminum cross members, mark bolt hole location and drill 9/16" hole in cross member for each Angle Support as shown in FIG. 8D. Bolt each Angle Support to aluminum cross member with bolt, lock washer and hex nut.



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STEP 9 - ADD HYDRAULIC FLUID TO RESERVOIR

CAUTION

Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

Remove the Filler Cap (FIG. 9) and add (2) QUARTS of Hydraulic Fluid to Pump Reservoir. Use correct grade of hydraulic fluid for your location.

+20 to +150 Degrees F Grade ISO-32 Below + 20 Degrees F Grade ISO-15

Reinstall the Filler Cap (FIG. 9).

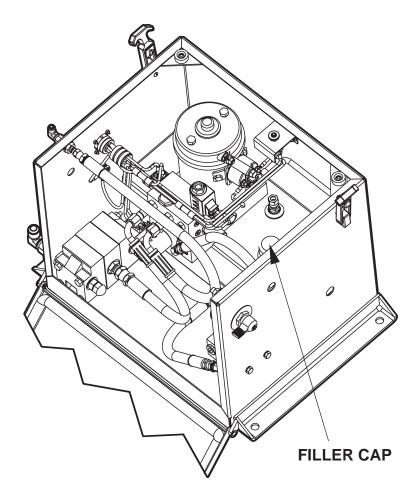


FIG. 9

STEP 10 - RUN HYDRAULIC LINES & ELECTRIC CABLES

A CAUTION

Always route hydraulic hoses and electrical wiring clear of moving parts, brake lines, sharp edges and exhaust systems. Avoid making sharp bends in hoses and wiring. Attach securely. If drilling is necessary, first check behind the drilling surface so you do not damage any fuel lines, vent lines, brake lines or wires.

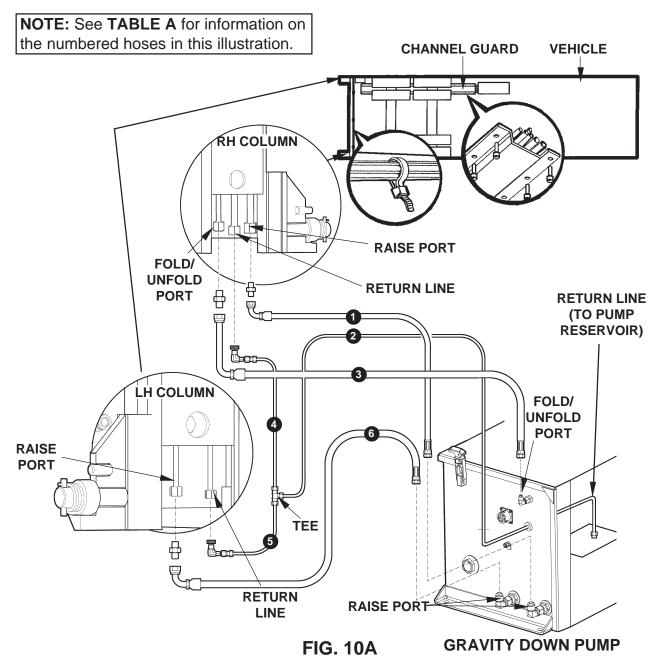
NOTE: The Hydraulic Cylinders in the Liftgate are filled with hydraulic fluid and bled at the factory. To keep air out of the hydraulic system, follow instructions carefully for installing hydraulic system components.

Get Hydraulic Hoses, Hydraulic Line fittings, Tee, Channel Guard (if required) and plastic ties from Part Box and Pump Box Installation Kit. Run Hydraulic Hoses from LH and RH Columns to Pump Box. Connect hydraulic hoses as shown in **FIG. 10A** and **TABLE A** for Gravity Down Liftgate or **FIG. 10B** and **TABLE B** for Power Down Liftgate.

Get Interconnecting Wiring Harness and Wiring Harness Extensions from Pump Box Installation Kit. Run the Wiring Harness and Wiring Harness Extensions from LH and RH Columns to Pump Box as shown in **FIG. 10C**.

If Channel Guard is required, bolt up one side of the Channel (FIG. 10A, FIG. 10B) to vehicle body. Leave bolts loose until all Hydraulic Hoses (FIG. 10A, FIG. 10B) and Wiring Harness (FIG. 10C) are run through Channel. After hoses and wiring harness are run, bolt up second side of Channel and tighten all bolts and nuts. Use plastic ties to secure runs of Hydraulic Hoses and Wiring Harness that are outside of Channel Guard.

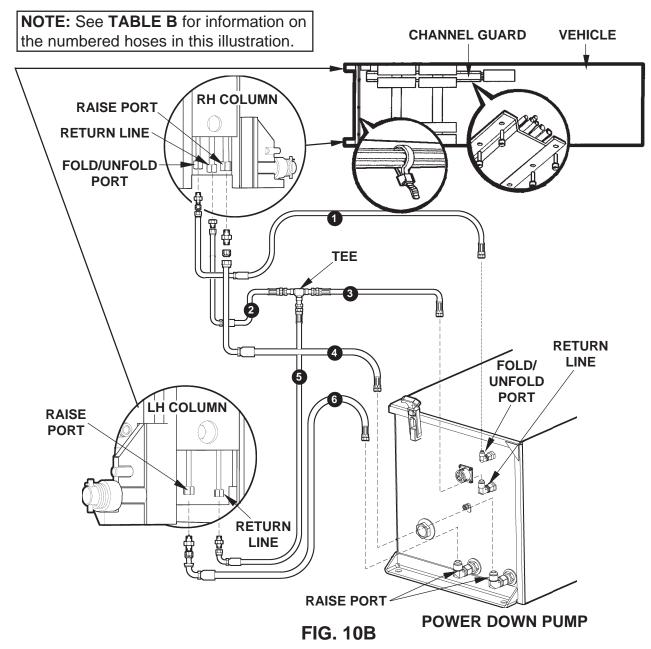
STEP 10 - RUN GRAVITY DOWN HYDRAULIC LINES



GRAVITY DOWN PUMP BOX INSTALLATION: REQUIRED HOSES (& PLASTIC TUBING*) 10 FT. 3 FT. 20 FT. 1 280223-01 280223-02 280223-03 2 099996-02* 099996-03* 099996-08* 3 280232-01 280232-02 280232-03 4 099996-06* 5 099996-05* 6 280223-02 280223-04 280223-06

TABLE A

STEP 10 - RUN POWER DOWN HYDRAULIC LINES



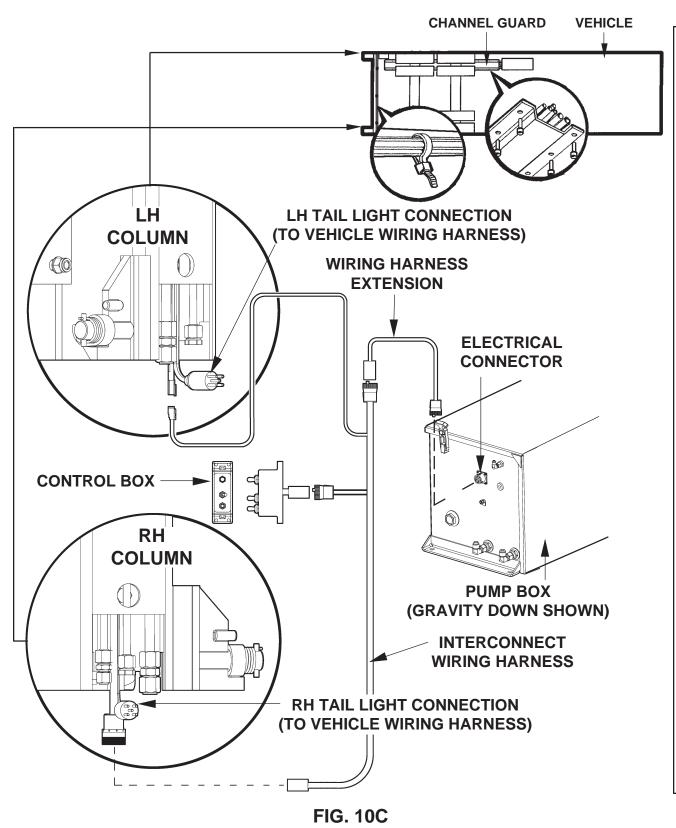
POWER DOWN PUMP BOX INSTALLATION: REQUIRED HOSES							
	3 FT.	3 FT. 10 FT. 20 FT.					
1	280232-01	280232-01 280232-02 280232-03					
2	264294-03						
3	280229-01	280229-01 280229-02 28022					
4	280223-01	280223-01 280223-02 280223-0					
5		264294-02					
6	280223-02	3-02 280223-04 280223-06					

TABLE B

FAX (888) 771-7713 (800) 227-4116 02906 CA. Santa Fe Springs, Slauson Ave.

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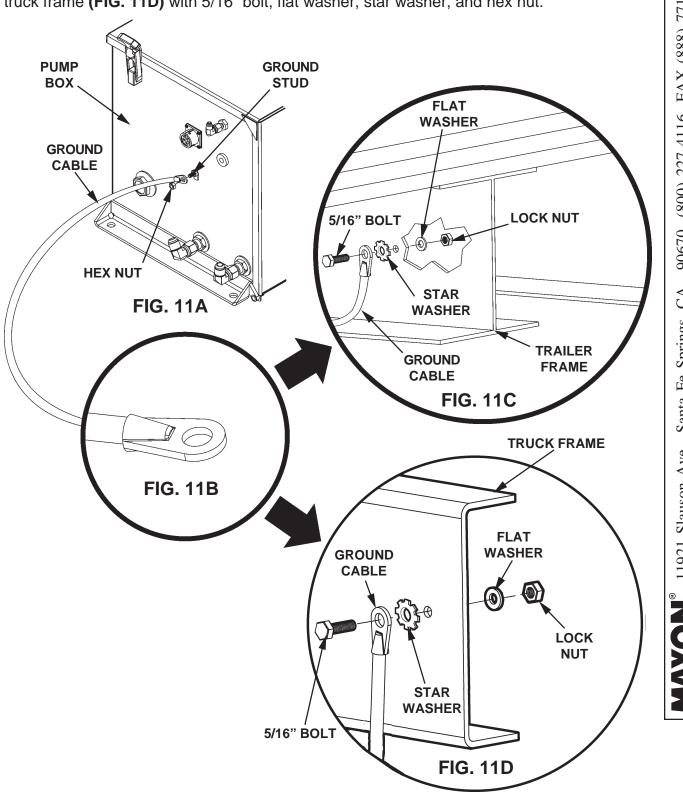
STEP 10 - RUN ELECTRIC CABLES



PAGE 19

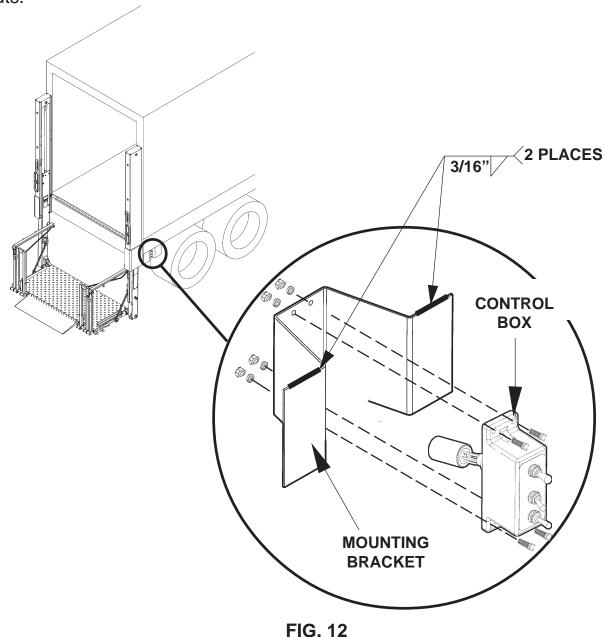
STEP 11 - CONNECT GROUND CABLE

Remove hex nut from electrical ground stud on Pump Box (FIG. 11A). Place a Ground Cable terminal lug on stud. Re-install and tighten hex nut. Extend Ground Cable to reach vehicle frame. Drill 3/8" hole for bolting Ground Cable (FIG. 11B) to trailer frame (FIG. 11C) or truck frame (FIG. 11D). Bolt the Ground Cable terminal lug to trailer frame (FIG. 11C) or truck frame (FIG. 11D) with 5/16" bolt, flat washer, star washer, and hex nut.



STEP 12 - INSTALL CONTROL BOX & BRACKET

Get Switch Control Box, Bracket, (4) #10 machine screws, #10 lock washers and #10 hex nuts from Part Box. Weld the Bracket under the vehicle body on the curb-side of vehicle as shown in **FIG. 12**. Bolt Switch Control Box to Bracket with (4) #10 machine screws, (4) #10 lock washers and (4) #10 hex nuts.



If Liftgate comes with Hand-Held Control Kit, install Hand-Held Control according to **Instruction Sheet M-00-23** contained in each Kit.

STEP 13 - RUN CHARGE LINES

A CAUTION

Never route an energized wire. Make sure battery is disconnected. Always route electrical wires clear of moving parts, brake lines, sharp edges and exhaust systems. Avoid making sharp bends in wiring. Attach securely. If drilling is necessary, first check behind the drilling surface so you do not damage any fuel lines, vent lines, brake lines or wires.

NOTE: Make sure cable is long enough to reach Master Disconnect Switch on Liftgate Pump Box (or circuit breaker in Optional Battery Box, if installed) without putting tension on the cable.

Install Truck Charge Line by running Charge Line along truck frame flange (FIG. 13A), from truck battery to Liftgate Pump Box Master Disconnect Switch (FIG. 13B) or circuit breaker in Optional Battery Box (FIG. 13C), if installed. Use cable installation clips and plastic ties (as required) from Truck Charge Line Kit to secure cable. If Liftgate comes with:

- 1. Single Pole Tractor Charge Line Kit
- 2. Single Pole Trailer Charge Line Kit
- 3. Dual Pole Tractor Charge Line Kit
- 4. Dual Pole Trailer Charge Line Kit

Install Charge Line according to **Instruction Sheet M-00-31** contained in each Kit.

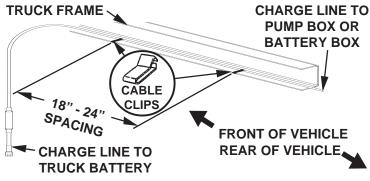


FIG. 13A

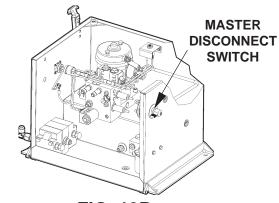


FIG. 13B

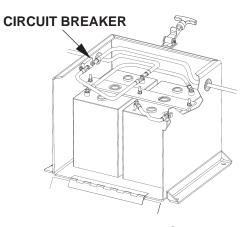


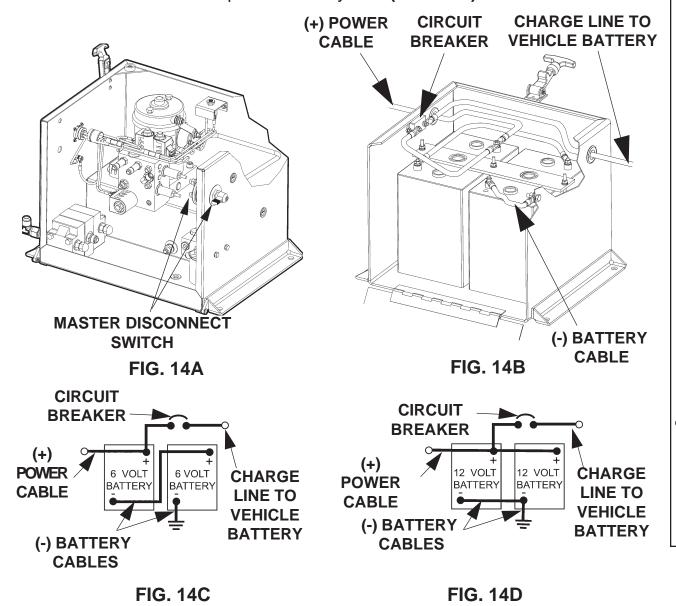
FIG. 13C

STEP 14 - CONNECT BATTERIES TO LIFTGATE

WARNING

To prevent injury and equipment damage, make sure Master Disconnect Switch is in the OFF position before connecting vehicle Charge Lines or Power Cables.

Typical battery cable connections, for two 6 VOLT batteries connected in series (12 VOLT output) are shown in FIG. 14C. To use 12 VOLT batteries with a 12 VOLT output, connect batteries in parallel as shown in FIG. 14D. Connect vehicle Charge Line to Master Disconnect Switch in Pump Box (FIG. 14A). If Optional Battery Box (FIG. 14B) is installed, connect (+) Power Cable to Master Switch in Pump Box (FIG. 14A) and connect vehicle Charge Line to circuit breaker in Optional Battery Box (FIG. 14B).

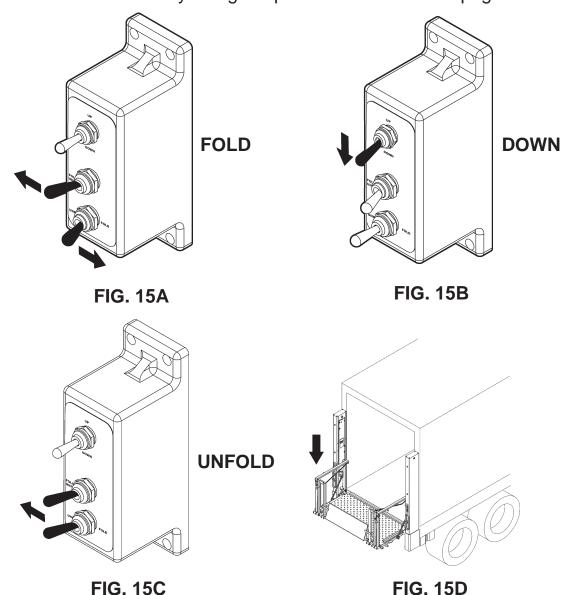


STEP 15 - PRESSURIZE HYDRAULIC SYSTEM

A WARNING

To prevent injury and equipment damage, pressurize Hydraulic System before operating Liftgate.

To pressurize Closing Cylinder, set Control Box toggle switches to **FOLD** for 10-15 seconds as shown in **FIG. 15A**. Next, lower (**DOWN**) the Platform (**FIG. 15D**) about 6" using toggle switch settings shown in **FIG. 15B**. Open (**UNFOLD**) the Platform by setting toggle switches as shown in **FIG. 15C**. Last, lower (**DOWN**) the Platform (**FIG. 15D**) to ground level using the toggle switch settings shown in **FIG. 15B**. Continue to hold switches in position (**FIG. 15B**) for 10-15 seconds after Platform reaches ground level. Make sure Hydraulic Fluid is at the correct level by doing the procedure on the next page.



STEP 15 - PRESSURIZE HYDRAULIC SYSTEM -Continued

NOTE:

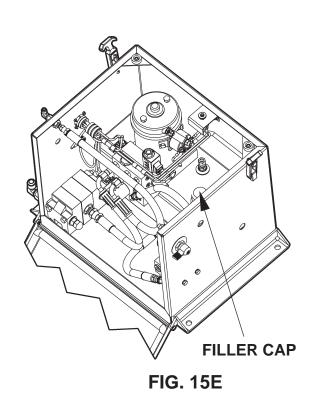
GRAVITY DOWN LIFTGATES - Make sure Platform is open and lowered to ground level before checking Hydraulic Fluid level.

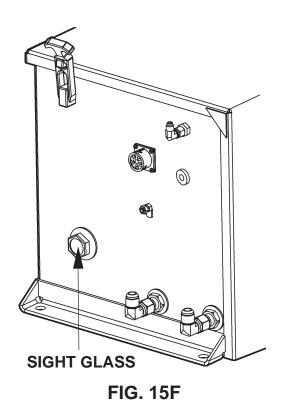
POWER DOWN LIFTGATES - Make sure Platform is open and even with vehicle floor before checking Hydraulic Fluid level.

Check if Hydraulic Fluid fills half of the Sight Glass (FIG. 15F) on Pump Box. If fluid fills less than half of the Sight Glass, remove Filler Cap (FIG. 15E) and add Hydraulic Fluid until Sight Glass (FIG. 15F) is half full. Use correct grade of hydraulic fluid for your location.

+20 to +150 Degrees F **Grade ISO-32** Below + 20 Degrees F **Grade ISO-15**

Reinstall the Filler Cap (FIG. 15E).

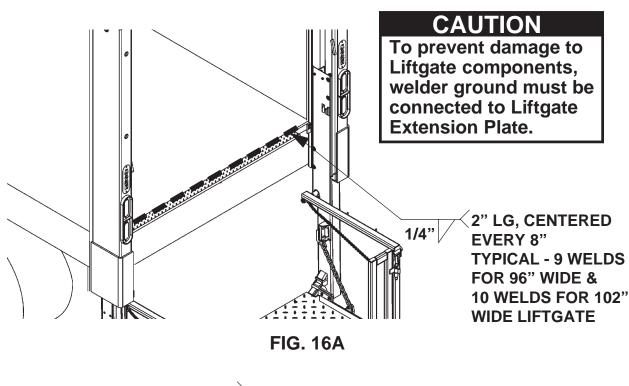




PAGE 25

STEP 16 - WELD LIFTGATE EXTENSION PLATE

Make sure Platform is at ground level to provide access to the Extention Plate. Weld the top and bottom surfaces of Extention Plate (FIG. 16A) to vehicle body with 2" long welds centered every 8". Weld entire length (FIG. 16B) on the bottom of LH and RH End Blocks.



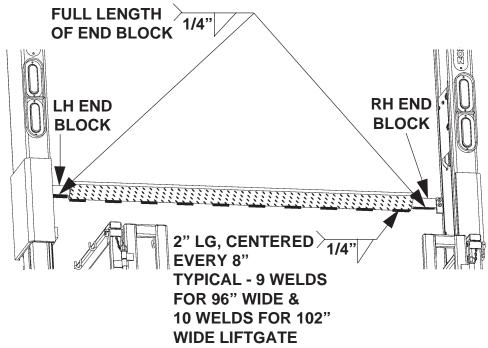


FIG. 16B

STEP 17 - PLACE LIFTGATE DECALS

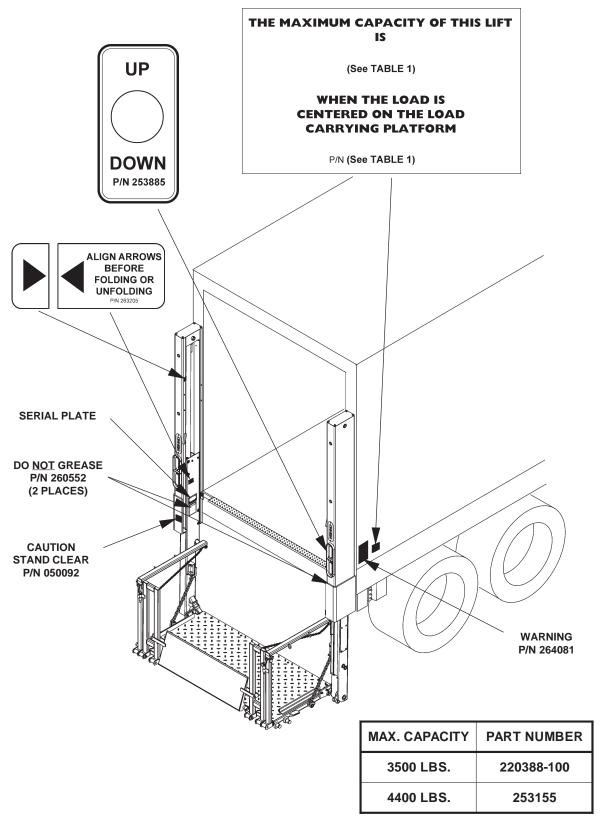


TABLE 1

STEP 17 - PLACE LIFTGATE DECALS - Continued



WARNINGREAD CAREFULLY



- Improper operation of this Lift can result in serious personal injury. Do not operate unless you have been properly instructed and have read, and are familiar with the operating instructions. If you do not have a copy of the instructions, please obtain them from your employer, distributor, or lessor, before you attempt to operate Lift.
- Be certain that the vehicle is properly and securely braked before using the Lift.
- Always inspect this Lift for maintenance or damage before using it. If there are signs of improper maintenance, damage to vital parts, or slippery Platform surface, do not use the Lift until these problems have been corrected.
- Do not overload the Lift. The load limit is based on evenly distributed cargo over the entire Platform surface. If you are using a pallet jack, be sure it can be maneuvered safely. Do not operate a forklift on the Platform or travel with the platform in an open position at any time.
- Load should be placed in a stable position close to the edge of the Platform nearest the truck. The heaviest portion of the load should never be placed beyond the center of the Platform away from the truck.
- Never allow yourself, a helper, or bystander to stand in a position where a falling load could land on either of you. Also do not allow any part of yours or your helper's body to be placed under, within, or around any portion of the moving liftgate, or it's mechanisms, or in a position that would trap them between the platform and the ground or truck when the liftgate is operated.
- If a helper is riding the Platform with you, make sure you are both doing so safely and that you are not in danger of coming in contact with any moving or potentially moving obstacles. <u>USE GOOD COMMON SENSE</u>. If load appears to be unsafe, do not lift or lower it.

MAXON LIFT CORP. PART NO. 264081

CAUTION
STAND CLEAR
WHEN OPERATING

50092

DO NOT
GREASE
COLUMNS

PAGE 28

correctly for dock loading capability.

MAXON®

PRE-DELIVERY INSPECTION FORM BMR-A-CS & ONE PIECE MODELS

Model:		-		te: chnician:
Pre-Installation Inspection:			Ele	ctrical Inspection:
	Correct Model			Check Power/Charge Plug and
	Correct Capacity			Terminal
	Correct Platform Size			Check for loose wires and Terminals
	Correct Options			Circuit Breaker, Fittings
	Manuals & Decals			Battery hookup, 6 Volt vs. 12 Volt Check for fully charged Batteries
				Inspect all Solenoid connections
Stru	ctural Inspection:			Check all wiring harness connections
	Inspect alignment of Final Assembly			Outside Control Box location
	Inspect Pump Box secure mounting			Wiring Harness connections (at the
				bottom of the curb-side Runner) tight
	Inspect all installation welds			and secure
	Check Roll Pins, Bolts and Fasteners			
	Check for no twists in Chain			eration Inspection:
	Check for Torsion Spring engagement			Check operation of outside control
	Ensure Platform Ramp touches			Check operation of Runner control
	ground			Platform folds and unfolds in 4-6
				seconds (See open/close speed
11	mandia lunama atiana			adjustments in Maintenance Manual)
нуа	raulic Inspection:			Lowering Speed 10-25 seconds
	Proper Fluid Level (See Manual)			Platform raises and lowers evenly
	Check fittings for leaks in Pump Box			Platform stores and locks securely
	Check fittings for leaks in Columns			behind both Column Wedges
	Check for chafing of Closing Cylinder			Check lift operation under load
_				Decals in correct location and legible
	Hose and Spring Guard			Check that Platform Railing operates