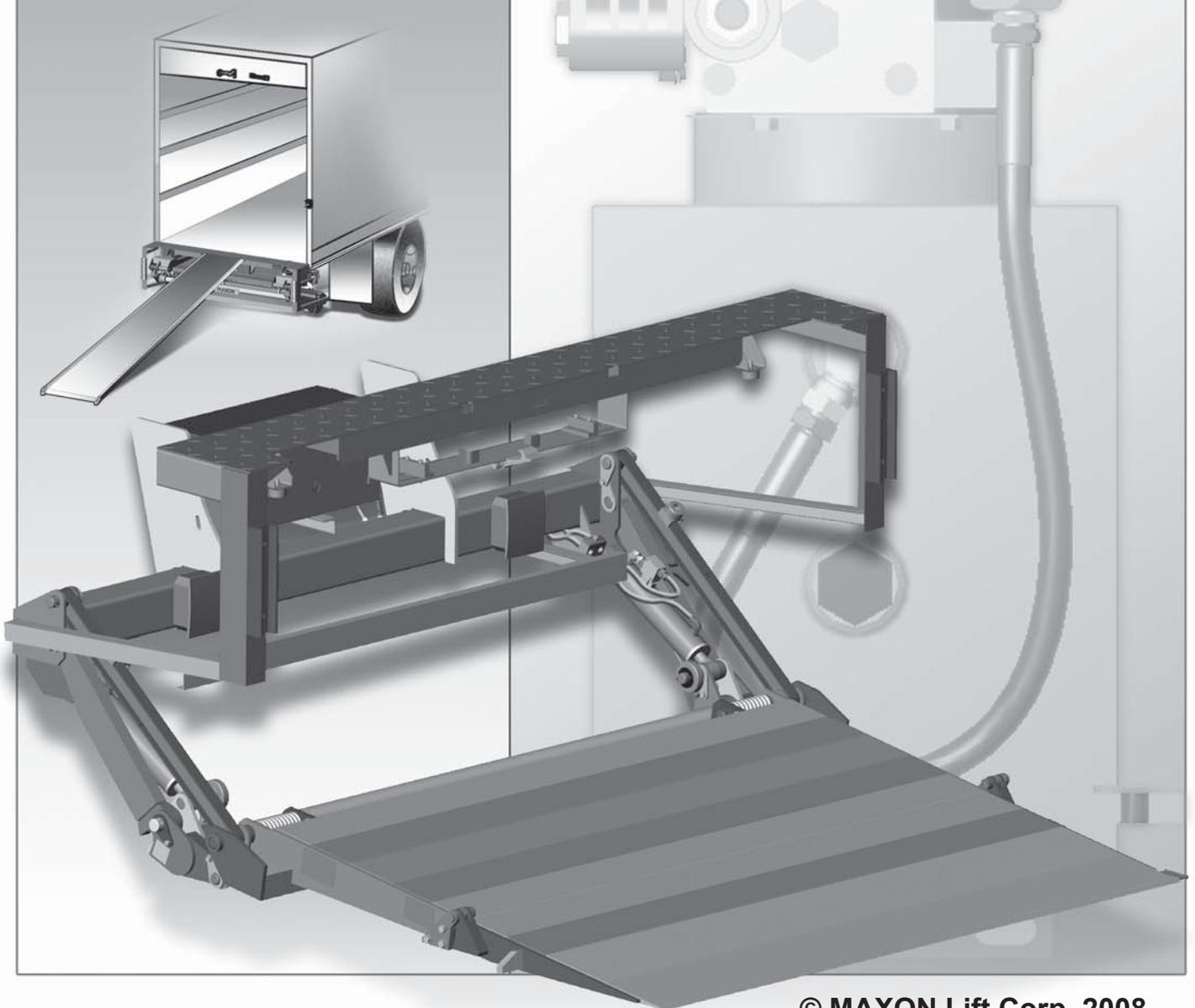


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APRIL 2008

# MAXON®

## GPTWR-3

### INSTALLATION MANUAL



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Comply with the following **WARNINGS** while installing Liftgates. See Operation Manual for operating safety requirements.

## **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**.
- Comply with all **WARNING** and instruction decals attached to the Liftgate.
- Keep decals clean and legible. If decals are illegible 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, 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 performing maintenance on the Liftgate and handling the battery. 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 switch to stop the Liftgate.
- A correctly installed Liftgate operates smoothly and reasonably quiet. The only noticeable noise during operation comes from the power unit while the platform is raised and lowered. 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 can become 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.
- Recommended practices for welding on steel parts are contained in the current **AWS (American Welding Society) D1.1 Structural Welding Code - Steel**. Damage to Liftgate and/or vehicle, and personal injury could result from welds that are done incorrectly.

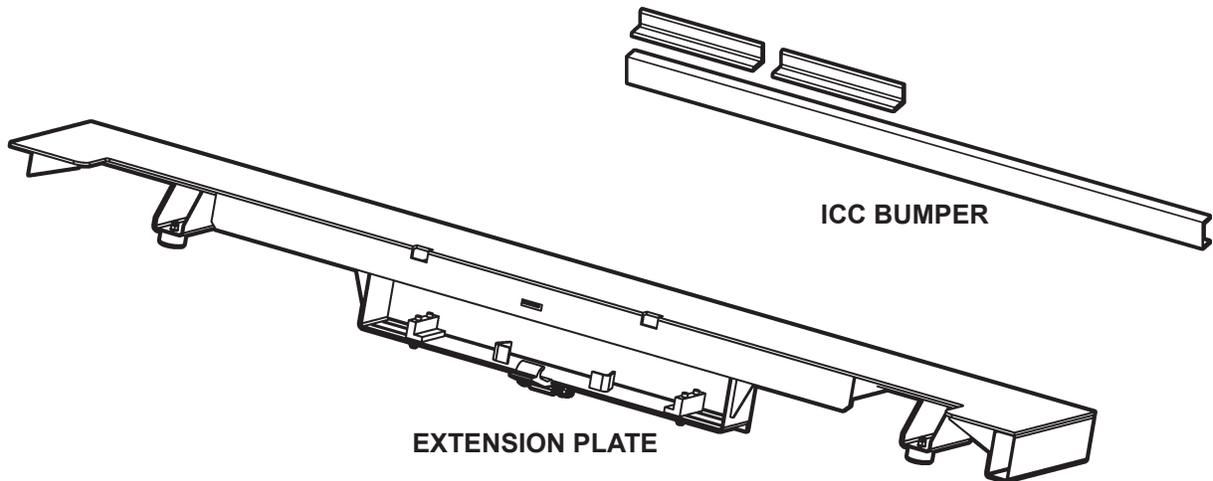
# STANDARD LIFTGATE COMPONENTS

## ⚠ CAUTION

Unpacking the Liftgate on unlevel surface may allow heavy components to slide off when shipping bands are cut. Injury and equipment damage could result. Before the shipping bands are cut, put Liftgate on level surface that will support 1500 lbs. When unpacking the Liftgate, remove heavy components carefully to avoid injury and damage.

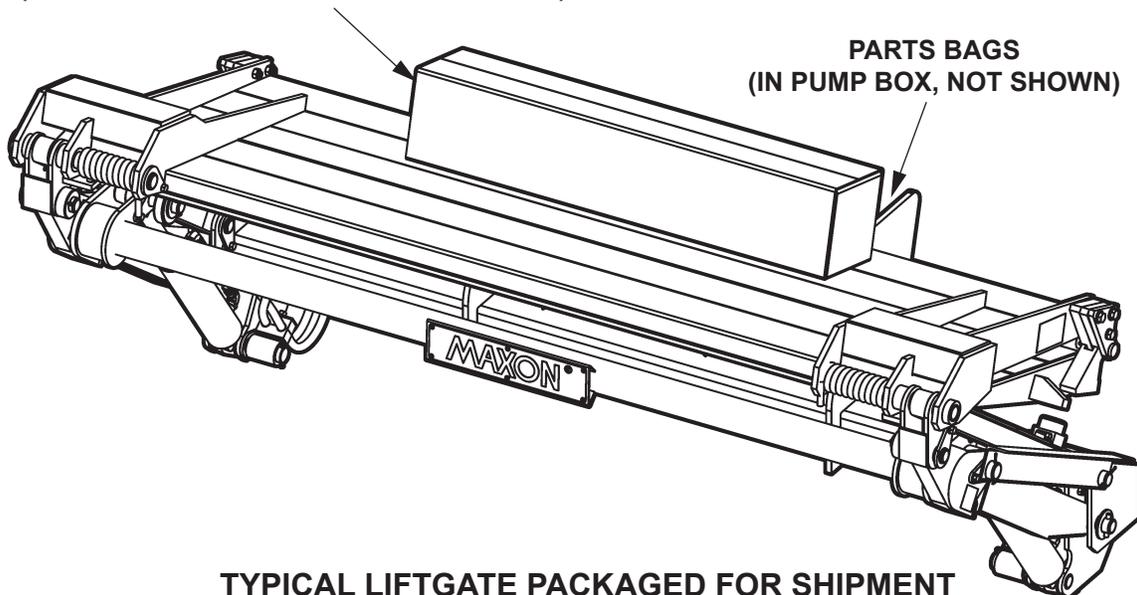
**NOTE:** Make sure you have all components and parts before you start installing Liftgate. Compare parts in the part box and each kit box with packing list enclosed in each box. If parts and components are missing or incorrect, call:

**Maxon Customer Service**  
Call (800) 227-4116 or  
Send e-mail to [cservice@maxonlift.com](mailto:cservice@maxonlift.com)



**BOXED COMPONENTS**  
(INCLUDES STEEL DOCK BUMPER PARTS)

**PARTS BAGS**  
(IN PUMP BOX, NOT SHOWN)



## GPTWR-3 SERIES INSTALLATION PARTS BAGS

	NOMENCLATURE OR DESCRIPTION	QTY.	PART NUMBER
1	PUMP ASSY, POWER DOWN	1	267490-01
2	HEAT SHRINK TUBING, 3/4" X 1-1/2" LG.	1	253316-04
3	MOLDED SWITCH ASSEMBLY	1	264951-01
4	SHIM, 3-1/2" X 1-3/4" X 1/4"	2	264731
5	SHIM, 2-1/2" X 1" X 1/16"	2	264732
6	FLAT, 2-1/2" 1" X 1/8"	2	201999
7	FLAT, 5" X 4" X 3/8"	2	229295
8	COPPER LUG, 5/16" RING (2 GA)	1	906497-02
9	SELF-TAPPING SCREW, #10-24 X 1" LG.	4	900057-5
10	CLAMP, #10 RUBBER LOOM	2	801681
11	FRAME CLIP, 1/2" X 1-3/8"	7	050079
12	DECAL & MANUAL KIT	1	265331-01
	A. OPERATION MANUAL	1	M-06-15
	B. INSTALLATION MANUAL	1	M-06-14
	C. MAINTENANCE MANUAL	1	M-06-16
	D. WARRANTY CARD	1	M-78-78
	E. CUSTOMER SURVEY CARD	1	M-94-04
	F. DECALS	-	<b>REFER TO DECAL PAGES IN THIS MANUAL</b>
13	FUSED POWER CABLE, 200 AMP, 38' LG.	1	264422
14	RUBBER DOCK BUMPER KIT	1	203410

**TABLE 5-1**

11921 Slauson Ave. Santa Fe Springs, CA. 90670 (800) 227-4116 FAX (888) 771-7713

**MAXON**<sup>®</sup>

# VEHICLE REQUIREMENTS

**NOTE: BODY maximum and minimum operating bed height:**

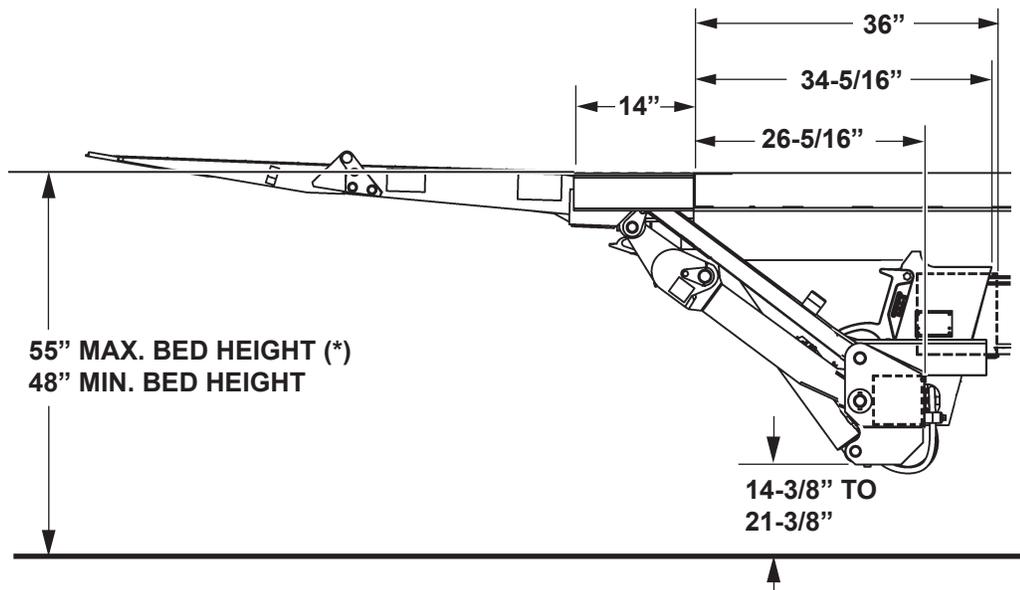
**For GPTWR-3 with standard platform:**

Maximum height is **55"** (Unloaded) (**FIG. 6-1**). Minimum height is **48"** (Loaded). On vehicle bodies equipped with swing open doors, the extension plate and vehicle body must be modified to install this Liftgate.

**NOTE:** Make sure vehicle is parked on level ground while preparing vehicle and installing Liftgate.

**NOTE:** Dimensions are provided as reference for fitting Liftgate to vehicle body.

1. Check for correct clearances (**FIG. 6-1**) on vehicle to prevent interference between vehicle and Liftgate.



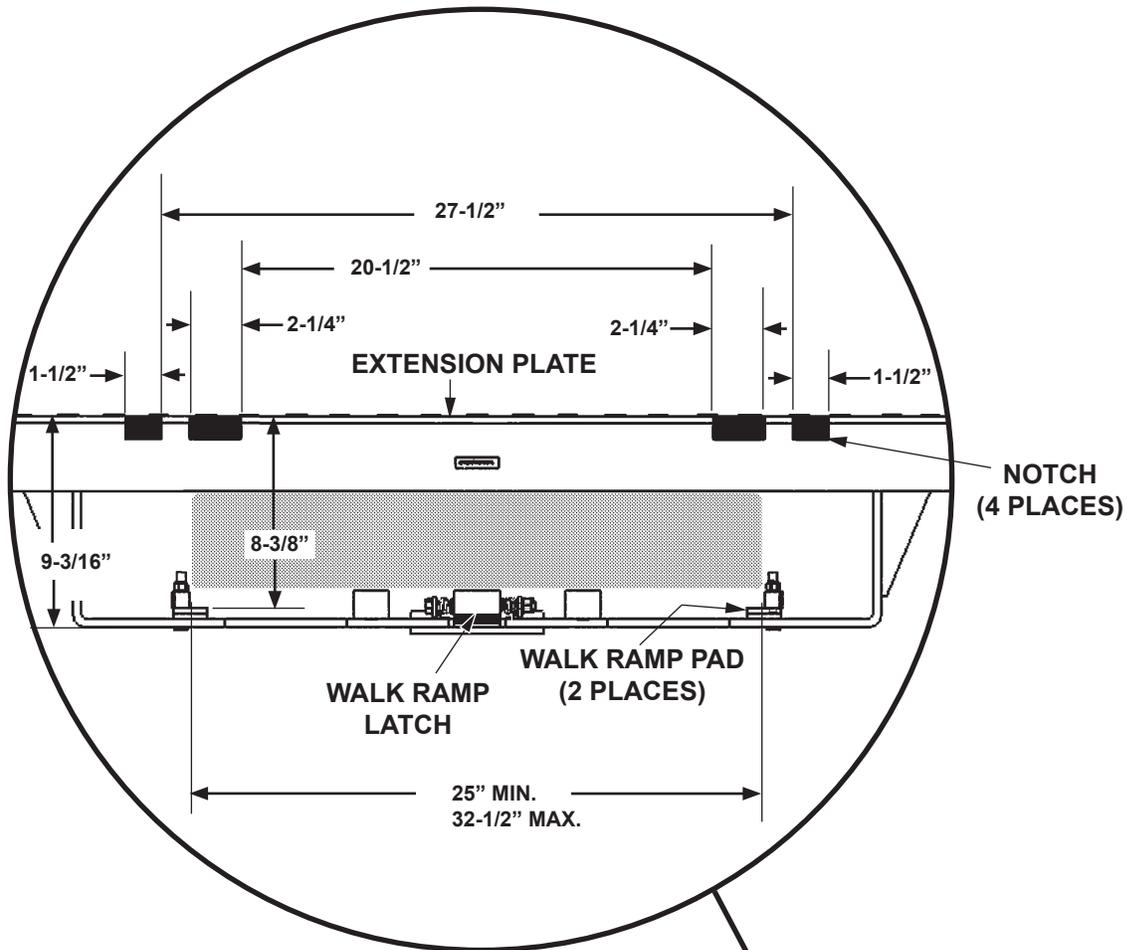
(\*) FOR 53 TO 55" BED HEIGHT, INSTALL KNUCKLE DOWN KIT P/N 268134-01.

## GPTWR-3 LIFTGATE CLEARANCE DIMENSIONS

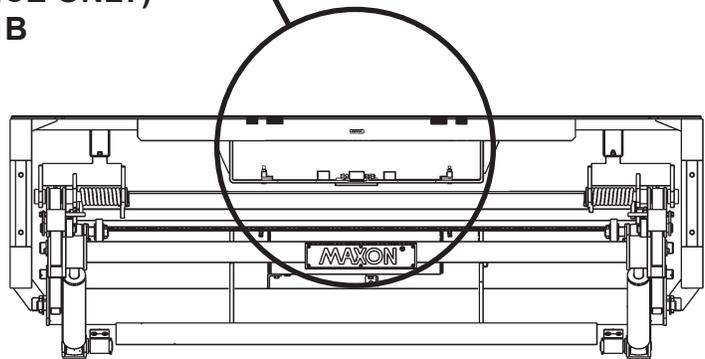
FIG. 6-1

## VEHICLE REQUIREMENTS - Continued

2. Check for correct clearances between walk ramp, walk ramp box, and the extension plate (FIGS. 7-1A and 7-1B) to prevent interference.



**WALK RAMP BOX  
CLEARANCE DIMENSIONS  
(FOR REFERENCE ONLY)  
FIG. 7-1B**



**GPTWR-3 LIFTGATE WITH WALK RAMP BOX  
FIG. 7-1A**

## VEHICLE REQUIREMENTS - Continued

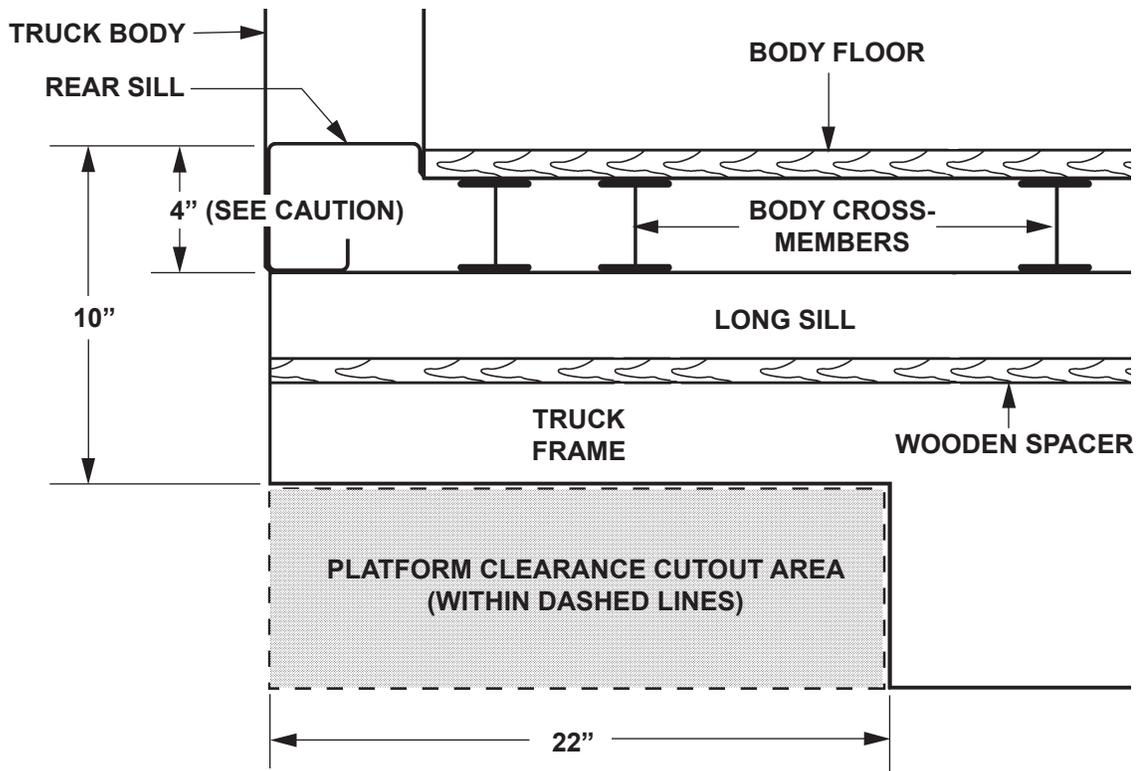
### CAUTION

- To prevent aluminum platform from being damaged, make sure vehicle frame is cut correctly and rear sills are modified if over 4" in height. If the cutouts are incorrect, platform may hit vehicle frame or underbody when stowing the Liftgate. If the rear sill is over 4" in height, bottom of the platform may hit the sill.
- Installer is responsible for ensuring that vehicle body and frame modifications do not adversely affect the integrity of the body and frame.

**NOTE:** The dimensions, shown in the illustration below, are maximums except as indicated.

**NOTE:** The platform cutout area shown below applies to trucks and trailers.

3. Fit the Liftgate to vehicle body by cutting vehicle frame as shown in **FIG. 8-1**.



**VEHICLE FRAME CUTOUT FOR GPTWR-3 PLATFORM CLEARANCE  
(TRUCK FRAME IS SHOWN)**

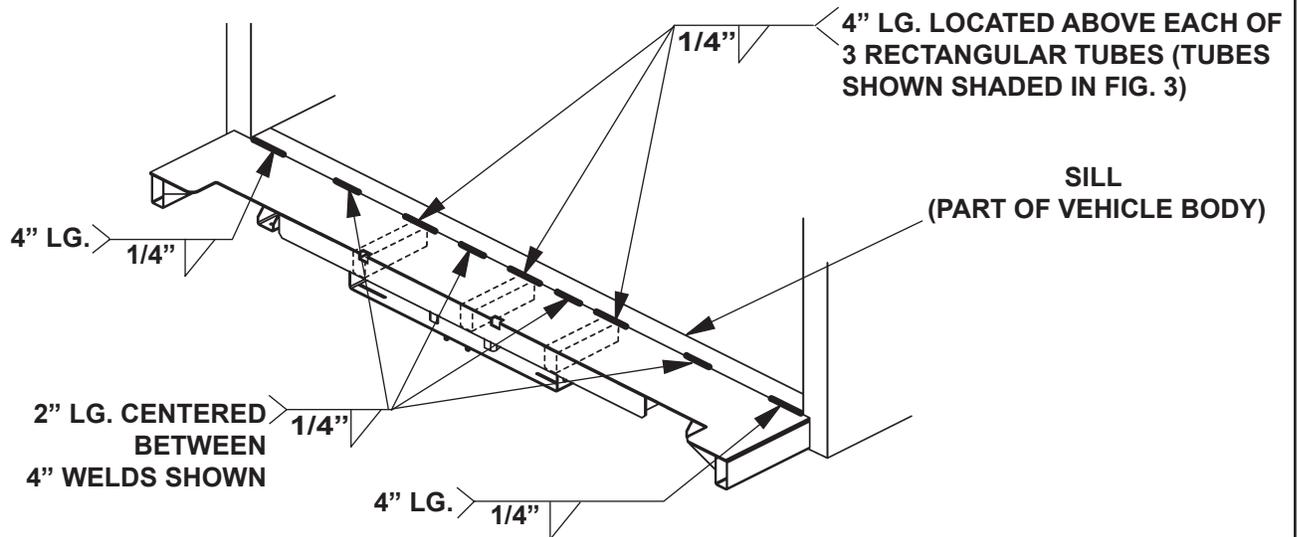
**FIG. 8-1**

# STEP 1 - WELD EXTENSION PLATE TO VEHICLE

## CAUTION

To protect the original paint system, a 3" wide area of paint must be removed from all sides of the weld area before welding.

1. Center the extension plate on vehicle body. Before welding extension plate to vehicle body, make sure top surface of extension plate is flush with floor of vehicle body. Weld the extension plate to vehicle body sill as shown in **FIGS. 9-1, FIG. 10-1, and 10-2.**

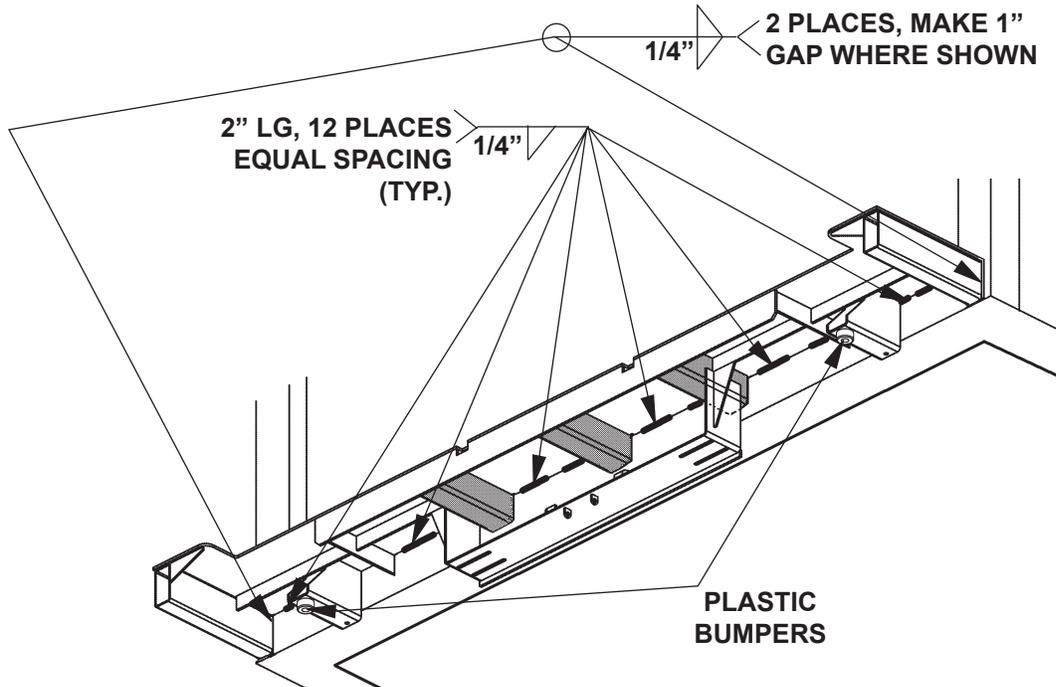


**EXTENSION PLATE WELDS - VIEWED FROM ABOVE  
FIG. 9-1**

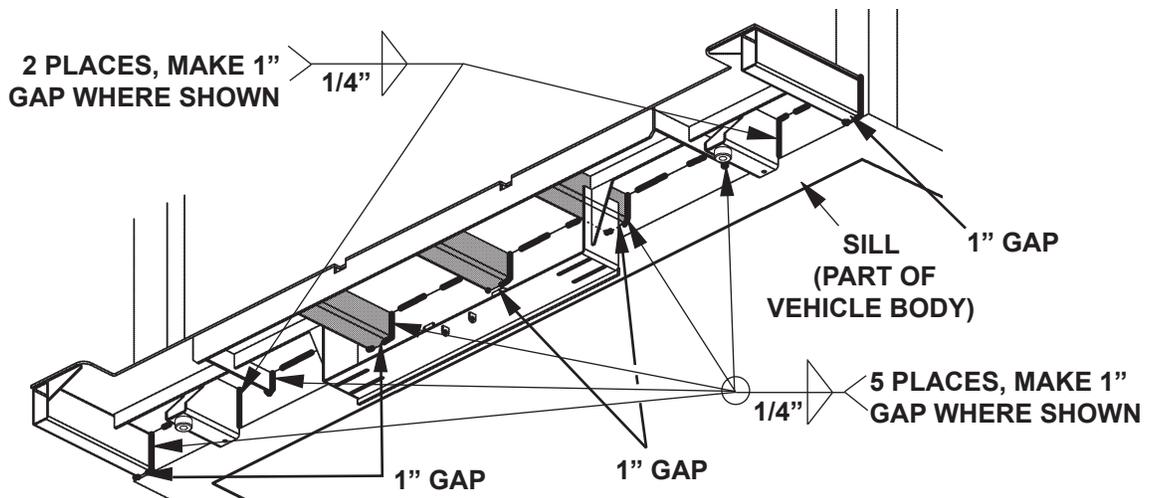
# STEP 1 - WELD EXTENSION PLATE TO VEHICLE - Continued

## CAUTION

To prevent plastic bumpers from being damaged, remove or cover before welding on extension plate.



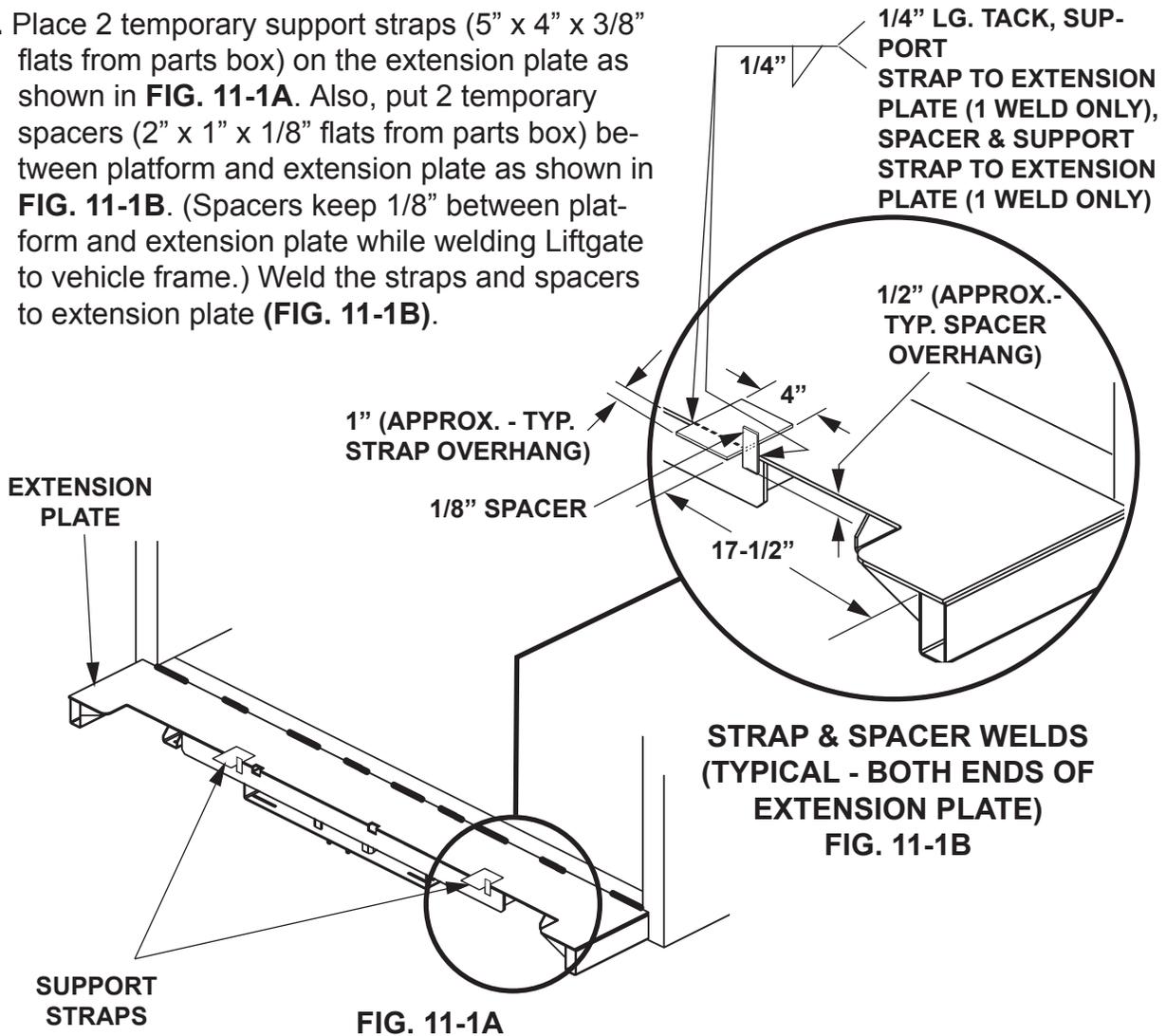
EXTENSION PLATE WELDS - VIEWED FROM UNDERNEATH  
FIG. 10-1



EXTENSION PLATE WELDS - VIEWED FROM UNDERNEATH  
FIG. 10-2

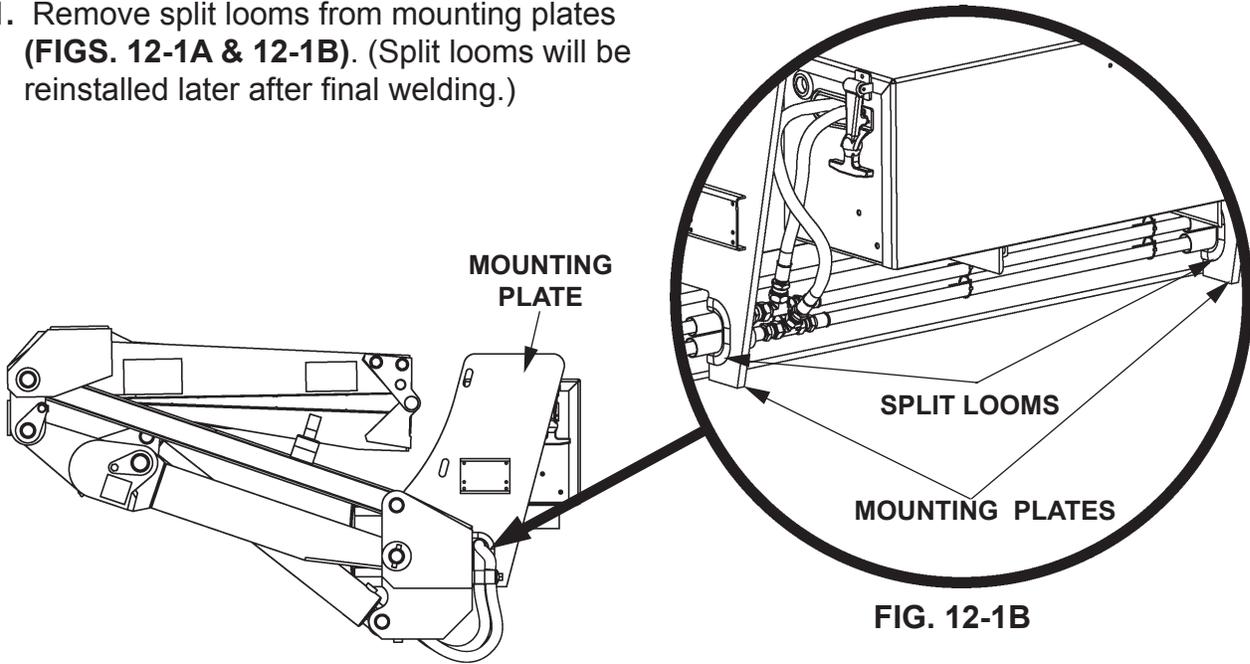
## STEP 1 - WELD EXTENSION PLATE TO VEHICLE - Continued

2. Place 2 temporary support straps (5" x 4" x 3/8" flats from parts box) on the extension plate as shown in **FIG. 11-1A**. Also, put 2 temporary spacers (2" x 1" x 1/8" flats from parts box) between platform and extension plate as shown in **FIG. 11-1B**. (Spacers keep 1/8" between platform and extension plate while welding Liftgate to vehicle frame.) Weld the straps and spacers to extension plate (**FIG. 11-1B**).



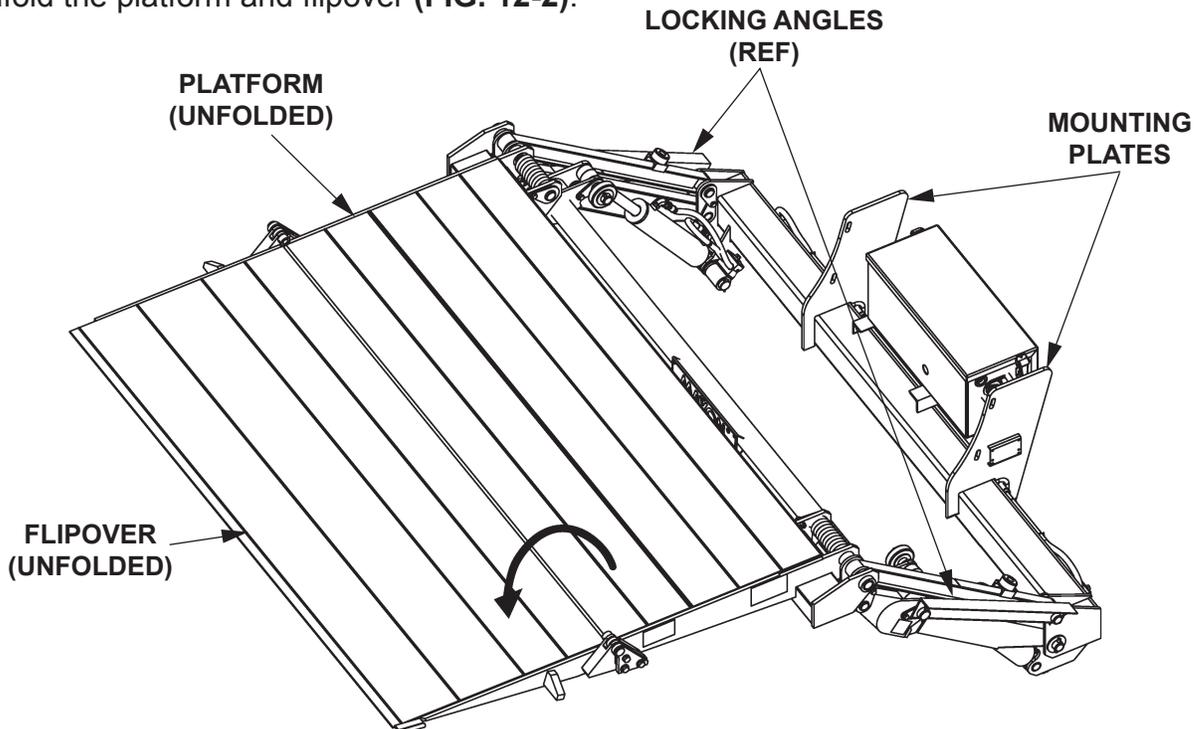
## STEP 2 - WELD LIFTGATE TO VEHICLE

1. Remove split looms from mounting plates (FIGS. 12-1A & 12-1B). (Split looms will be reinstalled later after final welding.)



RH SIDE VIEW OF LIFTGATE  
FIG. 12-1A

2. Unfold the platform and flipover (FIG. 12-2).



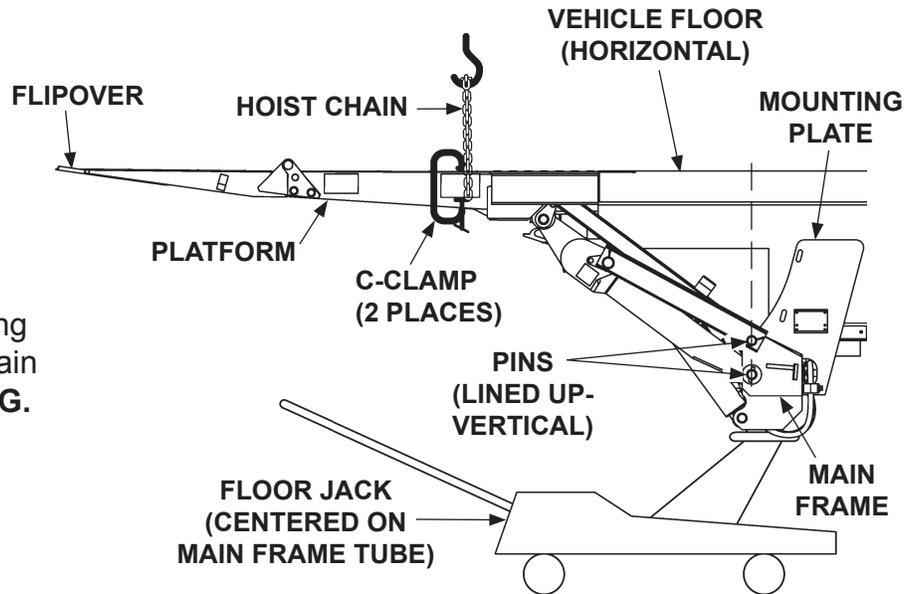
PLATFORM & FLIPOVER UNFOLDED  
FIG. 12-2

## STEP 2 - WELD LIFTGATE TO VEHICLE - Continued

### ⚠ CAUTION

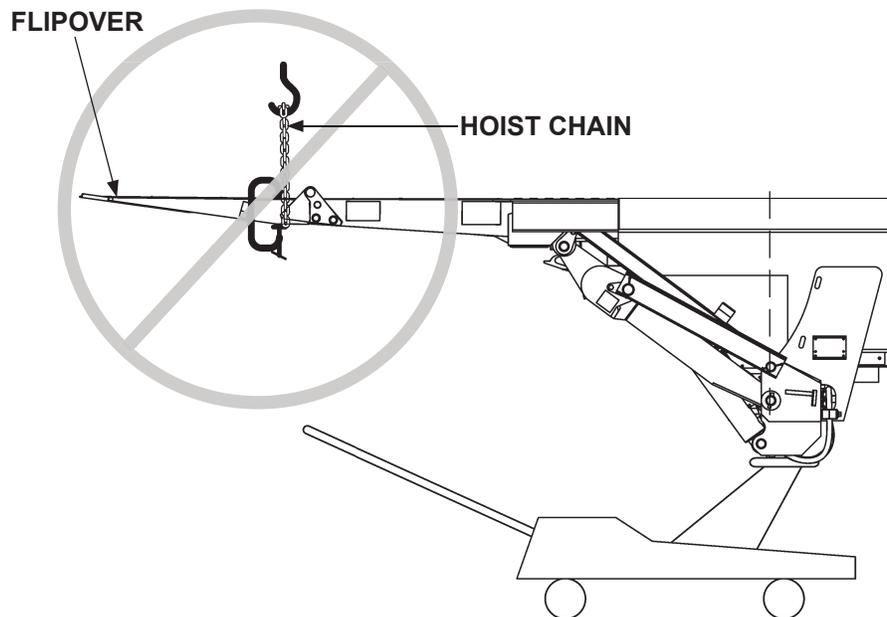
To prevent damage to aluminum flipover, NEVER hoist the Liftgate by the flipover as shown in the NO illustration. Hoist the Liftgate by the platform only as shown in the YES illustration.

3. Make sure hoist is not being set up the incorrect way (FIG. 13-2). Place a "C"-clamp on each side of platform as shown in FIG. 13-1. (Clamps prevent hoist chain from slipping off platform.) Place chain all around platform (FIG. 13-1).



**CORRECT WAY TO HOIST LIFTGATE**  
FIG. 13-1

4. Hoist the Liftgate. Then place floor jack under main frame (FIG. 13-1). Jack the Liftgate into position. Make sure vehicle floor is horizontal and pins are lined up (FIG. 13-1).



**INCORRECT WAY TO HOIST LIFTGATE**  
FIG. 13-2

## STEP 2 - WELD LIFTGATE TO VEHICLE - Continued

### ⚠ WARNING

Liftgate is shipped from factory with mounting plates that are only tack welded to main frame. Weld as shown in illustration before operating Liftgate.

### CAUTION

Prevent damage to hydraulic hoses. If welding next to hydraulic hoses, use a protective cover such as a welding blanket to cover the hoses.

### CAUTION

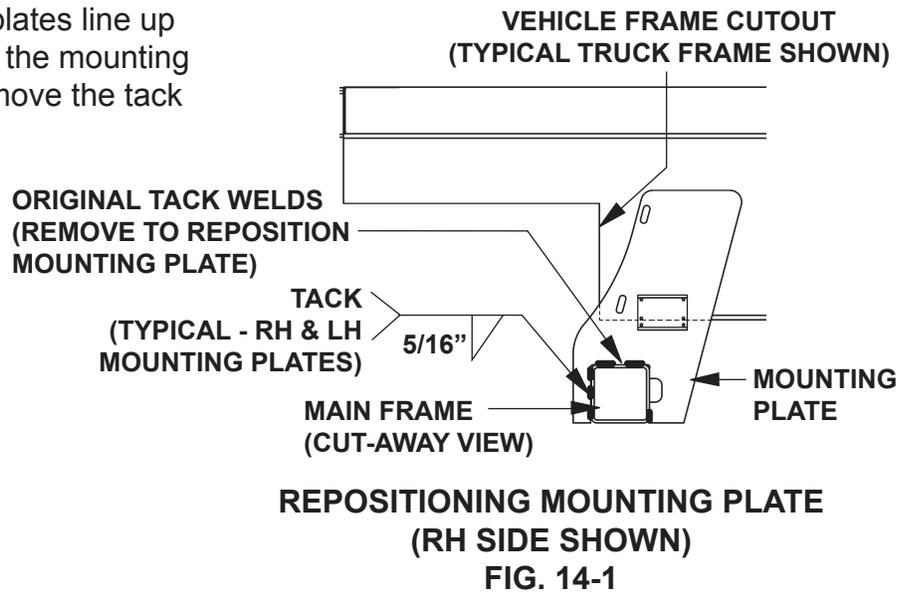
To protect the original paint system, a 3" wide area of paint must be removed from all sides of the weld area before welding.

5. Check if both mounting plates line up with the vehicle frame. If the mounting plates do not line up, remove the tack welds from one mounting plate (**FIG. 14-1**).

Make sure Liftgate stays centered on vehicle.

Reposition the mounting plate against vehicle frame. Tack weld as shown in **FIG. 14-1**.

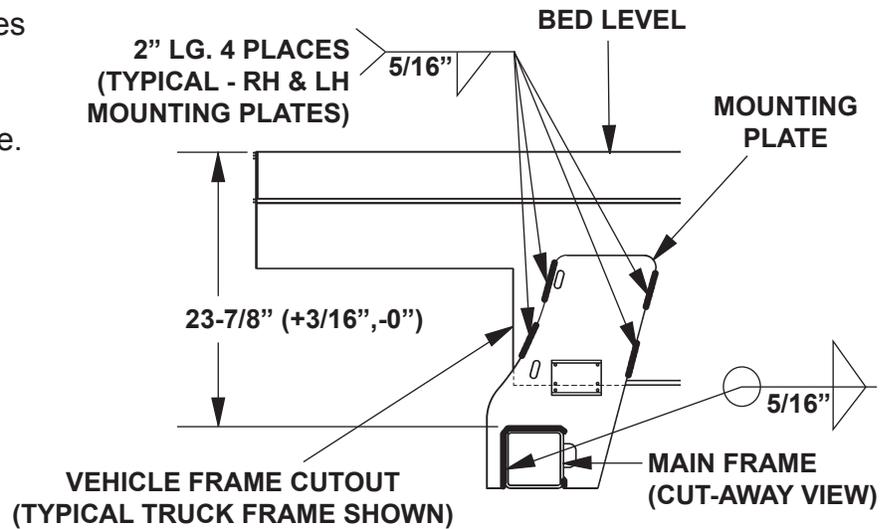
1. Repeat for second mounting plate (reposition and tack weld).



## STEP 2 - WELD LIFTGATE TO VEHICLE - Continued

**NOTE:** Weld both mounting plates to vehicle frame before welding mounting plates to main frame.

6. Clamp both mounting plates to vehicle frame. Check the distance between bed level and top of main frame. Maintain the 23-7/8" distance shown in **FIG. 15-2**. Weld the mounting plates to vehicle frame as shown in **FIG. 15-2**. Next, weld both mounting plates to main frame (**FIG. 15-2**). Remove clamps.



**WELD TO VEHICLE FRAME AND MAIN FRAME  
(RH SIDE SHOWN)**

**FIG. 15-2**

## STEP 3 - RUN POWER CABLE

### **! CAUTION**

Never route an energized wire. Make sure the vehicle 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.

Clip fused power cable to vehicle chassis, with fuse nearest the vehicle battery, as shown in FIG. 16-1. Keep enough cable near the battery to reach the positive terminal without putting tension on cable (after connection). Run bare wire end of cable to Liftgate.

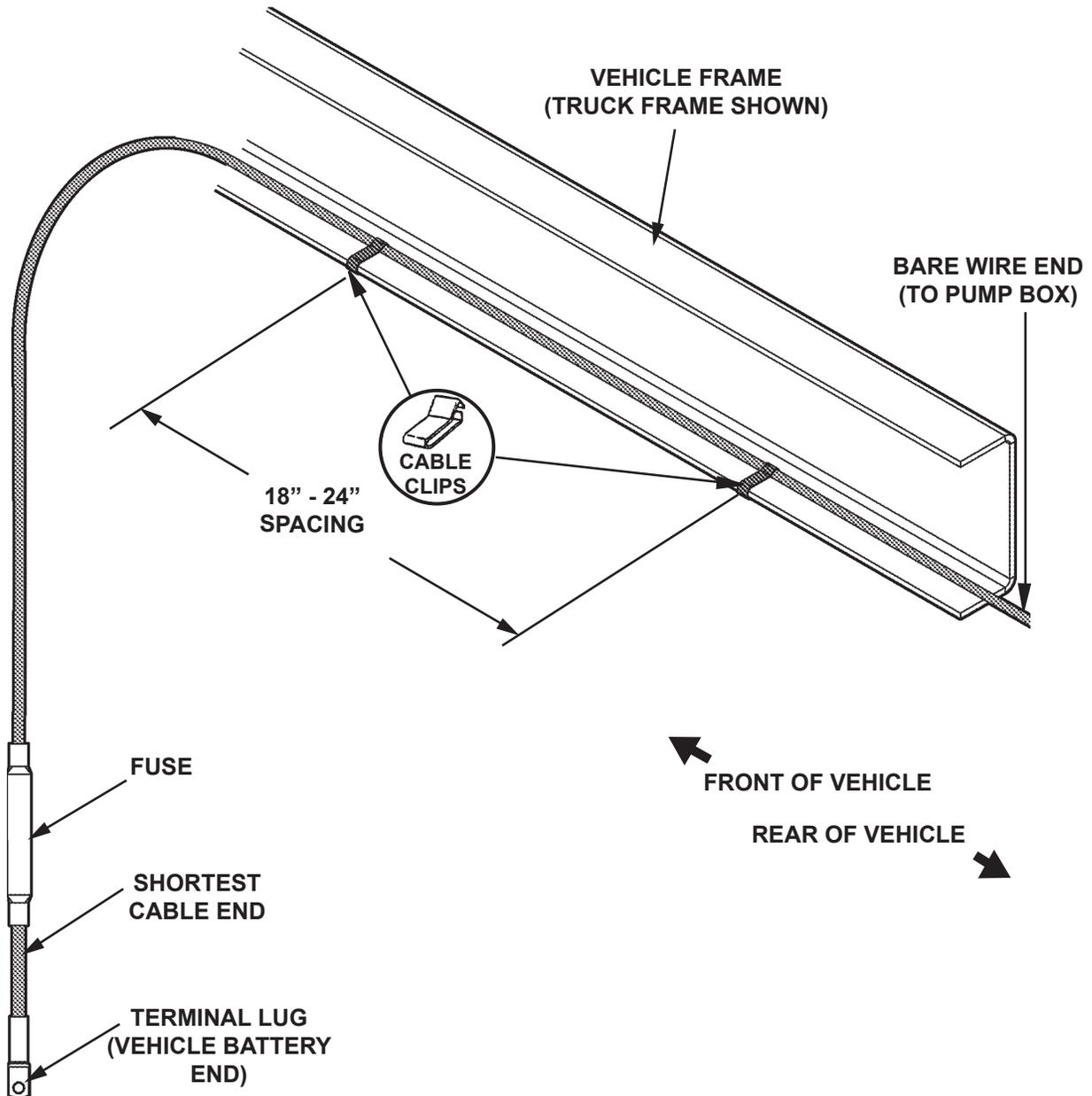
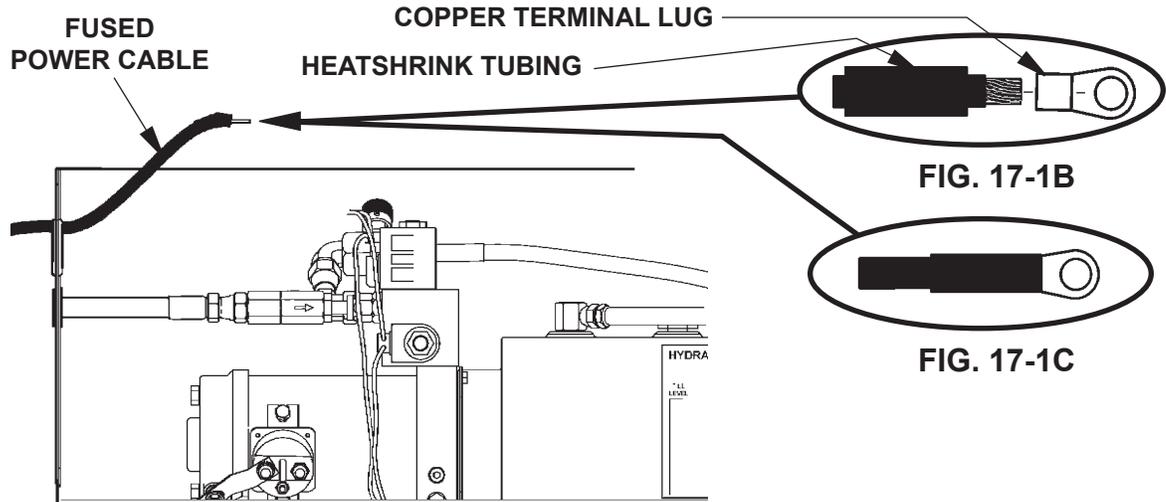


FIG. 16-1

## STEP 4 - CONNECT POWER CABLE

1. On the bare wire end of fused power cable, keep enough length to attach copper terminal lug and reach motor solenoid without putting tension on cable (after connection) (**FIG. 17-1A**). Measure (if needed) and then cut excess cable from bare wire end of cable. Put heatshrink tubing (parts box) (**FIG. 17-1B**) on the end of the cable (leave room for terminal lug). Crimp copper terminal lug (from parts box) on the fused power cable and shrink the heatshrink tubing (**FIG. 17-1C**).

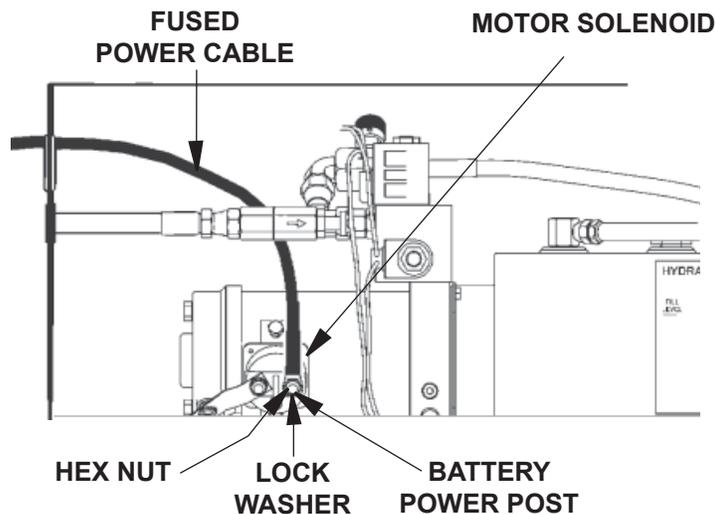


**TYPICAL FUSED POWER CABLE ROUTING  
(POWER DOWN PUMP BOX SHOWN)**

**FIG. 17-1A**

**NOTE:** MAXON recommends using dielectric grease on all electrical connections.

2. Remove hex nut and lock washer from battery power post on the **RAISE** motor solenoid. Connect the fused power cable to the **RAISE** motor solenoid as shown in **FIG. 17-2**. Reinstall and tighten lock washer and hex nut.



**TYPICAL FUSED POWER CABLE ELECTRICAL CONNECTION  
(POWER DOWN PUMP BOX SHOWN)**

**FIG. 17-2**

## STEP 5 - INSTALL CONTROL SWITCH

1. Drill one 3/4" hole and two #21-size holes in the vertical post on curb side of vehicle body as shown in FIG. 18-1A. Use template shown in FIG. 18-1B.

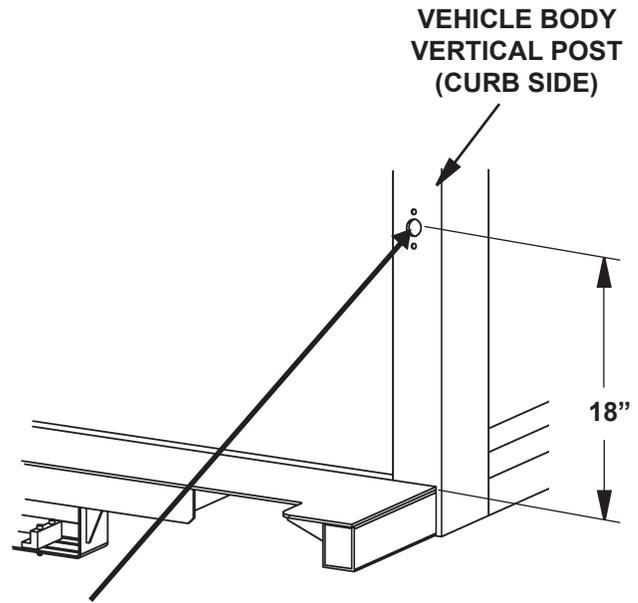
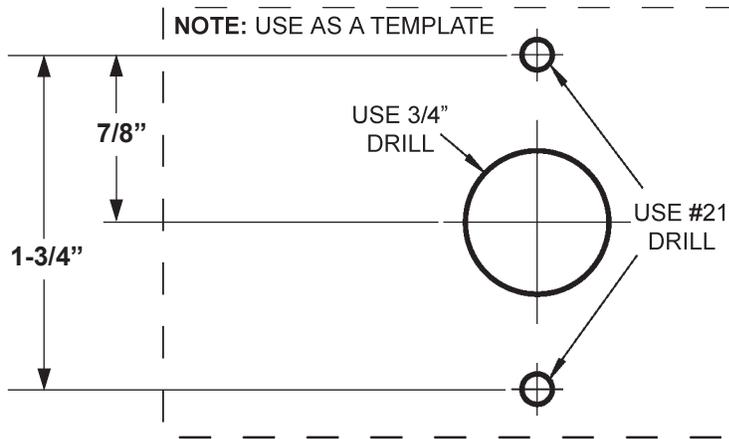


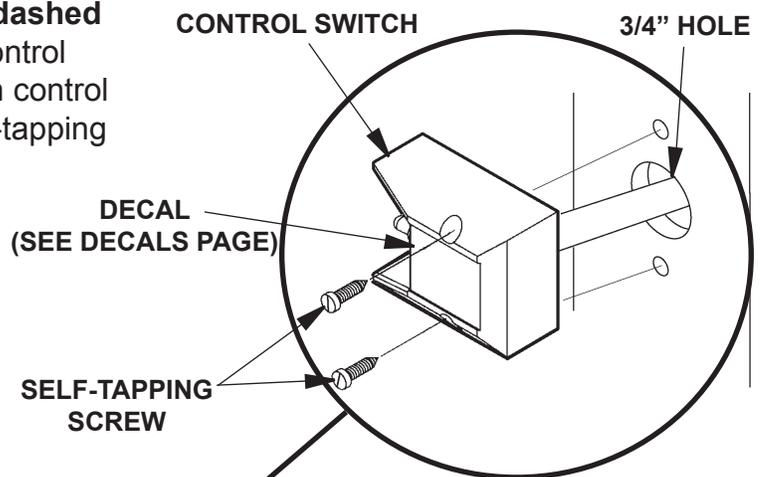
FIG. 18-1A



HOLE DRILLING TEMPLATE  
FIG. 18-1B

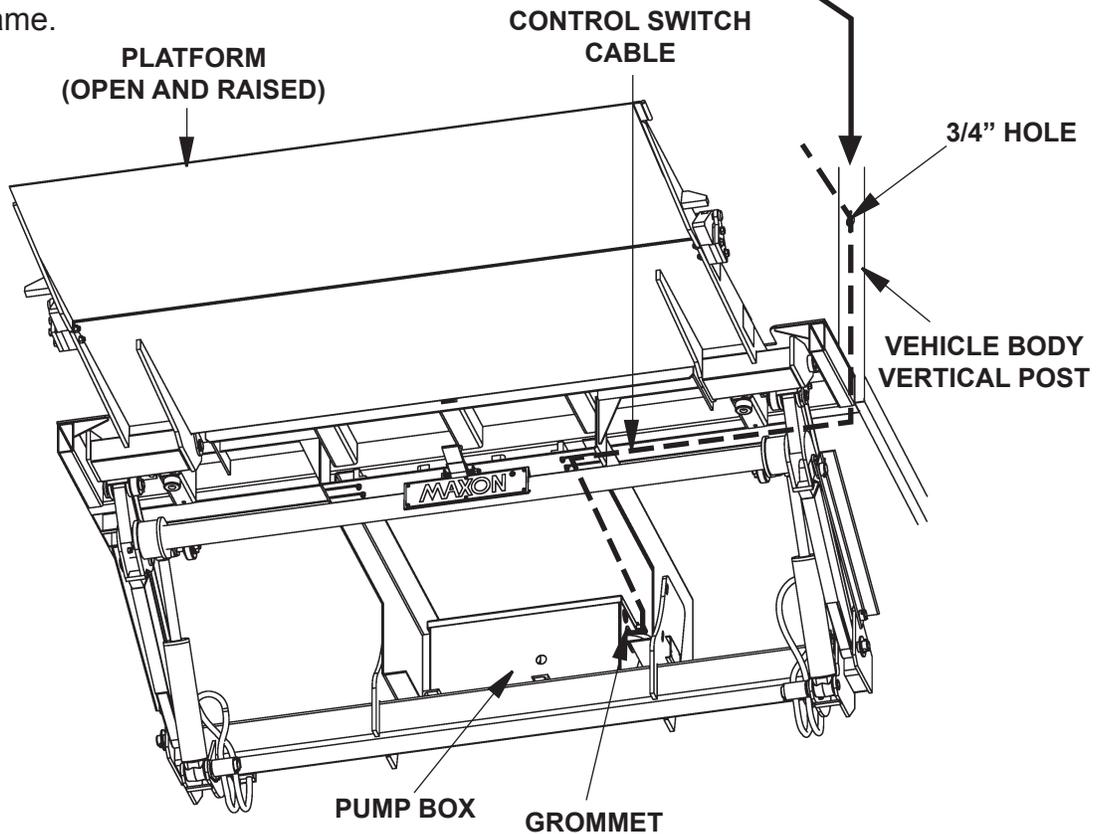
## STEP 5 - INSTALL CONTROL SWITCH - Continued

2. Route the control switch cable through the  $\frac{3}{4}$ " hole in the vertical post (**FIG. 19-1B**) and down the vertical post (**see dashed line in FIG. 19-1A**). When the control switch is close to the post, attach control switch to vertical post with 2 self-tapping screws (**FIG. 19-1B**).



**ATTACHING CONTROL SWITCH  
FIG. 19-1B**

3. Run control switch cable under vehicle body (**see dashed line in FIG. 19-1A**) and through the grommet on the pump box. Use 2 loom clamps and 2 self-tapping screws (parts box) to secure the control switch cable to vehicle frame.



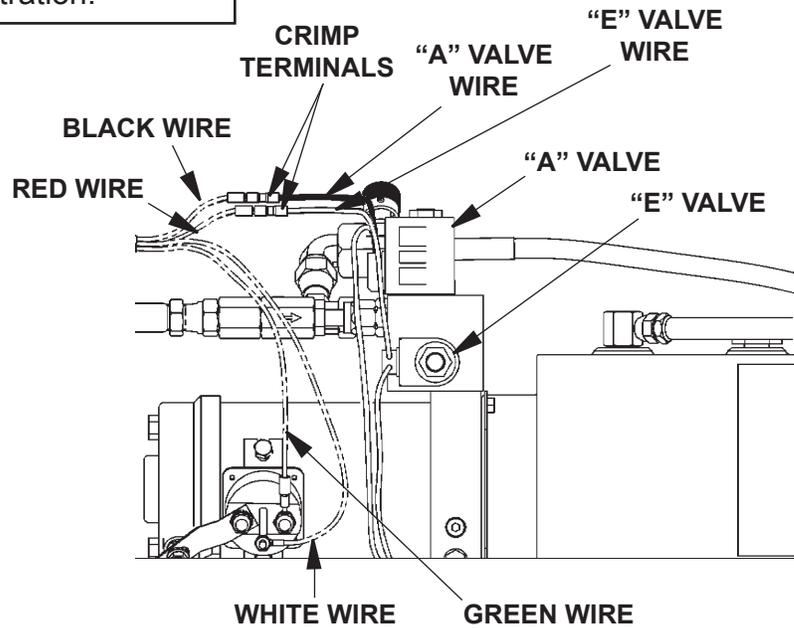
**ROUTING CONTROL SWITCH WIRING  
FIG. 19-1A**

## STEP 5 - INSTALL CONTROL SWITCH - Continued

**NOTE:** MAXON recommends using dielectric grease on all electrical connections.

**NOTE:** An extra crimp-on connector is supplied with the RED wire and BLACK wire on the control switch cable. Crimp each of the extra connectors to the correct wires shown in the illustration.

4. Open the pump box cover. Connect the **RED**, **BLACK**, **GREEN**, and **WHITE** wires from the control switch cable to pump wiring as shown in **FIG. 20-1**.

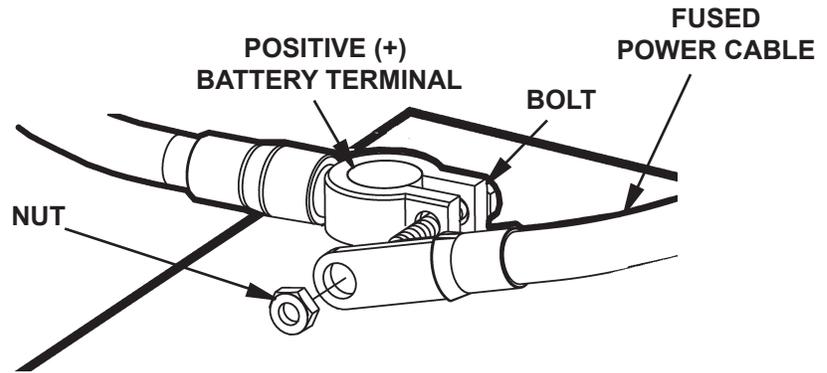


**CONNECTING CONTROL SWITCH  
CABLE TO PUMP WIRING  
FIG. 20-1**

## STEP 6 - CONNECT POWER CABLE TO BATTERY

**NOTE:** MAXON recommends using dielectric grease on all electrical connections.

Remove nut from positive (+) battery terminal connector. Connect power cable to the positive (+) battery terminal connector (**FIG. 21-1**). Re-install and tighten nut.



**FIG. 21-1**

# STEP 7 - REMOVE LOCKING ANGLES & KNUCKLE BOLTS

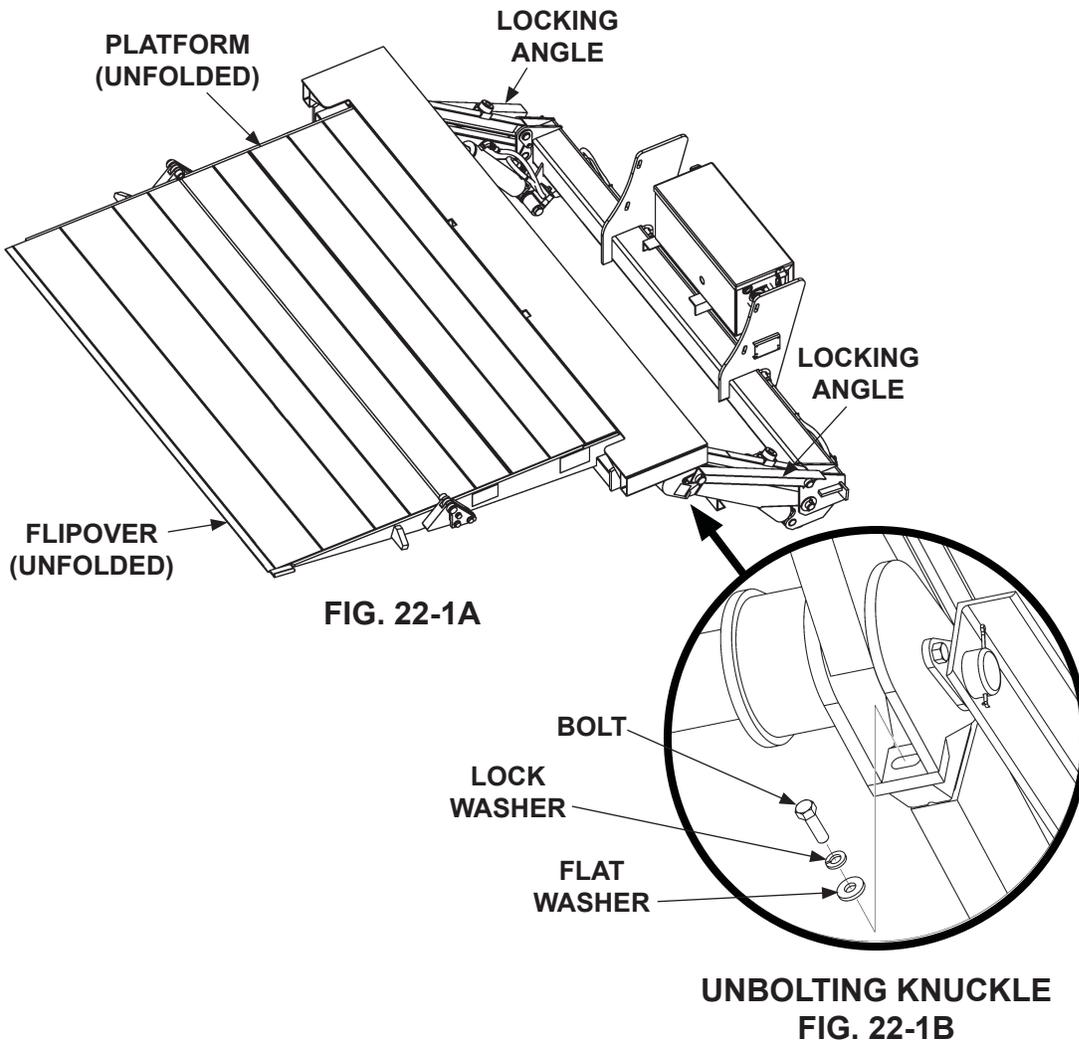
## CAUTION

Check for leaking hydraulic fluid as the system is being pressurized. If there is leakage, stop & correct the problem before fully pressurizing the system.

1. Push control switch to **UP** position to pressurize hydraulic system. Listen for hydraulic fluid flowing through the system. Check for fluid leaks. When the sound of flowing fluid stops, release control switch. Hydraulic system is ready.

**NOTE:** To operate Liftgate, locking angles must be removed from the hydraulic cylinders and shipping bolt must be removed from both knuckles.

2. Remove locking angles from hydraulic cylinders (**FIG. 22-1A**).
3. With platform open (**FIG. 22-1A**), unbolt each knuckle as shown in **FIGS. 22-1B**.



# STEP 8 - FINISH WELDING LIFTGATE TO VEHICLE

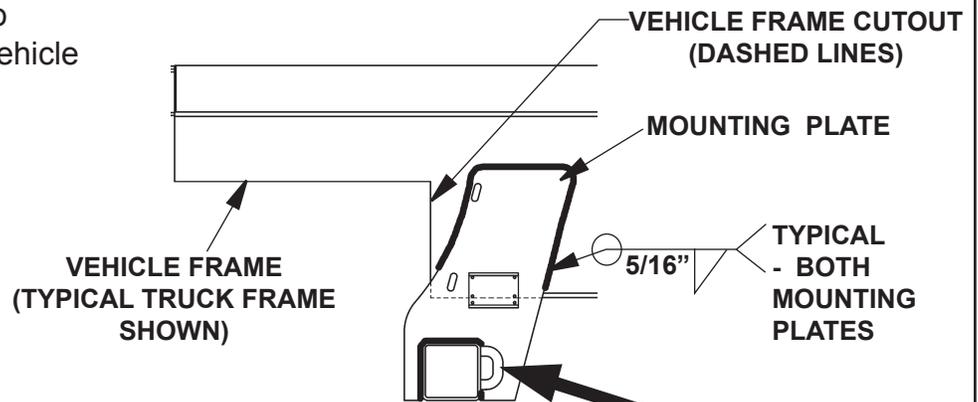
## CAUTION

Prevent damage to hydraulic hoses. Before welding next to hydraulic hoses, protect the hoses with a heat-resistant cover such as a welding blanket.

## CAUTION

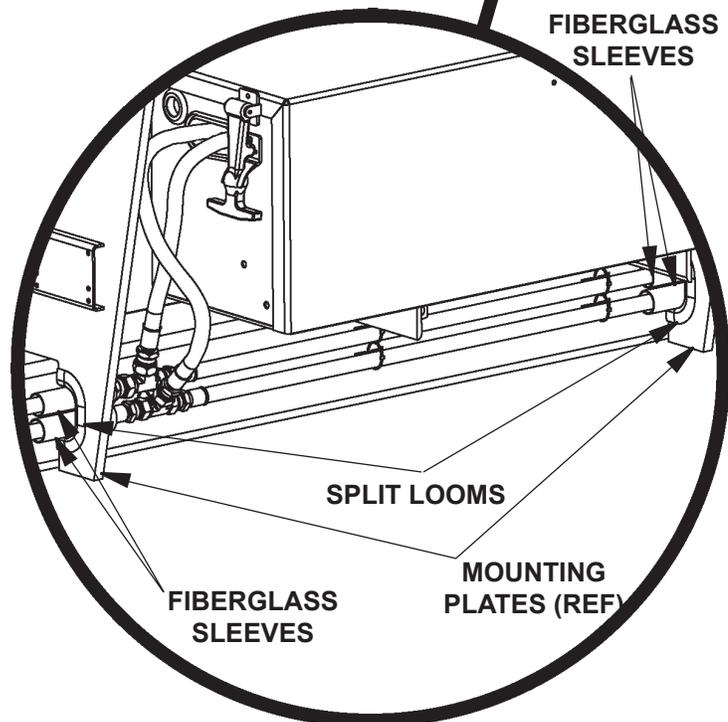
To protect the original paint system, a 3" wide area of paint must be removed from all sides of the weld area before welding.

1. Weld each of the two mounting plates to vehicle frame (**FIG. 23-1A**).



**WELDING MOUNTING PLATE  
FIG. 23-1A**

2. After welding is done and mounting plates are cool, remove the 4 fiberglass sleeves shown in **FIG. 23-1B**. Next, reinstall the split looms removed in **STEP 3 (FIG. 23-1B)**.

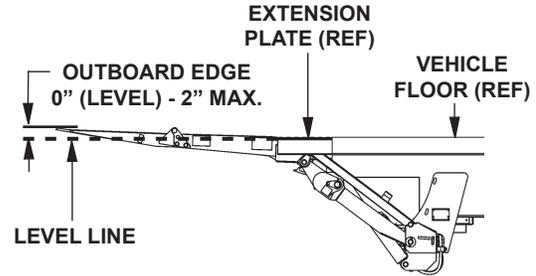


**REINSTALLING SPLIT LOOMS  
FIG. 23-1B**

## STEP 9 - ADJUST PLATFORM (IF REQUIRED)

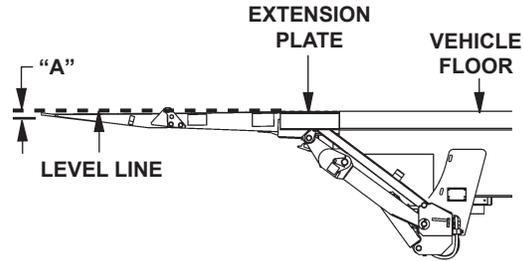
**NOTE:** Before doing the following procedure, make sure vehicle is parked on level ground.

1. With the platform and flipover unfolded, **RAISE** platform to bed level (**FIG. 24-1**). Measure how much the outboard edge of platform rises above bed level (**FIG. 24-1**). The outboard edge must be level or a maximum of 2" above bed level (**FIG. 24-1**). If indication is correct, Liftgate is installed correctly and no adjustment is needed. If the outboard edge is below bed level, do instructions **2, 3, and 6**. If outboard edge is higher than 2", do instructions **4 through 6**.



**PLATFORM EDGE AT OR ABOVE BED LEVEL  
FIG. 24-1**

2. Compare measurement "A" (**FIG. 24-2**) with the distances and shims in **TABLE 24-1**. For example: If measurement "A" (**FIG. 24-2**) is 1" below level and you want to raise outboard edge of platform 1" above bed level, use 1/8" shim to raise 2" (**TABLE 24-1**).

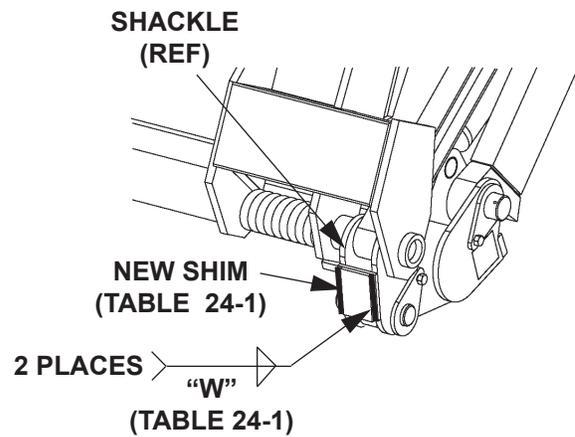


**PLATFORM EDGE BELOW BED LEVEL  
FIG. 24-2**

RAISE PLATFORM EDGE (OUTBOARD) THIS DISTANCE ("A")	REQUIRED SHIM THICKNESS	WELD SIZE "W"
1"	1/16"	1/16"
2"	1/8"	1/8"
3"	3/16"	3/16"
4"	1/4"	1/4"

**TABLE 24-1**

3. Weld shims (parts bag item) on both platform stops (**FIG. 24-3**) to raise outboard edge of platform to correct position.



**WELDING SHIMS (CURBSIDE SHOWN)  
FIG. 24-3**

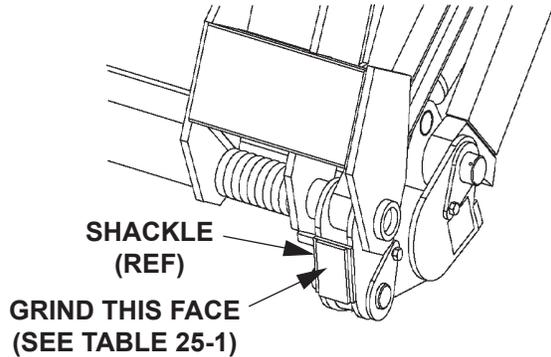
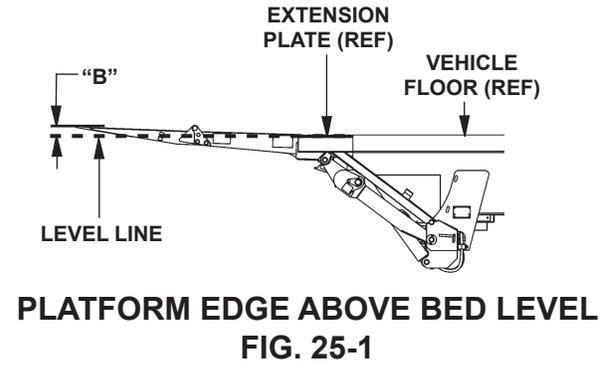
# STEP 9 - ADJUST PLATFORM - Continued

4. Compare measurement “B” (FIG. 25-1) with distances and grinding depths in TABLE 25-1. For example: if measurement “B” (FIG. 25-1) is 3” above bed level and you want to lower the outboard edge of platform to 1” above bed level, grind 1/8” from each platform stop (TABLE 25-1).

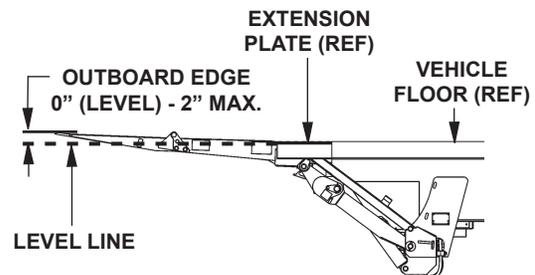
LOWER PLATFORM EDGE (OUTBOARD) THIS DISTANCE(“B”)	GRIND METAL FROM PLATFORM STOP
1”	1/16”
2”	1/8”
3”	3/16”
4”	1/4”

TABLE 25-1

5. Grind metal from platform stops (FIG. 25-2) to lower outboard edge of platform to correct position.



6. LOWER the platform, then RAISE it to bed level. The outboard edge of platform should be level or up to 2” maximum above bed level (FIG. 25-3).



# STEP 10 - CHECKING HYDRAULIC FLUID

## 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.

**NOTE:** Use correct grade of hydraulic fluid for your location.

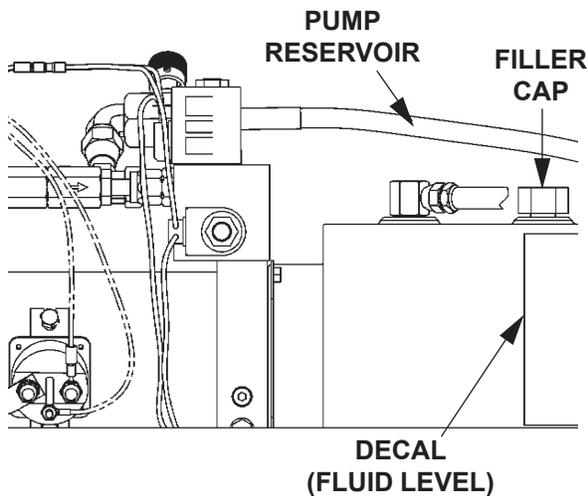
**+50 to +120 Degrees F - Grade ISO 32**

**Below + 70 Degrees F - Grade ISO 15 or MIL-H-5606**

See **TABLES 26-1 & 26-2** for recommended brands.

1. Lower the platform to ground level and make sure platform is unfolded.

2. Remove the filler cap (**FIG. 26-1**).



**CHECKING HYDRAULIC FLUID LEVEL**  
**FIG. 26-1**

3. Check the hydraulic fluid level in the pump reservoir (**FIG. 26-1**). If fluid is below **FILL LEVEL** shown on decal on the pump reservoir (**FIG. 26-1**), add fluid to the **FILL LEVEL**.

4. Reinstall the filler cap (**FIG. 26-1**).

ISO 32 HYDRAULIC OIL	
RECOMMENDED BRANDS	PART NUMBER
AMSOIL	AWH-05
CHEVRON	HIPERSYN 32
KENDALL	GOLDEN MV
SHELL	TELLUS T-32
EXXON	UNIVIS N-32
MOBIL	DTE-13M, DTE-24, HYDRAULIC OIL-13

**TABLE 26-1**

ISO 15 OR MIL-H-5606 HYDRAULIC OIL	
RECOMMENDED BRANDS	PART NUMBER
AMSOIL	AWF-05
CHEVRON	FLUID A, AW-MV-15
KENDALL	GLACIAL BLU
SHELL	TELLUS T-15
EXXON	UNIVIS HVI-13
MOBIL	DTE-11M
ROSEMEAD	THS FLUID 17111

**TABLE 26-2**

# STEP 11 - WELD ON ICC BUMPER (IF EQUIPPED)

1. Raise the platform to bed level as shown in FIG. 27-1A.

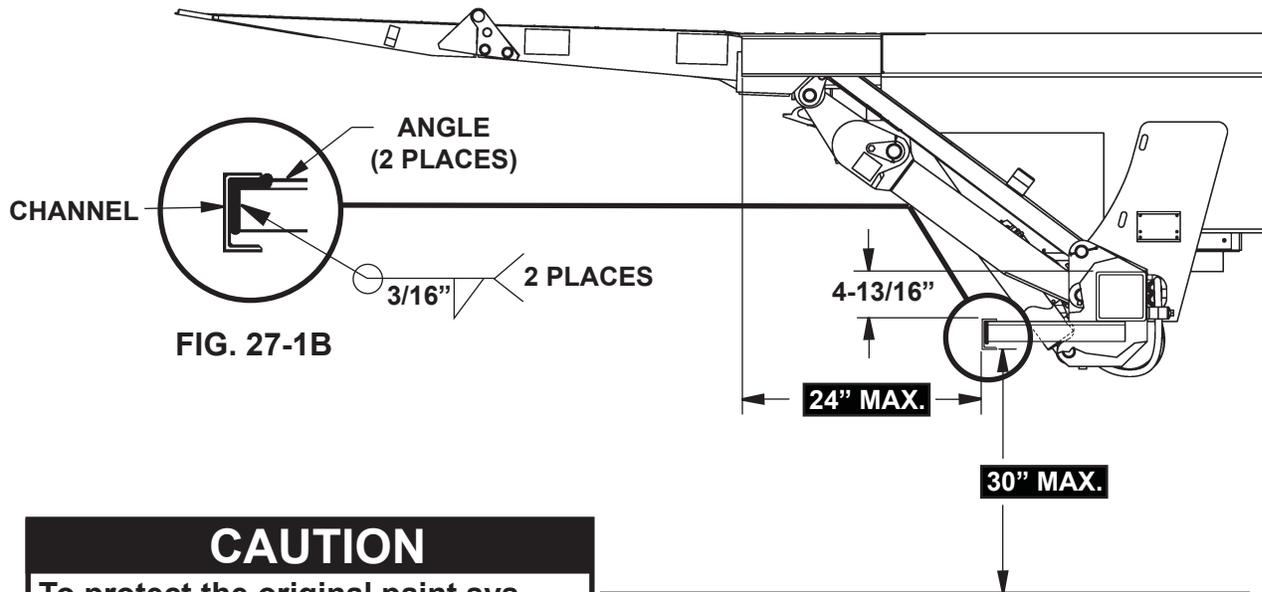
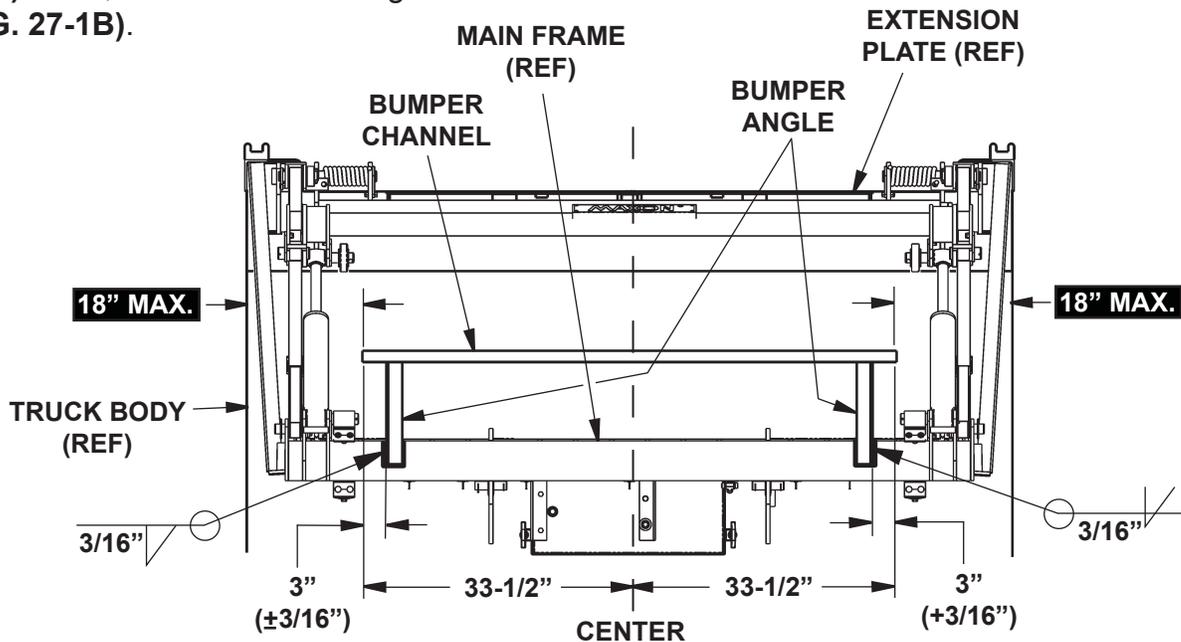


FIG. 27-1A

**CAUTION**  
 To protect the original paint system, a 3" wide area of paint must be removed from all sides of the weld area before welding.

2. Position ICC bumper channel and angles as shown in FIGS. 27-1A, 27-1B, & 27-2. Weld angles to main frame (FIG. 27-2). Next, weld channel to angles (FIG. 27-1B).



ICC BUMPER VIEWED FROM UNDER TRUCK BODY & BOTTOM OF LIFTGATE

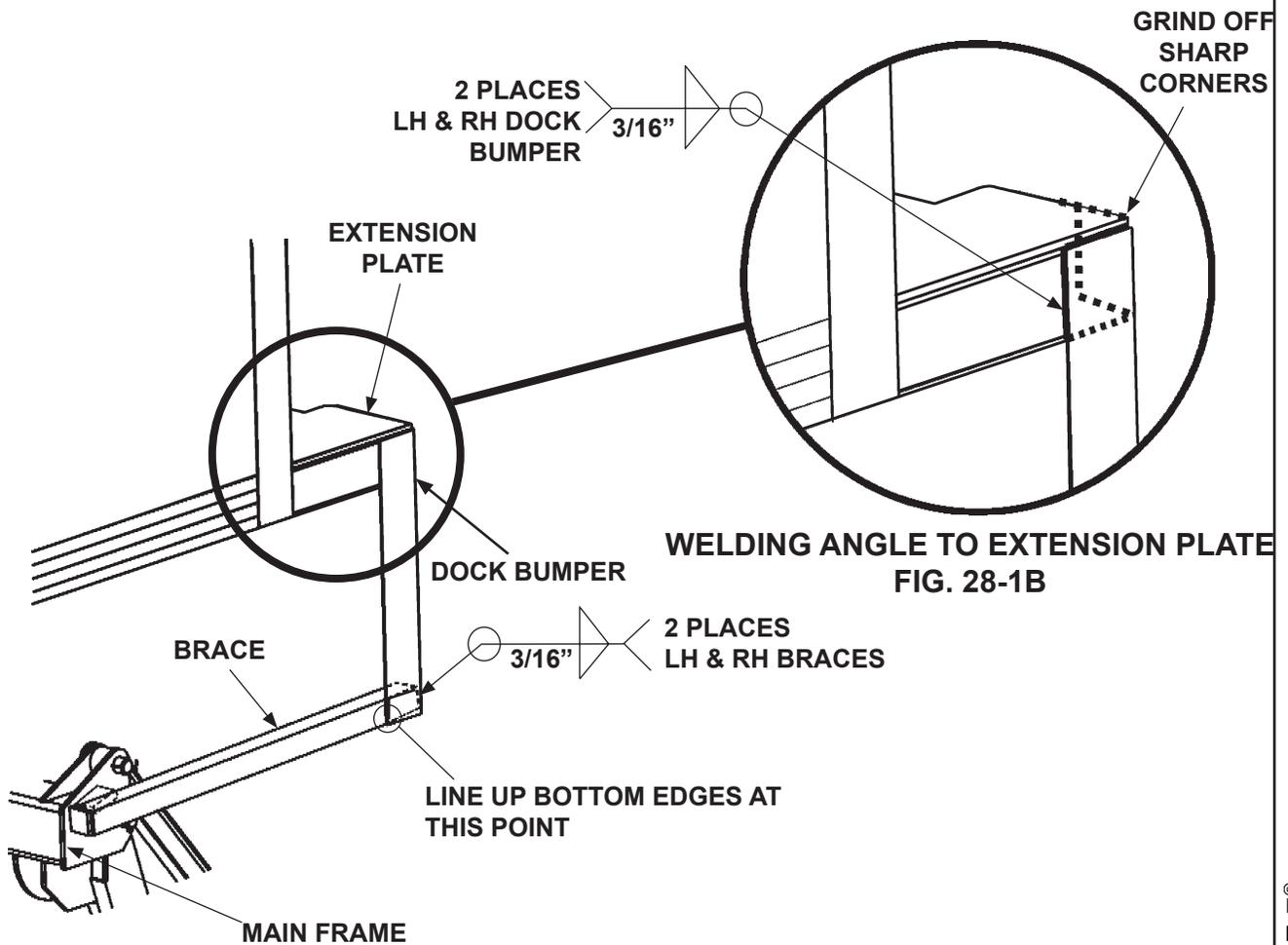
FIG. 27-2

# STEP 12 - WELD DOCK BUMPERS TO LIFTGATE

## CAUTION

To protect the original paint system, a 3" wide area of paint must be removed from all sides of the weld area before welding.

1. Lower the platform to the ground (see Operation Manual).
2. Clamp a dock bumper to left hand (LH) side of extension plate as shown in **FIG. 28-1A**. Weld the dock bumper to extension plate as shown in **FIG. 28-1B**. Make sure bolt holes in the dock bumper are visible from the rear of the vehicle. Repeat step for dock bumper on right hand (RH) side of extension plate.

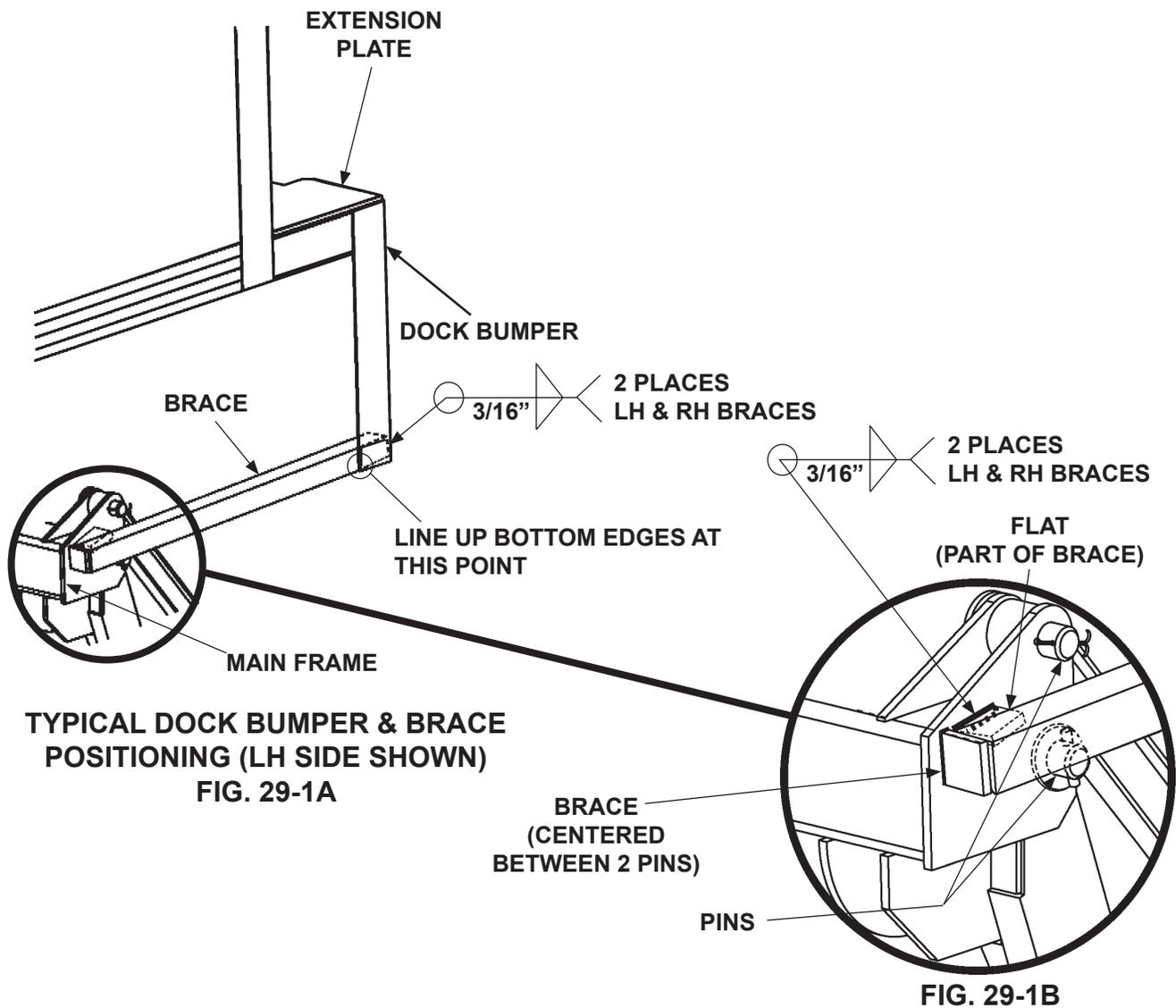


TYPICAL DOCK BUMPER & BRACE POSITIONING (LH SIDE SHOWN)  
FIG. 28-1A

WELDING ANGLE TO EXTENSION PLATE  
FIG. 28-1B

## STEP 12 - WELD DOCK BUMPER TO LIFTGATE - Continued

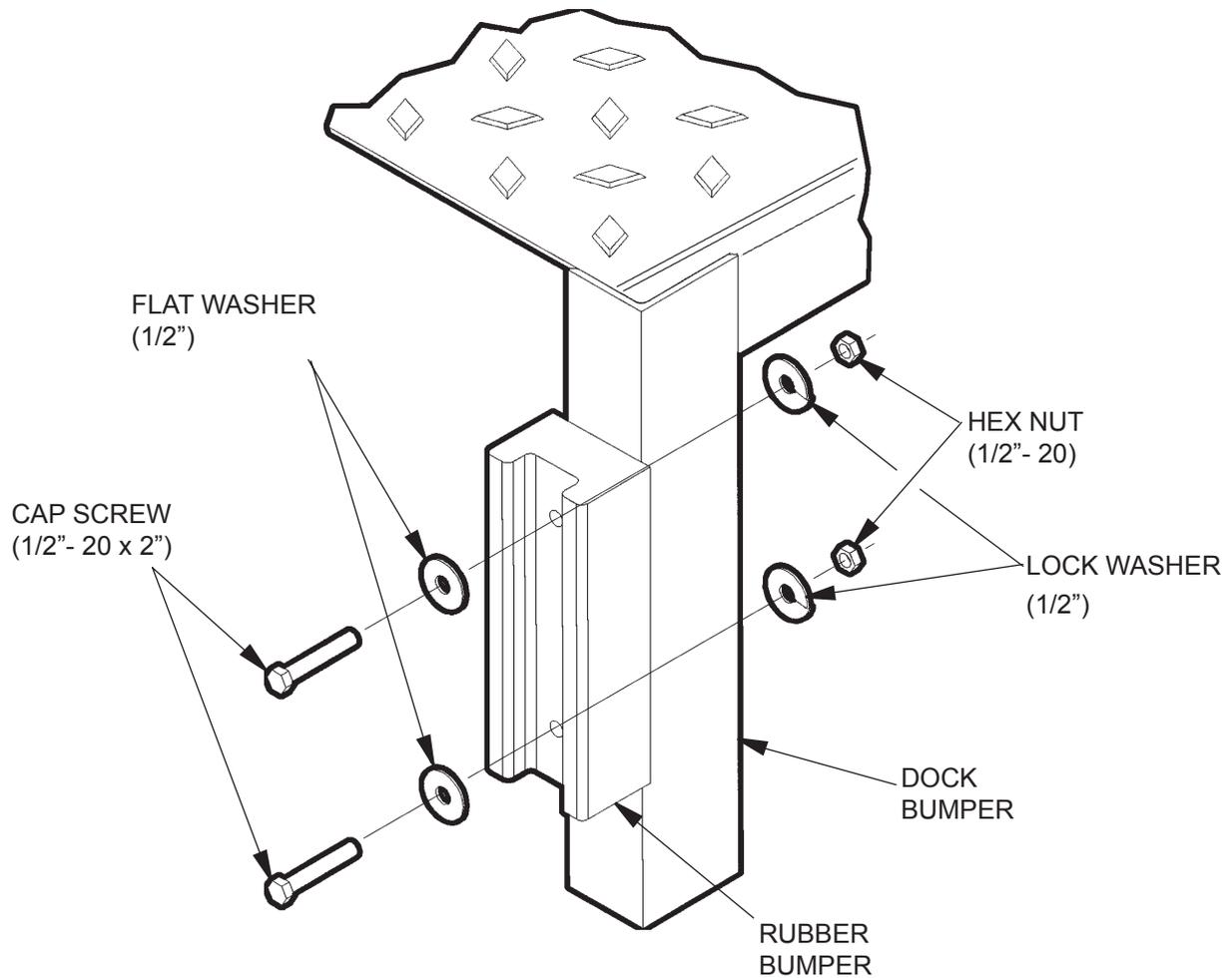
3. Clamp open end of brace to dock bumper as shown in **FIG. 29-1A**. Clamp closed end of brace to main frame (**FIG. 29-1A**). Weld the brace to dock bumper (**FIG. 29-1A**) and main frame (**FIG. 29-1B**). Repeat step for brace and dock bumper on RH side of extension plate.
4. Raise and lower platform. Next, stow Liftgate (**see Operation Manual**). Make sure dock bumper does not interfere with Liftgate.



## STEP 13 - BOLT RUBBER BUMPERS TO LIFTGATE

**NOTE:** The rubber dock bumpers kit P/N 203410 contains 2 rubber bumpers and 2 sets of fasteners.

Bolt a rubber bumper to each of the 2 dock bumpers (**FIG. 30-1**).



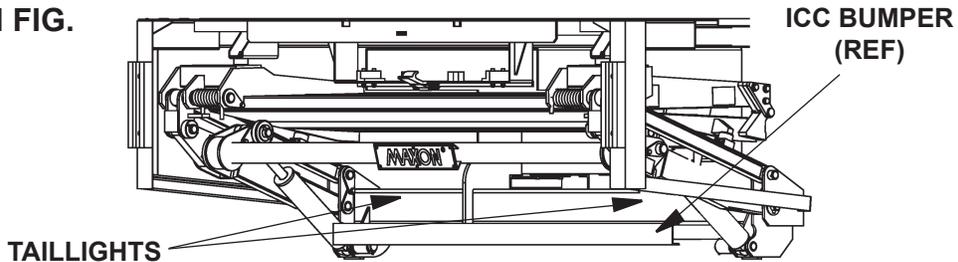
**BOLTING RUBBER BUMPER TO DOCK BUMPER  
(RIGHT HAND SIDE DOCK BUMPER SHOWN)**

**FIG. 30-1**

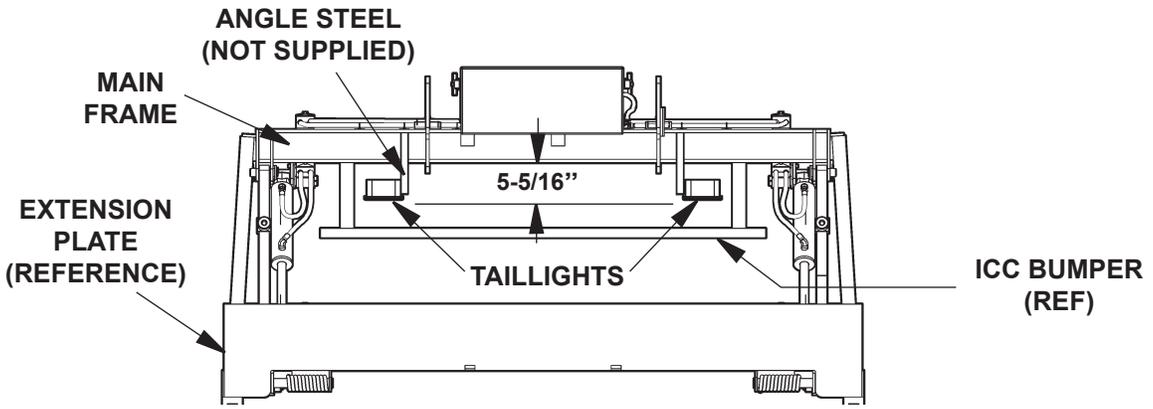
# STEP 14 - VEHICLE TAILLIGHT POSITIONING (IF REQUIRED)

**NOTE:** Positions are based on using taillights of 6-3/4" height by 5-3/4" width. Larger taillights may interfere with Liftgate. Taillights and attaching hardware are not provided with the Liftgate.

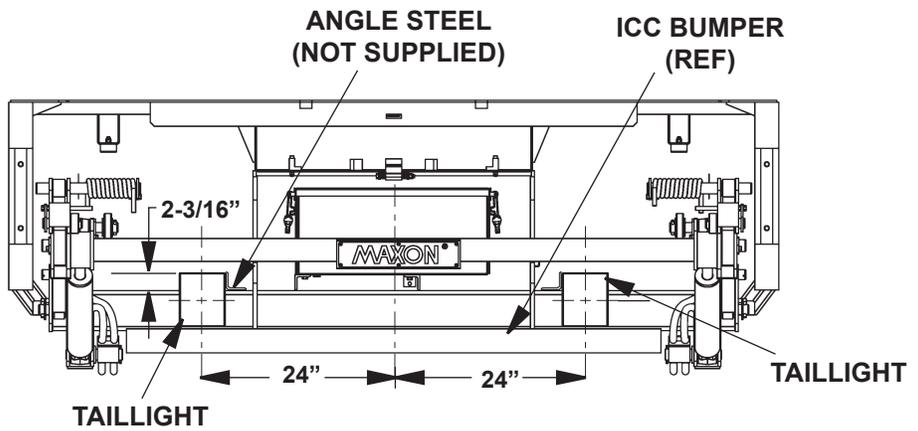
Install vehicle taillights (FIG. 31-1) as shown in FIG. 31-2 and FIG. 31-3.



**VEHICLE TAILLIGHTS INSTALLED ON LIFTGATE  
FIG. 31-1**



**TAILLIGHTS POSITION (TOP VIEW)  
FIG. 31-2**

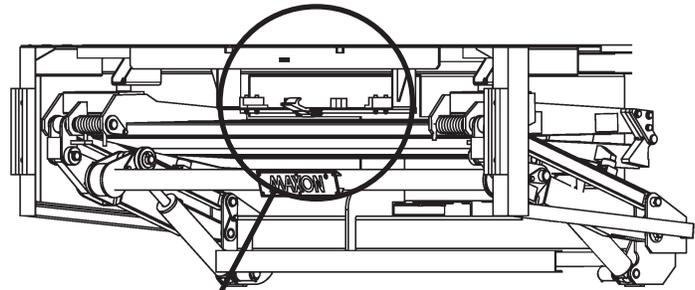


**TAILLIGHTS HORIZONTAL SPACING (FRONT VIEW)  
FIG. 31-3**

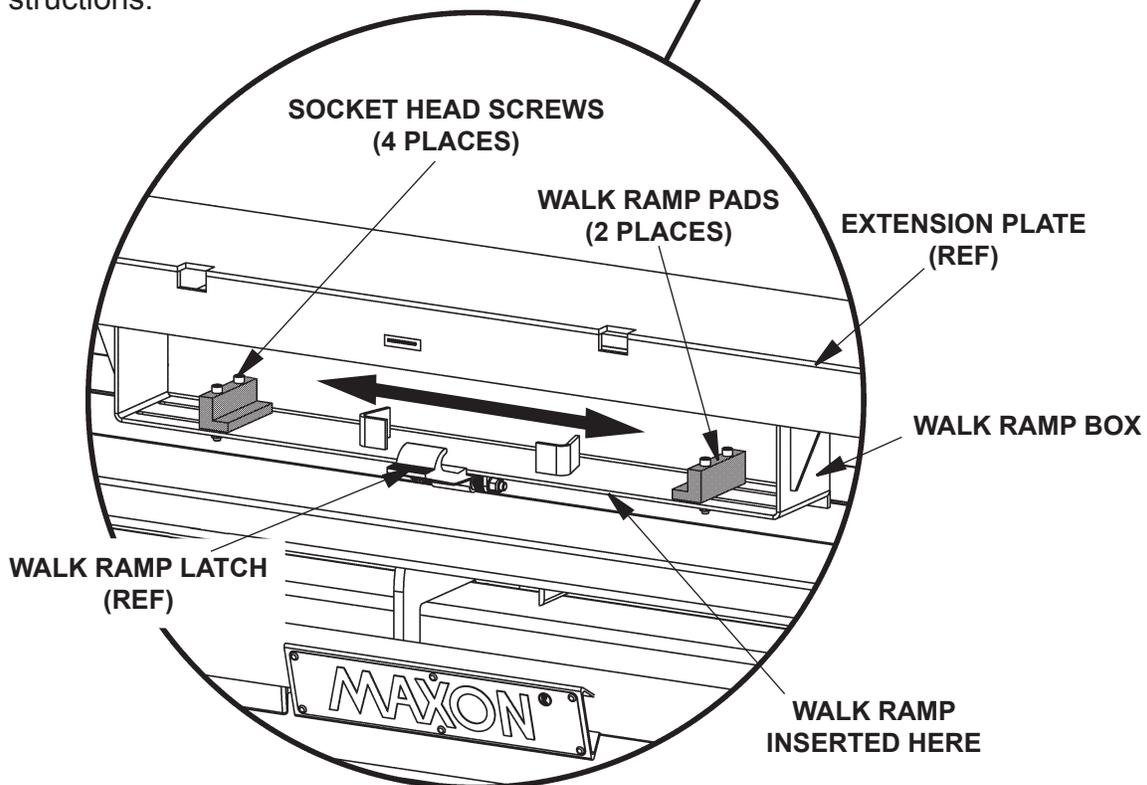
**MAXON**<sup>®</sup> 11921 Slauson Ave. Santa Fe Springs, CA. 90670 (800) 227-4116 FAX (888) 771-7713

## STEP 15 - ADJUST WALK RAMP PADS

1. Stow the platform (FIG. 32-1A).
2. Loosen the socket head screws and lock nuts (FIG. 32-1B). Slide the pads toward the outside of the walk ramp box (FIG. 32-1B).
3. Install the walk ramp (not shown) according to manufacturer's instructions.



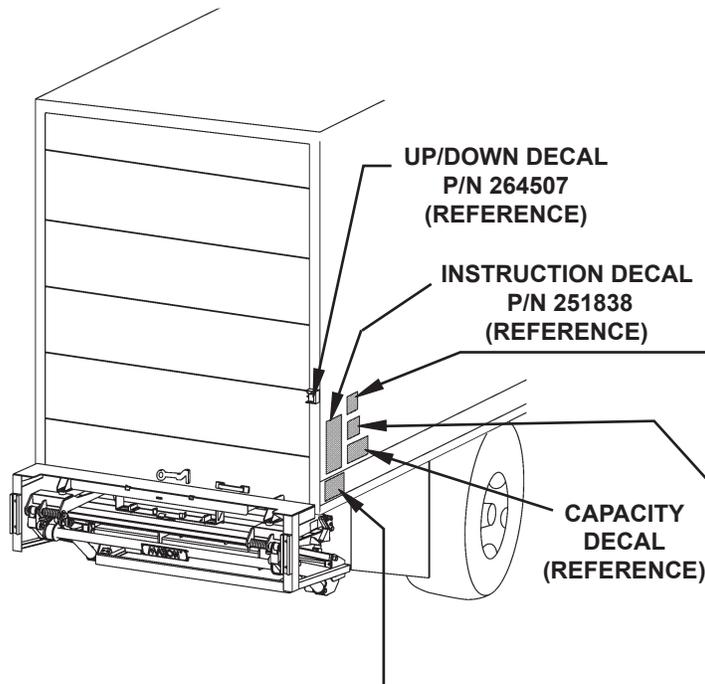
LIFTGATE WITH  
PLATFORM STOWED  
FIG. 32-1A



ADJUSTING WALK RAMP PADS  
FIG. 32-1B

4. Slide the ramp pads to the edge of the walk ramp (not shown) (FIG. 32-1B).
5. Tighten the socket head screws and lock nuts securely (FIG. 32-1B).

# ATTACH DECALS



**WALK RAMP  
WARNING DECAL  
P/N 265441-01**

**WARNING**

**READ THIS INFORMATION 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 its 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. USE GOOD COMMON SENSE. If load appears to be unsafe, do not lift or lower it.

For a free copy of other manuals that pertain to this model Liftgate, please visit our website at [www.maxonlift.com](http://www.maxonlift.com) or call Customer Service at (800) 227-4116.

MAXON LIFT CORP.PART NO. 264081

**WARNING DECAL  
P/N 264081**

**NOTICE**

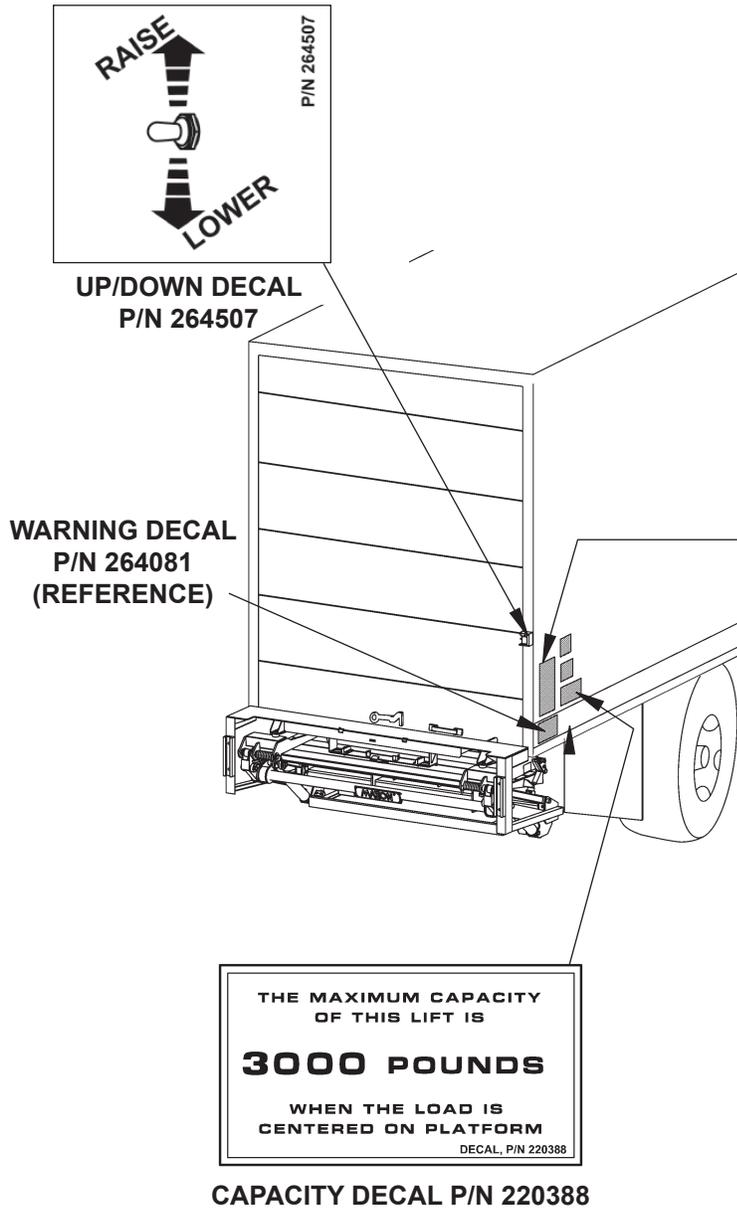
- 1 READ WALK RAMP WARNING DECAL BEFORE YOU SET UP WALK RAMP.
- 2 TO SET UP WALK RAMP & STOW WALK RAMP, REFER TO WALK RAMP MANUFACTURER'S INSTRUCTIONS.

DECAL, P/N 266013-02

**WALK RAMP  
NOTICE DECAL  
P/N 266013-02**

**FIG. 33-1**

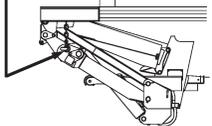
# ATTACH DECALS - Continued

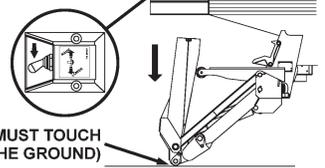


## OPERATING INSTRUCTIONS

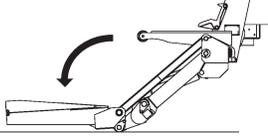
### GPT & 80 SERIES LIFTGATES

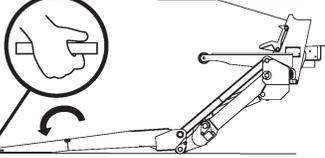
- 1 UNHOOK SAFETY CHAIN. (SEE CAUTION DECAL.)**

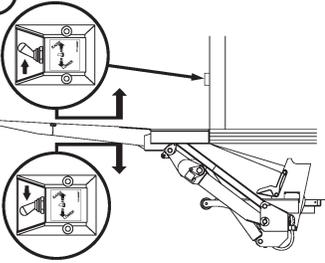

- 2 PUSH CONTROL SWITCH**



(MUST TOUCH THE GROUND)
- 3 UNFOLD PLATFORM.**


- 4 UNFOLD FLIPOVER.**


- 5 USE SWITCH TO RAISE / LOWER.**


- 6 TO TUCK UNIT AWAY REVERSE STEPS 1, 2, 3, & 4.**

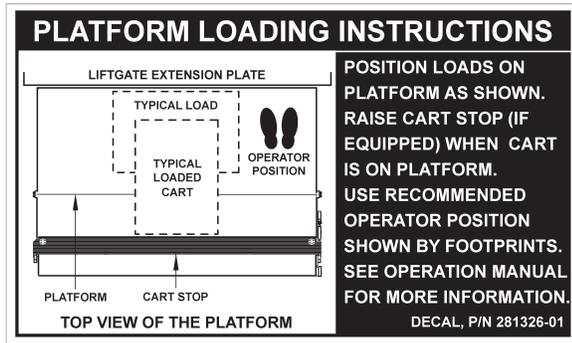
DECAL, P/N 251838

**INSTRUCTION DECAL**  
P/N 251838

**MAXON** 11921 Slauson Ave. Santa Fe Springs, CA. 90670 (800) 227-4116 FAX (888) 771-7713

**FIG. 34-1**

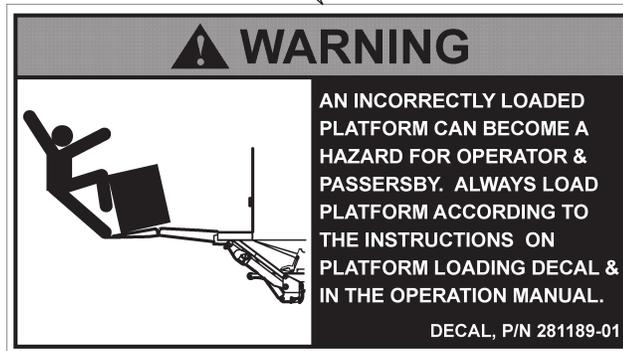
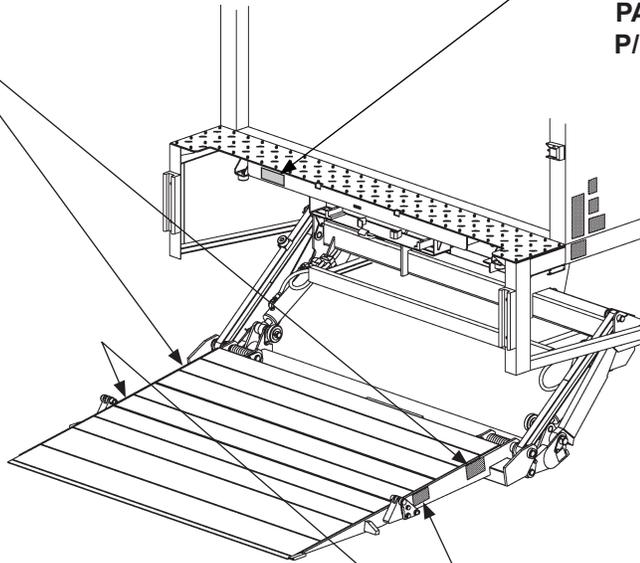
# ATTACH DECALS - Continued



**INSTRUCTION DECAL (2 PLACES)  
P/N 281326-01**



**PAINT DECAL  
P/N 267338-01**



**WARNING DECAL (2 PLACES)  
P/N 281189-01**

**FIG. 35-1**

## TOUCHUP PAINT

### CAUTION

**Damaged cylinder seals and contaminated hydraulic fluid can result from painting the polished portion of the cylinder rod. To prevent damage, protect the exposed polished portion of the cylinder rod while painting.**

If bare metal or primer is exposed on the painted portions of the Liftgate, touch up the paint. To maintain the protection provided by the original paint system, **MAXON** recommends aluminum primer touchup paint kit, P/N 908119-01.

# HYDRAULIC SYSTEM DIAGRAM

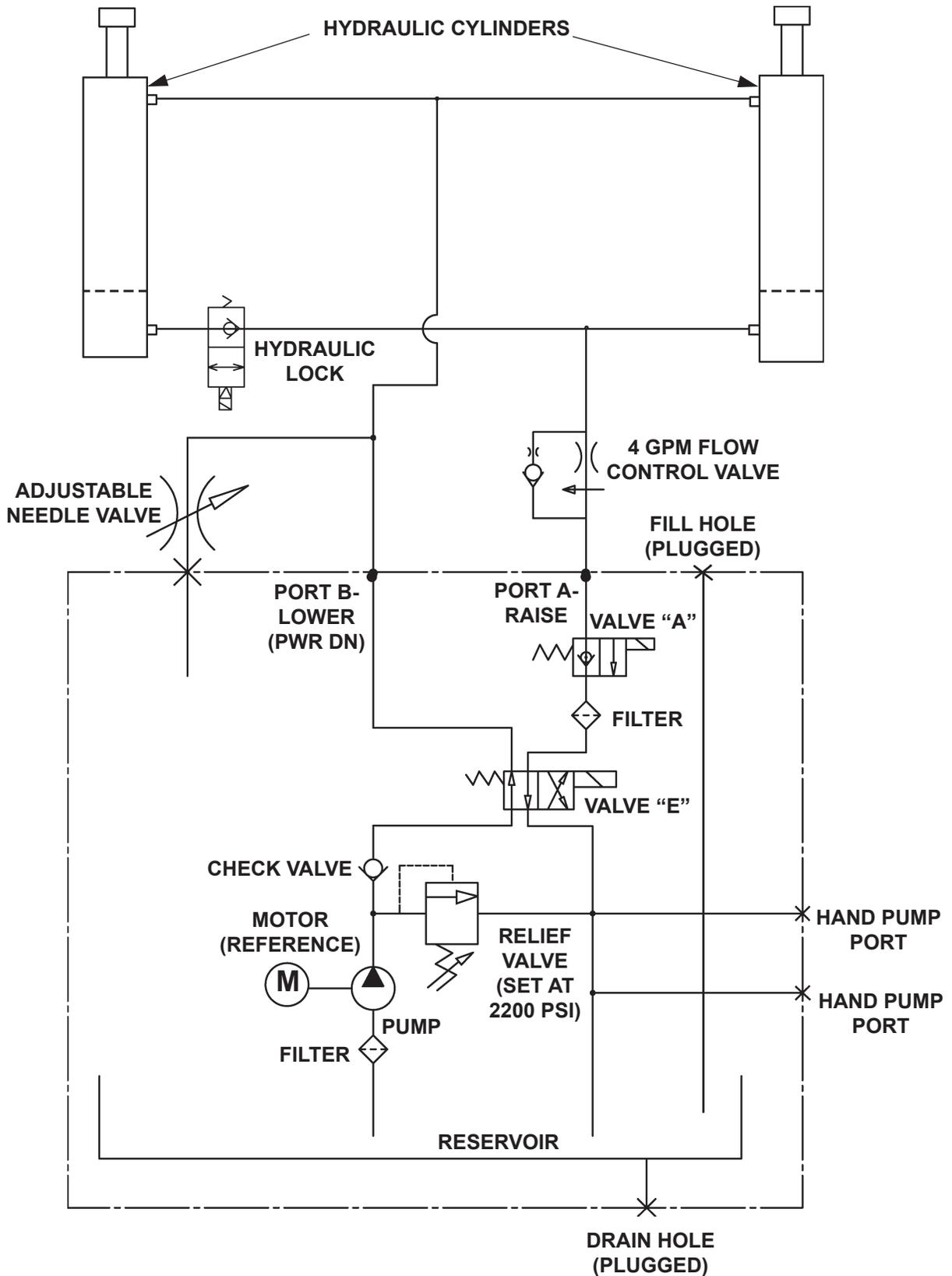


FIG. 37-1

# ELECTRICAL SYSTEM DIAGRAM

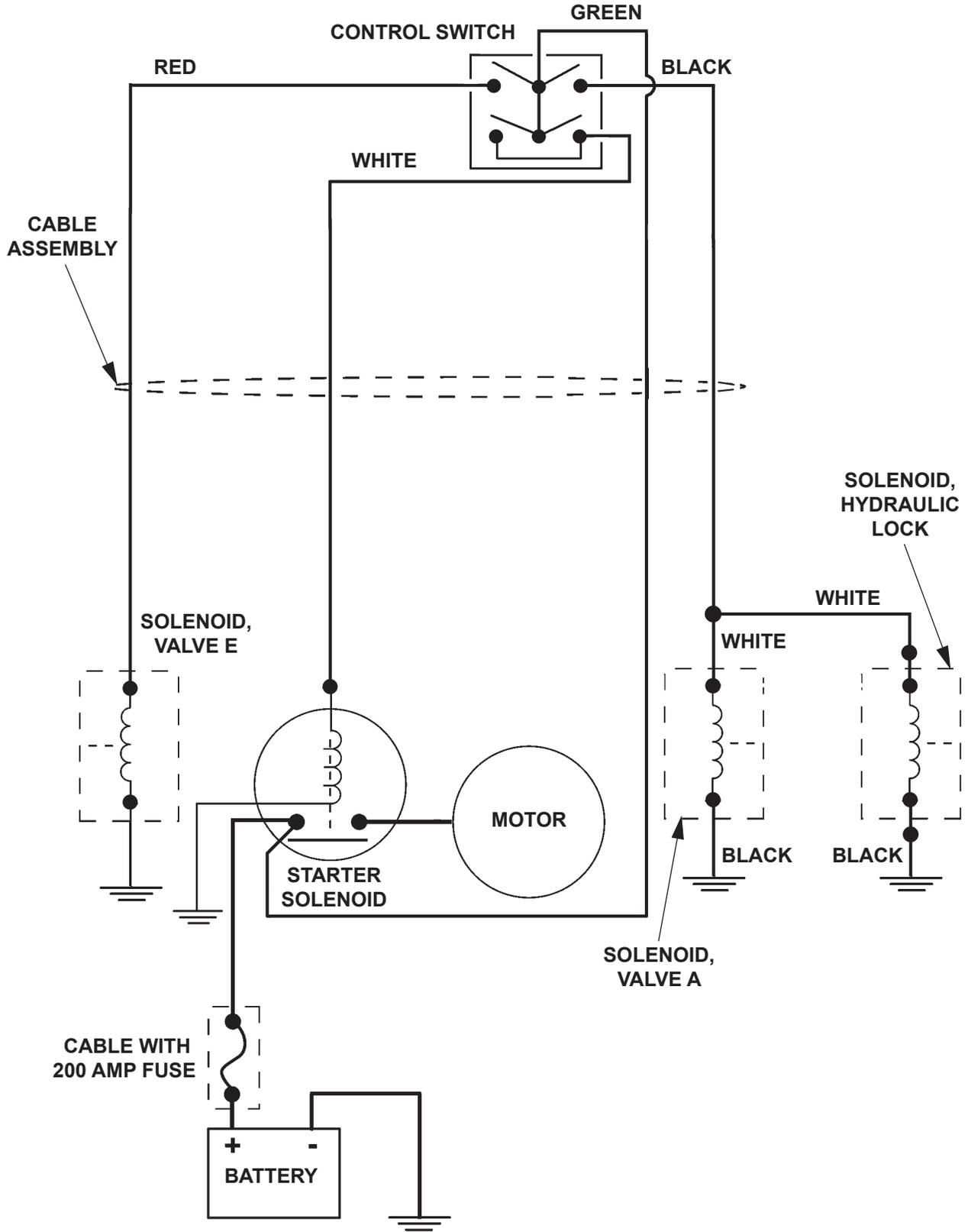


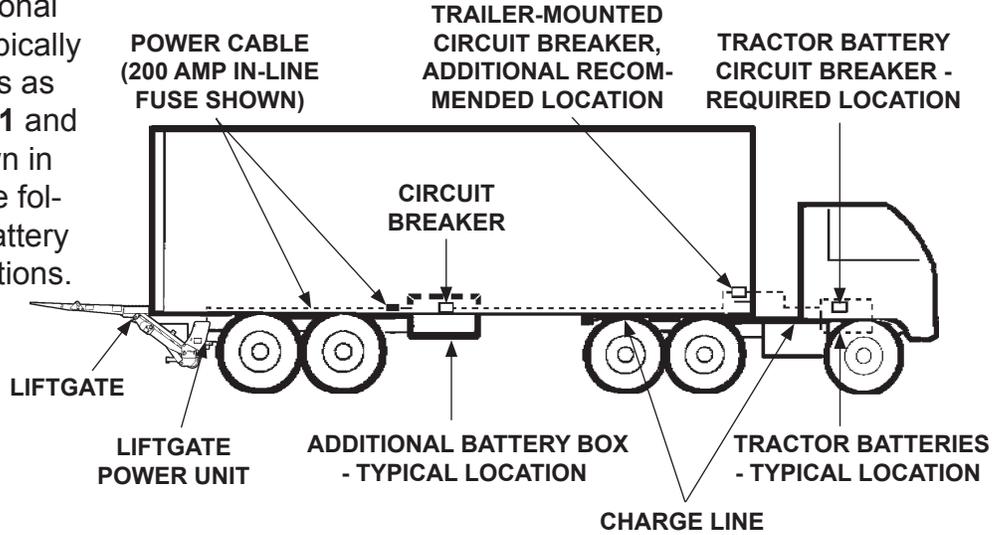
FIG. 38-1

# OPTIONS

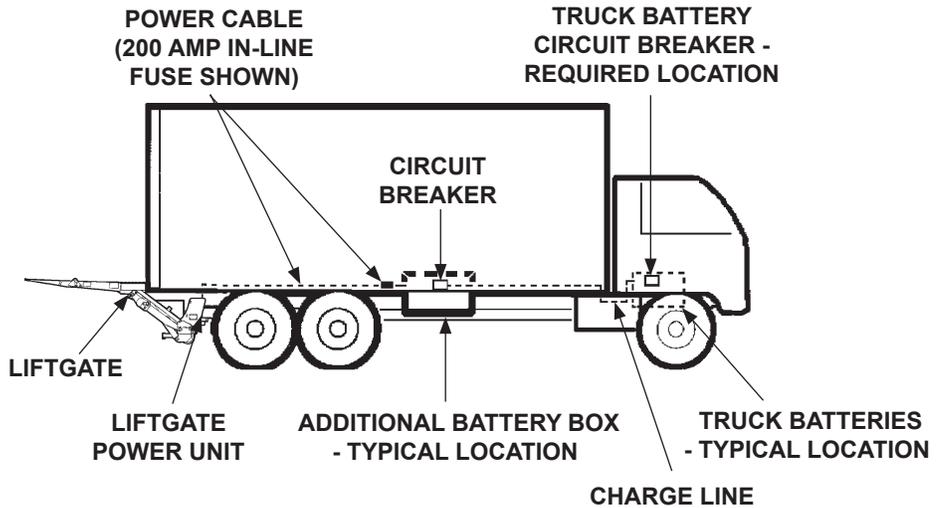
## RECOMMENDED LIFTGATE POWER CONFIGURATION

**NOTE:** Make sure the Liftgate power unit, and all batteries on the vehicle for the power unit, are connected correctly to a common chassis ground.

1. Liftgate and additional battery box are typically installed on trailers as shown in **FIG. 39-1** and on trucks as shown in **FIG. 39-2**. See the following page for battery and cable connections.



**RECOMMENDED LIFTGATE & BATTERY BOX  
INSTALLATION ON TRAILER  
FIG. 39-1**



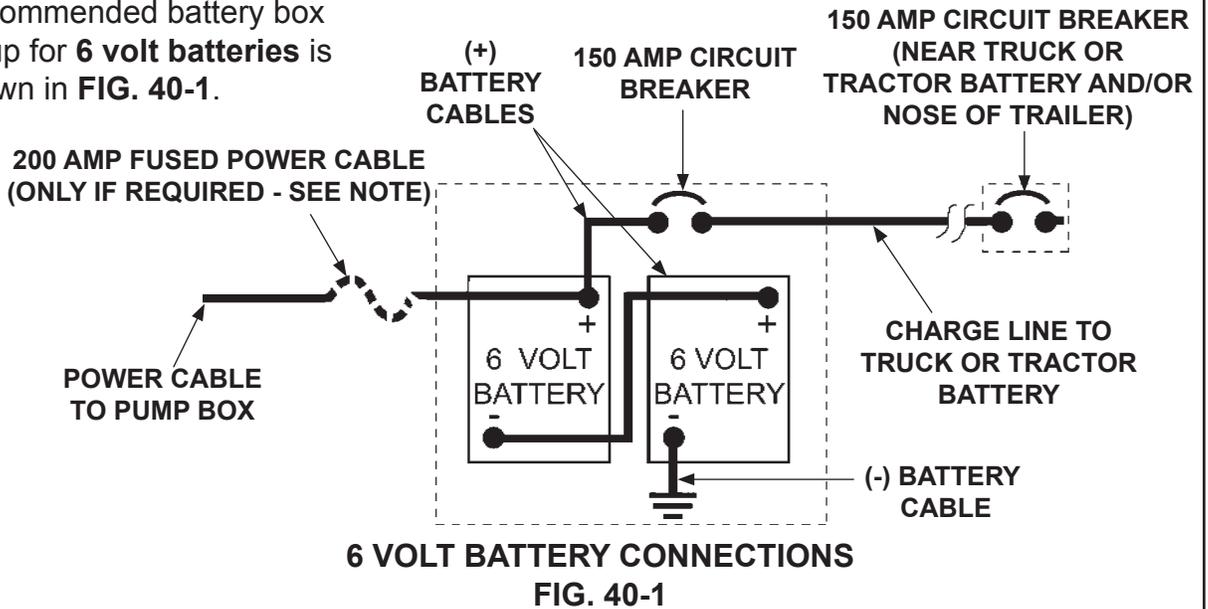
**RECOMMENDED LIFTGATE & BATTERY BOX  
INSTALLATION ON TRUCK  
FIG. 39-2**

# OPTIONS

## RECOMMENDED LIFTGATE POWER CONFIGURATION - Continued

**NOTE:** Always connect fused end of power cable to battery positive (+) terminal.

2. Recommended battery box setup for **6 volt batteries** is shown in **FIG. 40-1**.



**NOTE:** Always connect fused end of power cable to battery positive (+) terminal.

3. Recommended battery box setup for **12 volt batteries** is shown in **FIG. 40-2**.

