M-06-34 REV. A AUGUST 2008

# MIGHTYS XVAX CONVENTIONAL LIFT MM-1650



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

#### **AWARNING**

- 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 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 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 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 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 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.

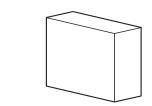
#### MM-1650 LIFTGATE COMPONENTS

## **A** CAUTION

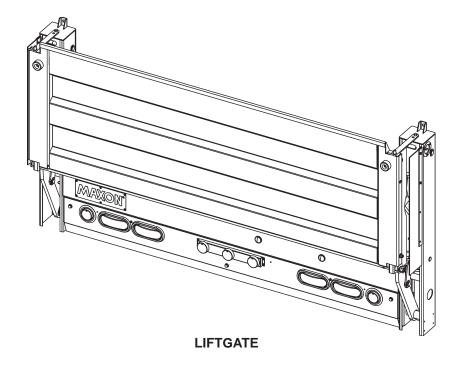
Prevent injuries and equipment damage. Before cutting the shipping straps from the Liftgate, put Liftgate on level ground that will support at least 1500 pounds. Be careful lifting and moving components after shipping straps are removed.

**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 customersupport@maxonlift.com



**PARTS BOX** 



MM-1650 COMPONENTS FIG. 5-1

# PARTS BOX (MM-1650 EQUIPPED WITH TAILLIGHTS)

ITEM	DESCRIPTION	QTY.	PART NO.
1	SCREW (TAPPING) 1/4" X 3/4" LG.	2	030460
2	SPLIT LOOM, 1/2" X 360" LG.	1	040103-360
3	ANGLE (BRACKET), 2-1/2" X 2" X 1/4" X 10" LG.	2	091093-10
4	PLASTIC TIE, 7" LG.	4	205780
5	DECAL & MANUAL KIT	1	
	A. INSTALLATION MANUAL	1	M-06-34
	B. MAINTENANCE, OPERATION MANUAL	1	M-06-35
	C. WARRANTY CARD	1	M-78-78
	D. CUSTOMER SURVEY FORM	1	M-94-04
	E. DECALS		REFER TO DECAL PAGES IN THIS MANUAL
6	BUTT SPLICE (10 AWG STEPDOWN TO 14 AWG)	4	263348
7	BUTT SPLICE (16 AWG)	8	263891
8	FLAT WASHER (2" X 7" LG.)	2	264363
9	MOUNTING BRACKET (LH SUPPORT BRACE)	1	264364-01
10	MOUNTING BRACKET (RH SUPPORT BRACE)	1	264364-02
11	HEX HD CAP SCREW, 1/2"-13 X 1-1/4" LG, GR 8	6	900035-2
12	HEX HD CAP SCREW, 1/2"-13 X 2-1/2" LG, GR 8	4	900035-7
13	LOCK NUT, 1/2"-13	8	901010
14	NUT, NYLON GROMMET (FOR 1/4" SCREW)	2	901015-03
15	KIT, POWER CABLE (200 AMP FUSE)	1	266747-01
16	LOCK WASHER, 1/2"	8	902011-6

# PARTS BOX (MM-1650 WITHOUT TAILLIGHTS)

ITEM	DESCRIPTION	QTY.	PART NO.
1	SCREW (TAPPING) 1/4" X 3/4" LG.	2	030460
2	SPLIT LOOM, 1/2" X 360" LG.	1	040103-360
3	ANGLE (BRACKET), 2-1/2" X 2" X 1/4" X 10" LG.	2	091093-10
4	PLASTIC TIE, 7" LG.	4	205780
5	DECAL & MANUAL KIT	1	
	A. INSTALLATION MANUAL	1	M-06-34
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	D. CUSTOMER SURVEY FORM	1	M-94-04
	E. DECALS		REFER TO DECAL PAGES IN THIS MANUAL
6	BUTT SPLICE (16 AWG)	1	263891
7	FLAT WASHER (2" X 7" LG.)	2	264363
8	MOUNTING BRACKET (LH SUPPORT BRACE)	1	264364-01
9	MOUNTING BRACKET ( (RH SUPPORT BRACE)	1	264364-02
10	HEX HD CAP SCREW, 1/2"-13 X 1-1/4" LG, GR 8	6	900035-2
11	HEX HD CAP SCREW, 1/2"-13 X 2-1/2" LG, GR 8	4	900035-7
12	LOCK NUT, 1/2"-13	8	901010
13	NUT, NYLON GROMMET (FOR 1/4" SCREW)	2	901015-03
14	LOCK WASHER, 1/2"	8	902011-6
15	LICENSE PLATE LIGHTS HARNESS	1	267386-01
16	LICENSE PLATE LIGHT ASSEMBLY	2	267387-01
17	KIT, POWER CABLE (200 AMP FUSE)	1	266747-01

## TRUCK REQUIREMENTS

NOTE: The maximum operating Vehicle Body bed height for the MM1650 Series Liftgates (unloaded) is 50".

**NOTE:** Measure the width of the Liftgate and the width of the vehicle body before you start doing this procedure. Ensure the Liftgate is the correct width for vehicle.

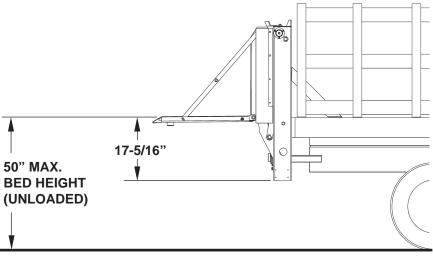


FIG. 8-1

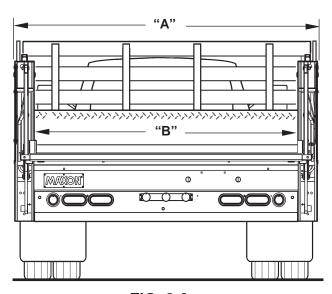


FIG. 8-2

MODEL	"A"	"B"
MM-1650-01	91"	80"
MM-1650-02	86"	74-1/2"

**TABLE 8-1** 

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#### STEP 1 - PREPARE VEHICLE

**NOTE:** To install Liftgate correctly, park vehicle on level ground and follow the instructions in this manual.

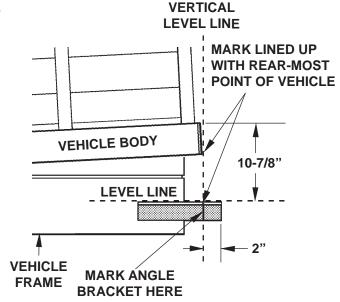
**NOTE:** Items that extend past the rear of vehicle body such as taillights, bumpers, and brackets, should be removed from vehicle so they do not interfere with correct installation of the Liftgate. If necessary, reposition vehicle taillights.

Remove items that extend past the rearmost part of vehicle body (FIG. 10-1).

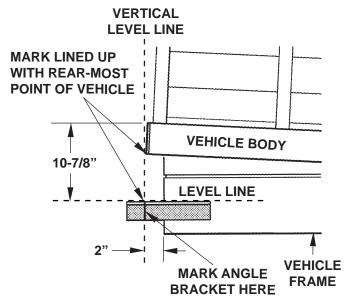
NOTE: The 2-1/2" wide face of the angle bracket butts against vehicle frame. Keep the bracket level while attaching it to vehicle.

Measure and mark each angle bracket 2" from the end as shown in FIGS.
 10-1 and 10-2.

Measure and mark position for angle bracket (Parts Box item) on outboard LH side of vehicle frame (FIG. 10-1). Line up angle bracket and clamp in place. Repeat for RH side of vehicle frame (FIG. 10-2).



POSITIONING ANGLE BRACKET (LH SIDE SHOWN) FIG. 10-1

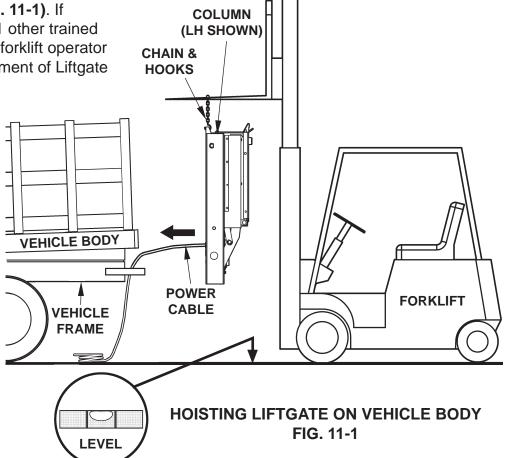


POSITIONING ANGLE BRACKET (RH SIDE SHOWN) FIG. 10-2

# **WARNING**

Keep the Liftgate secured to forklift until Liftgate is attached to vehicle. Liftgate may be damaged and create a hazard for installer if it falls from forklift.

- **4.** Use hooks and chain to secure the Liftgate to forklift at LH and RH columns (**FIG. 11-1**).
- 5. Use forklift to hoist Liftgate and center Liftgate on the back of vehicle body (FIG. 11-1). If necessary, have 1 other trained person assist the forklift operator by checking alignment of Liftgate and vehicle.



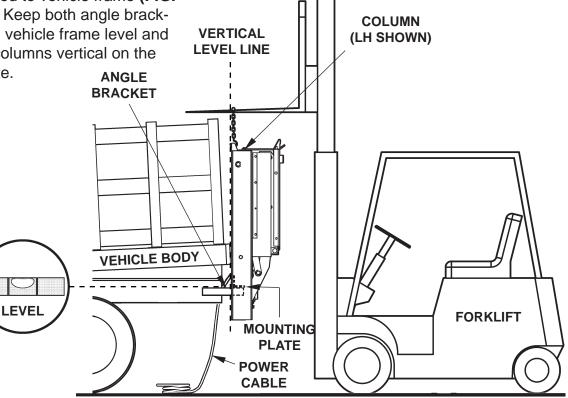
# **CAUTION**

To prevent power cable from getting pinched and damaged between vehicle body and Liftgate, reposition cable.

**6.** Uncoil power cable **(FIG. 11-1)**. Route power cable between vehicle body and mounting plate.

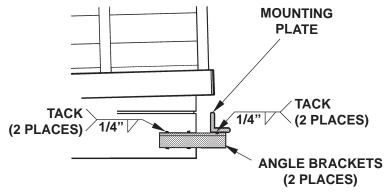
## STEP 1 - PREPARE VEHICLE - Continued

7. Place the Liftgate against vehicle body and carefully lower Liftgate until mounting plate makes contact with the 2 angle brackets clamped to vehicle frame (FIG. 12-1). Keep both angle brackets on vehicle frame level and both columns vertical on the Liftgate.

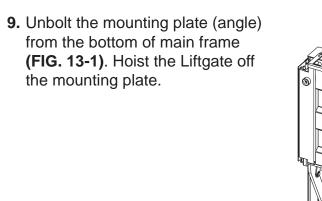


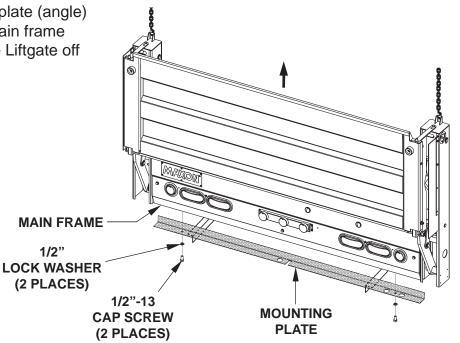
POSITIONING LIFTGATE MOUNTING PLATE ON ANGLE BRACKETS FIG. 12-1

8. When Liftgate and mounting plate are correctly positioned, tack weld both angle brackets to vehicle frame (FIG. 12-2). Then tack weld mounting plate to both angle brackets.

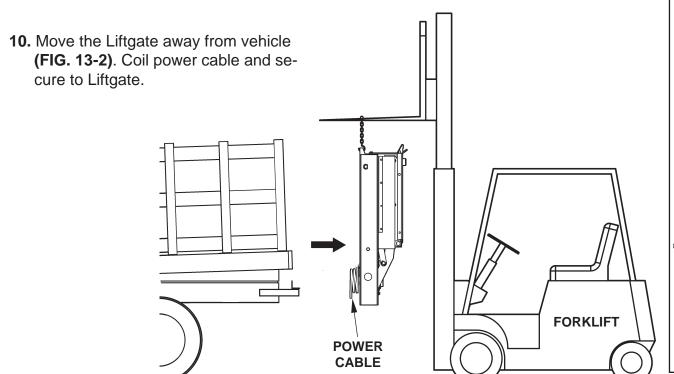


TACK WELDING BRACKETS & MOUNTING PLATE (LH SIDE SHOWN, LIFTGATE NOT SHOWN) FIG. 12-2





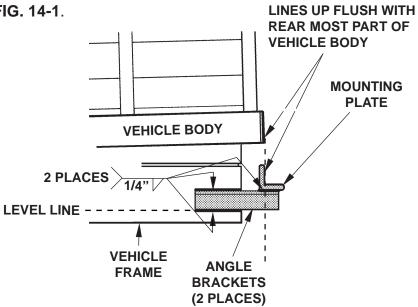
UNBOLTING MOUNTING PLATE (FORKLIFT NOT SHOWN) FIG. 13-1



MOVING LIFTGATE TO GAIN ACCESS FOR WELDING FIG. 13-2

# **STEP 1 - PREPARE VEHICLE - Continued**

**11.** Weld solid the angle brackets and mounting plate as shown in **FIG. 14-1**.



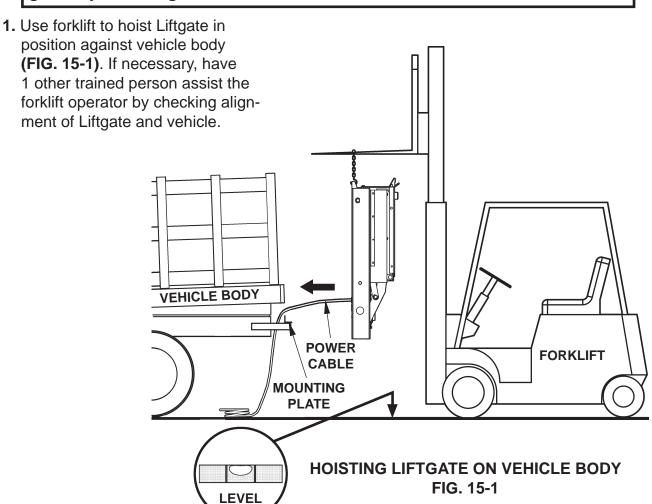
**MOUNTING PLATE** 

POSITIONING & WELDING BRACKETS & MOUNTING PLATE (LH SIDE SHOWN)
FIG. 14-1

## STEP 2 - BOLT OR WELD LIFTGATE TO VEHICLE

# **WARNING**

Keep the Liftgate secured to forklift until Liftgate is attached to vehicle. Liftgate may be damaged and create a hazard for installer if it falls from forklift.



# **CAUTION**

To prevent power cable from getting pinched and damaged between vehicle body and Liftgate, reposition cable.

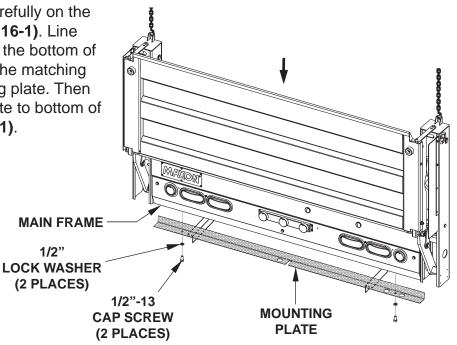
2. Uncoil power cable (FIG. 15-1). Route power cable between vehicle body and mounting plate.

FAX (888) 771-7713

# STEP 2 - BOLT OR WELD LIFTGATE TO VEHICLE - Continued

3. Lower the Liftgate carefully on the mounting plate (FIG. 16-1). Line up the 2 bolt holes in the bottom of the main frame with the matching bolt holes in mounting plate. Then bolt the mounting plate to bottom of main frame (FIG. 16-1).

1/2"

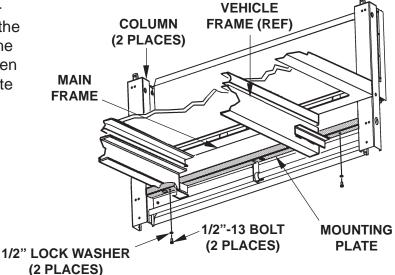


**BOLTING LIFTGATE TO MOUNTING PLATE** (FORKLIFT NOT SHOWN) FIG. 16-1

#### INSTALL ON FLAT BED OR STAKE BED BODY

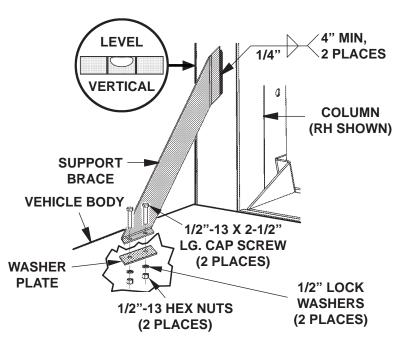
**NOTE:** Before attaching Liftgate, make sure power cable can be routed from main frame to vehicle body.

1. Place the Liftgate on the mounting plate. Next, line up holes in the bottom of the main frame with the holes on the mounting plate. Then bolt main frame to mounting plate (FIG. 17-1).



BOLTING MAIN FRAME TO MOUNTING PLATE (BOTTOM OF BODY SHOWN) FIG. 17-1

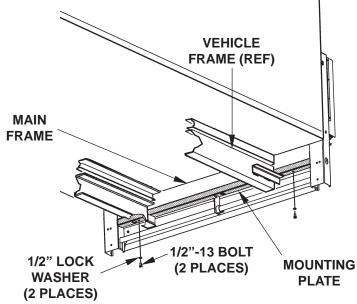
- Place the support brace (Parts Box item) against RH column on the Liftgate and the floor of the vehicle body (FIG. 17-2). Weld the support brace to column (FIG. 17-2).
- 3. Drill two (2) 17/32" holes through the vehicle floor, using the support brace as a template (FIG. 17-2). Bolt the support brace and washer plate (Parts Box item) to vehicle floor (FIG. 17-2).
- **4.** Repeat instructions 2 and 3 for LH column.



WELDING & BOLTING SUPPORT BRACE FIG. 17-2

#### **INSTALL ON VAN BODY**

 Place the Liftgate on the mounting plate. Next, line up holes in the bottom of the main frame with the holes on the mounting plate. Then bolt main frame to mounting plate (FIG. 18-1).



BOLTING MAIN FRAME TO MOUNTING PLATE (BOTTOM OF BODY SHOWN) FIG. 18-1

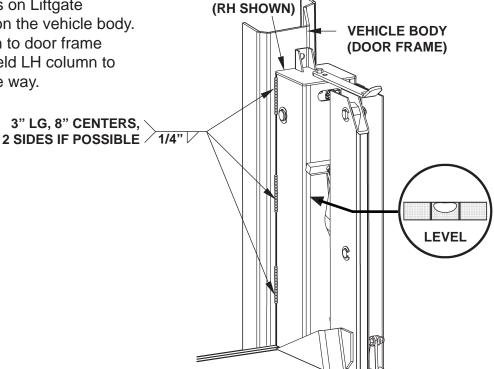
**COLUMN** 

Choose one or more of the following welding and bolting methods to attach Liftgate to vehicle body.

#### **WELD TO BODY**

**NOTE:** Keep column vertical while welding it to vehicle body.

Position the columns on Liftgate against door frame on the vehicle body. Weld the RH column to door frame (FIG. 18-2). Then weld LH column to door frame the same way.



WELDING COLUMN TO VEHICLE BODY FIG. 18-2

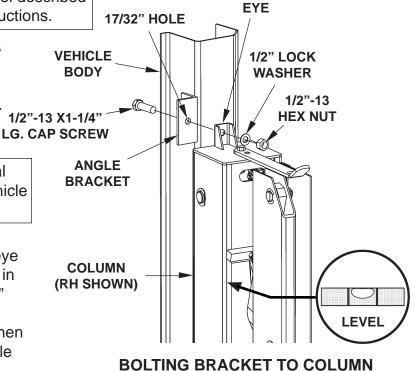
#### **BOLT TO BODY WITH ANGLE BRACKET**

**NOTE:** MAXON does not supply the angle brackets and steel described in the following instructions.

1. Fabricate two angle brackets (FIG. 19-1), 2" x 2" x 3" long, from 10 gauge (minimum) general purpose steel.

> **NOTE:** Keep column vertical while bolting it to vehicle body.

2. Line up angle bracket with vehicle body and mounting eye on the RH column as shown in FIG. 19-1. Next, drill a 17/32" hole in bracket that lines up with hole in mounting eye. Then bolt mounting eye to the angle bracket (FIG. 19-1).



**MOUNTING** 

**NOTE:** If required, the angle brackets can be welded to the door frame on the vehicle body.

3. Drill two 17/32" diameter holes through angle bracket and door frame on the vehicle body (FIG. 19-2). Bolt mounting angle to door frame (FIG. 19-2).

**BRACKET** 1/2"-13 X 1-1/4" **LG. CAP SCREW** (2 PLACES)

**ANGLE** 

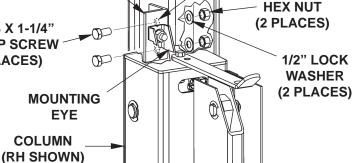


FIG. 19-1

**VEHICLE** 

**BODY** 

17/32" HOLE

(2 PLACES, BRACKET

& DOOR FRAME)

1/2"-13

**4.** Repeat instructions 2 and 3 for LH column.

**BOLTING BRACKET TO DOOR FRAME** FIG. 19-2

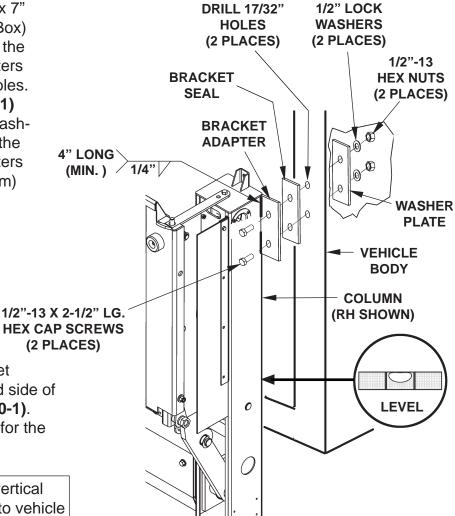
FAX (888) 771-7713

#### **INSTALL ON VAN BODY - Continued**

#### **BOLT TO BODY WITH ADAPTER BRACKET**

NOTE: MAXON does not supply the mounting bracket adapters, bracket seals, and steel described in the following instructions.

1. Use a washer plate (2" x 7" flat washer from Parts Box) as a template for sizing the mounting bracket adapters and positioning the 2 holes. Make adapter (FIG. 20-1) a little larger than the washer plate. Fabricate 2 of the mounting bracket adapters from 10 guage (minimum) general purpose steel.



2. Weld a mounting bracket adapter to the outboard side of the RH column (FIG. 20-1). Repeat this instruction for the LH column.

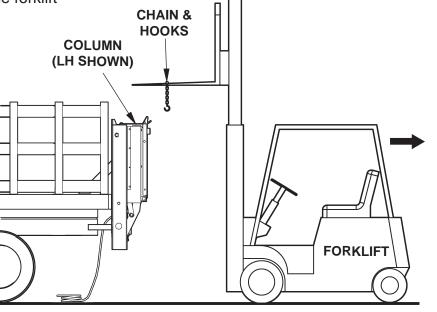
NOTE: Keep column vertical while bolting it to vehicle body.

3. Drill two (2) 17/32" holes through the vehicle body using the mounting bracket adapter as a template. Place a bracket seal (use washer plate as a template) between the adapter bracket and vehicle body. Bolt the RH column to vehicle body (FIG. 20-1). Repeat this instruction for LH column.

BOLTING ADAPTER TO VEHICLE BODY 9RH COLUMN SHOWN)

#### **MOVE FORKLIFT**

1. Lower forks enough to unhook the columns (Liftgate) from the forklift (FIG. 21-2).



BACKING FORKLIFT AWAY FROM LIFTGATE FIG. 21-2

**2.** Back the forklift away from Liftgate (FIG. 21-2). Then move forklift away from work area.

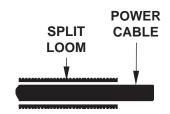
### **STEP 3 - RUN POWER CABLE**

# **A** 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.

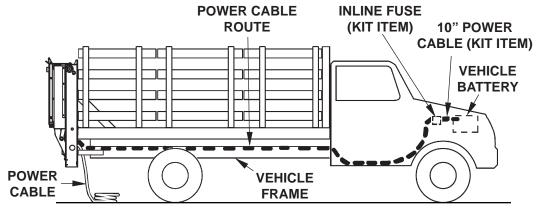
**NOTE:** Parts Box contains split loom tubing for protecting power cable.

**1.** Put the split loom tubing (Parts Box item) on power cable **(FIG. 22-1)**.



POWER CABLE COVERED WITH SPLIT LOOM FIG. 22-1

2. Run power cable along the vehicle frame to the battery (FIG. 22-2).



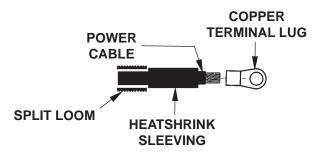
NOTE: The 200 amp fuse kit contains Instruction Sheet M-04-03.

Disregard M-04-03. Install the fuse according to the following instructions.

POWER CABLE ROUTE TO VEHICLE BATTERY FIG. 22-2

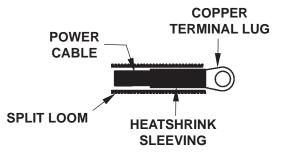
3. Get the 10" power cable and 200 amp fuse (FIG. 22-2) from the kit (Parts Box item). Measue how much main power cable is needed to run the 200 amp fuse and 10" power cable to the positive (+) battery terminal. Leave enough cable length to prevent strain when the fuse and 2 cables are connected, in line, to the battery.

 Cut excess cable from bare wire end of the main power cable. Next, pull the protective split loom away (FIG. 23-1) to gain access to cable end.



- Put heatshrink tubing (Parts Box item) (FIG. 23-1) on the end of cable. Leave room for terminal lug (FIG. 23-1).
- POWER CABLE WITH BARE WIRE END FIG. 23-1

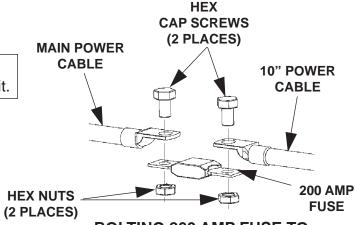
6. Crimp copper terminal lug (Parts Box item) on the power cable (FIG. 23-2) and shrink the heatshrink tubing. Then put protective loom in place over the cable. Cut off any excess loom if it covers the terminal lug.



POWER CABLE WITH CRIMPED & INSULATED TERMINAL LUG FIG. 23-2

**NOTE:** Hex nuts and cap screws are provided with 200 amp fuse kit.

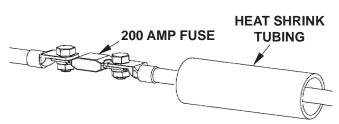
7. Bolt the 200 amp fuse to the main power cable and 10" power cable as shown in **FIG. 23-3**.



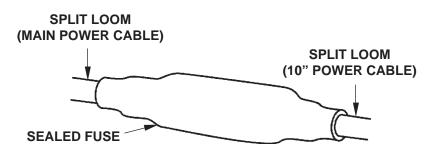
BOLTING 200 AMP FUSE TO POWER CABLES FIG. 23-3

## STEP 3 - RUN POWER CABLE - Continued

8. Place the heat shrink tubing around the 200 amp fuse (FIG. 24-1). Make sure tubing is centered on fuse and covers both bolted connections. Shrink the tubing to seal the fuse and cable connections (FIG. 24-2).

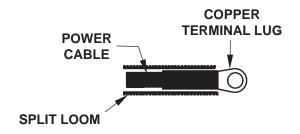


INSTALLING HEAT SHRINK TUBING FIG. 24-1



SEALED FUSE & CABLE CONNECTIONS FIG. 24-2

Put split loom tubing (Parts Box item) on the 10" power cable, between the sealed fuse and terminal lug (FIGS. 24-2 and 24-3).

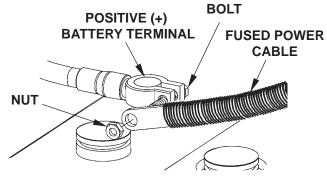


SPLIT LOOM ON POWER CABLE FIG. 24-3

## **STEP 4 - CONNECT POWER CABLE TO BATTERY**

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

Remove nut from positive (+) battery terminal connector. Connect fused power cable to the positive (+) battery terminal connector (FIG. 25-1). Reinstall and tighten nut.



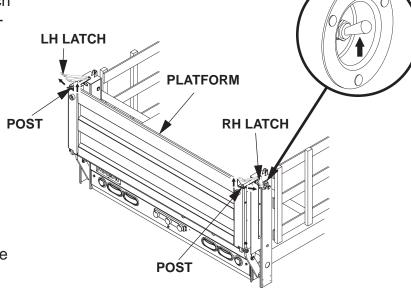
CONNECTING POWER CABLE FIG. 25-1

### STEP 5 - CHECKING HYDRAULIC FLUID

# **WARNING**

To prevent personal injury and damage to Liftgate, make sure hydraulic system is pressurized before unlatching platform.

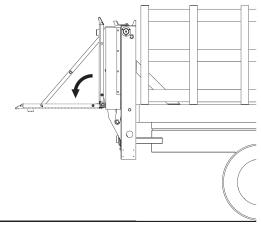
 Pressurize hydraulic system as follows. Push toggle switch UP for 1 second and then release (FIG. 26-1).



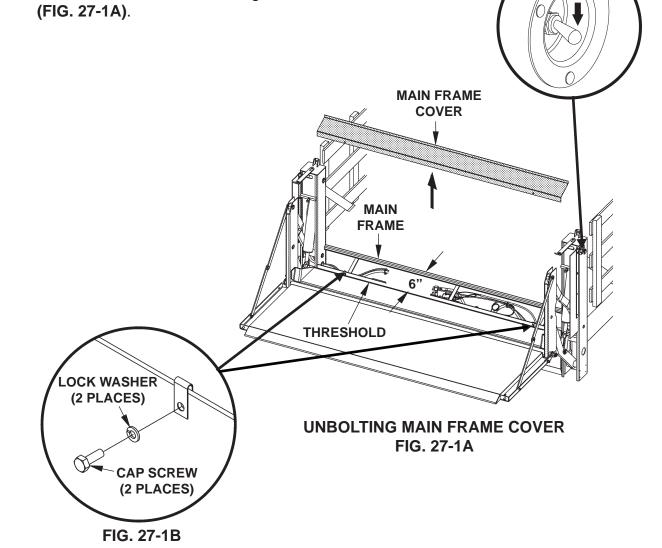
Release the platform as follows. Standing to the RH side of platform (FIG. 26-1), lift RH latch upward and rotate away from platform (FIG. 26-1). Repeat for LH latch.

RELEASING PLATFORM FIG. 26-1

**3.** Unfold the platform **(FIG. 26-2)**. If equipped, unfold flipover.



UNFOLDING PLATFORM FIG. 26-2



5. Unbolt the main frame cover as shown in FIGS. 27-1A & 27-1B.

**4.** Lower the platform until threshold is about 6" away from the back of the main frame housing

## STEP 5 - CHECK HYDRAULIC FLUID - Continued

## **CAUTION**

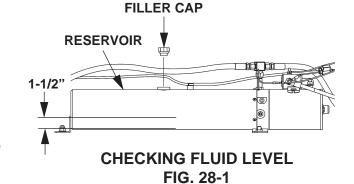
Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

**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 29-1 & 29-2 for recommended brands.

6. Remove filler cap (FIG. 28-1).



7. Use a clean rod as a dipstick to check the hydraulic fluid level in reservoir. Add hydraulic fluid until dipstick indicates 1-1/2" level as shown in **FIG. 28-1**.

8. Reinstall filler cap (FIG. 28-1).

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 29-1** 

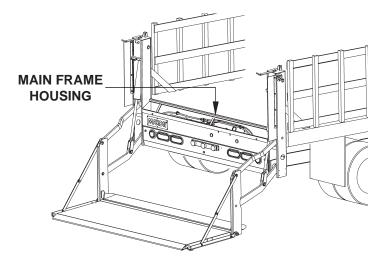
ISO 15 OR MIL-H-5606 HYDRAULIC OIL		
RECOMMENDED BRANDS	PART NUMBER	
AMSOIL	AWF-05	
CHEVRON	FLUID A, AW-MV-15	
KENDALL	GLACIAL BLU	
SHELL	TELLUS T-15	
EXXON	UNIVIS HVI-13	
MOBIL	DTE-11M	
ROSEMEAD	THS FLUID 17111	

**TABLE 29-2** 

### **STEP 6 - CONNECT LIGHTS**

**NOTE:** Main frame cover was removed in **STEP 5**.

1. Lower the platform to ground level for better access to main frame housing (FIG. 30-1).

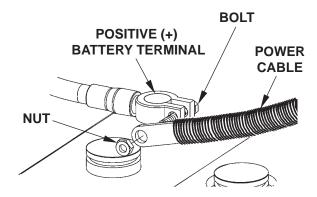


& MAIN FRAME COVER REMOVED FIG. 30-1

# A CAUTION

To prevent personal injury and damage to Liftgate, make sure the vehicle battery is disconnected before installing electrical parts.

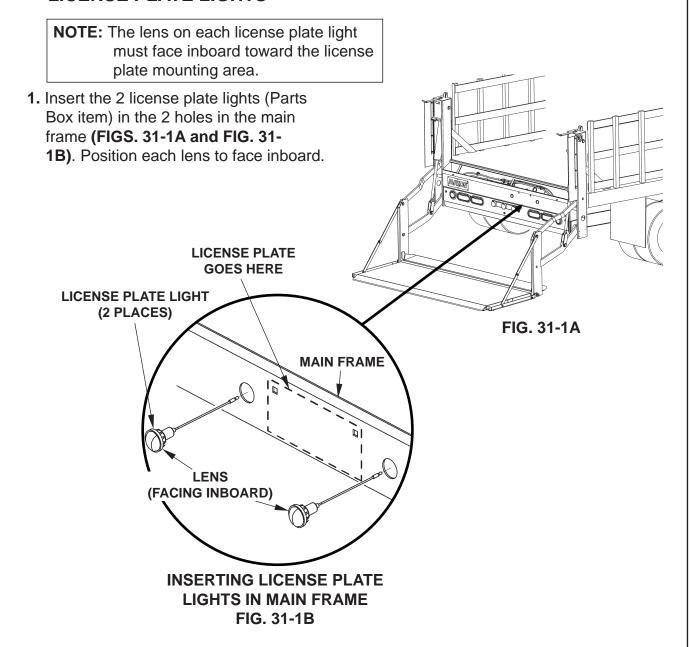
Remove nut from positive (+) battery terminal connector (FIG. 30-2). Disconnect fused power cable from the positive (+) battery terminal connector (FIG. 30-2). Reinstall and tighten nut.



DISCONNECTING FUSED POWER CABLE FIG. 30-2

**NOTE:** If your Liftgate came equipped with truck lights, skip the instructions for installing the license plate lights. Do the instructions for connecting truck lights to vehicle wiring.

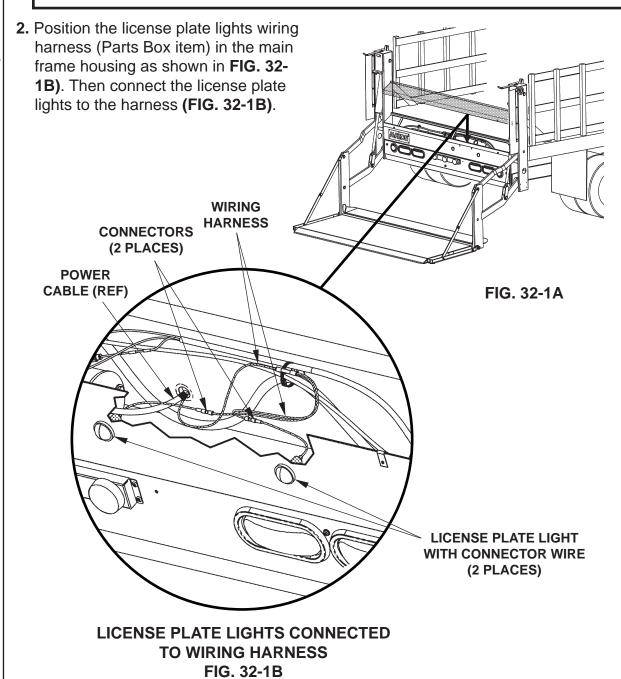
#### LICENSE PLATE LIGHTS



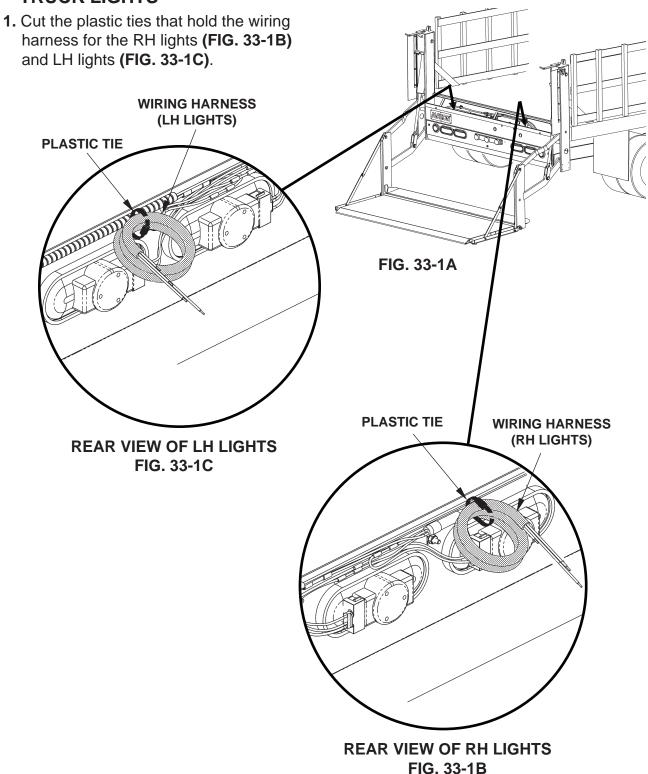
## STEP 6 - CONNECT LIGHTS - Continued

## **A** CAUTION

Always route electrical wires clear of any moving parts, brake lines, sharp edges, and exhaust systems. Use the hole with grommet to run wiring from main frame to vehicle.



#### **TRUCK LIGHTS**

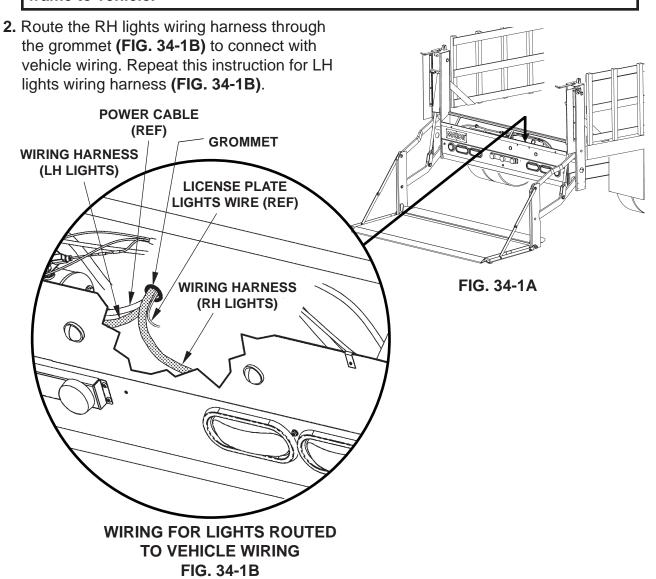


### STEP 6 - CONNECT LIGHTS - Continued

#### **TRUCK LIGHTS - Continued**

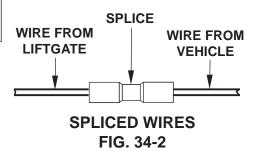
# **A** CAUTION

Always route electrical wires clear of any moving parts, brake lines, sharp edges, and exhaust systems. Use the hole with grommet to run wiring from main frame to vehicle.



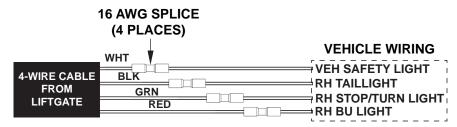
**NOTE:** The lens on each license plate light must face inboard toward license plate mounting area.

3. Extend the license plate lights wire through grommet to connect with vehicle wiring (FIG. 34-1B). Splice the wire from license plate lights to vehicle wiring (FIG. 34-2). After the splice is crimped, heat splice with hot air gun to shrink the sleeving and seal the splice.

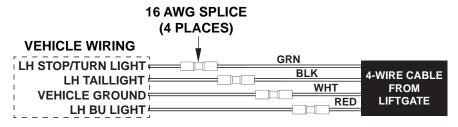


NOTE: If the vehicle wiring to the rear lights is larger than 16 AWG or requires more than 1 wire on the same side of splice, use stepdown butt splice from Parts Box (FIG. 35-3).

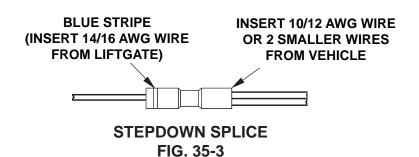
**4.** Splice the RH rear lights wiring harness to vehicle wiring (**FIG. 35-1**). After crimping each splice, use hot air gun to shrink sleeving and activate sealant. Repeat this instruction for LH rear lights wiring harness (**FIG. 35-2**).



RH TRUCK LIGHTS WIRING CONNECTIONS FIG. 35-1

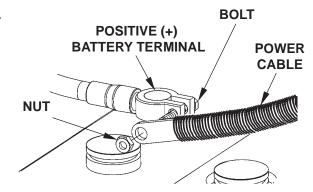


LH TRUCK LIGHTS WIRING CONNECTIONS FIG. 35-2



### STEP 6 - CONNECT LIGHTS - Continued

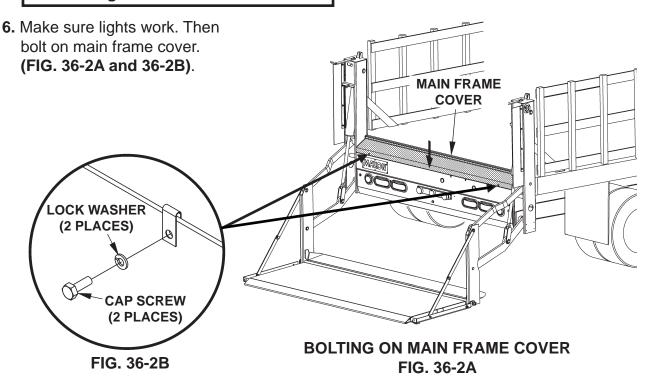
5. Remove nut from positive (+) battery terminal connector (FIG. 36-1). Reconnect fused power cable to positive (+) battery terminal connector (FIG. 36-1). Reinstall and tighten nut.



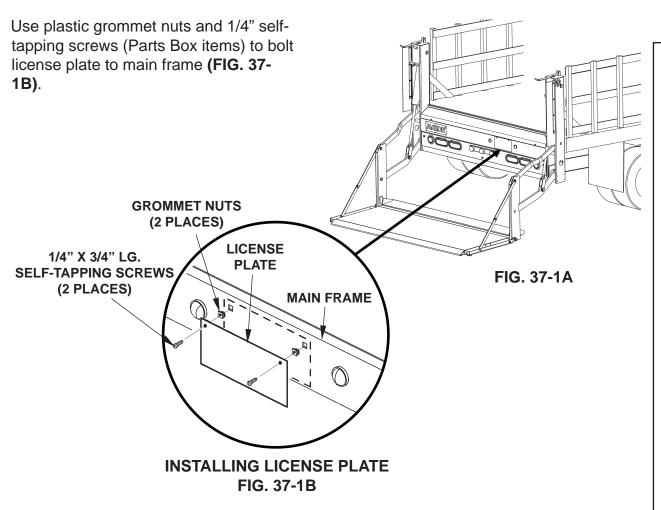
CONNECTING FUSED POWER CABLE FIG. 36-1

# CAUTION

Pump Cover must be correctly secured to prevent it from becoming a hazard. To secure Pump Cover, bolt it in place on the Liftgate.



# **STEP 7 - BOLT ON LICENSE PLATE**



FAX (888) 771-7713

# **DECAL PLACEMENT**

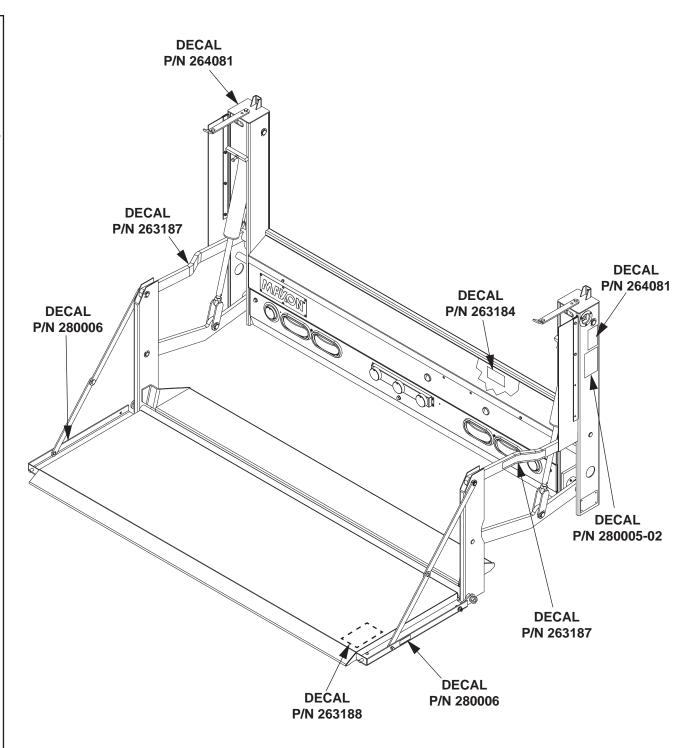


FIG. 38-1



#### READ THIS INFORMATION CAREFULLY

READ THIS INFORMATION CAREFULLY.

Improper operation of this Liftgate can result in serious personal jury. Do not operate unless you have been properly instructed and ave read, and are familiar with the operating instructions. If you do not ave a copy of the instructions, please obtain them from your employer, stributor, or lessor before you attempt to operate Liftgate.

Be certain that the vehicle is properly and securely braked before sing the Liftgate.

Always inspect this Liftgate for maintenance or dramage before using the Company of Improvement and I

Always intgeet this Liftgate for maintenance or damage before using it if there are slips of improper maintenance, damage to vital parts, or slippery Platform surface, do not use the Liftgate until these problems have been corrected.

Do not overload the Liftgate. The load limit is based on evenly is limited cargo over the entire Platform surface. If you are using a lailet jack, be sure it can be maneuvered safety. Do not operate a forkit in the Platform or travel with the platform in an operate a forkit on the Platform or travel with the platform in a role to the tedge of the land should be placed in a stable position close to the edge of the land should be placed in a stable position close to the edge of the land should rever 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 portion of the moving Liftgate, or its mechanisms, or in a position hat would trap them between the platform and the ground or truck when he Liftgate is operated.

the Liftgate is operated.

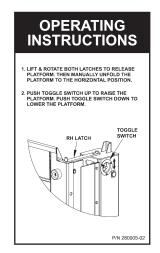
In thigh the Liftgate is operated.

In the Liftgate is of the Platform with you, make sure you are both lift in the Platform with you, make sure you are both liftgate so safely and that you are not in danger of coming in contact with my moving or potentially moving obstacles. USE GOOD COMMON SEENSE: If load appears to be unafel, 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 or call Customer Service at (800) 227-4116.

MAXON LIFT CORP. PART NO. 2640

#### **WARNING DECAL** P/N 264081



**INSTRUCTION DECAL** P/N 280005-02



#### **CAUTION DECAL** P/N 263187

#### **A WARNING**

THE MAXIMUM CAPACITY OF THIS LIFT IS 1650 lbs.

WHEN LOAD IS CENTERED ON THE PLATFORM.

P/N 280006

**CAPACITY DECAL** 

#### SAFETY INSTRUCTIONS

MOST LIFTGATE PROBLEMS ARE CAUSED BY FAULTY **ELECTRICAL CONNECTIONS:** 

- 1. MAKE SURE ALL CONNECTIONS ARE TIGHTENED.
- 2. THE BATTERY GROUND CABLE MUST BE FASTENED TO THE CHASSIS FRAME.
- 3. THE BATTERY GROUND CABLE MUST BE THE SAME SIZE AS THE LIFTGATE CABLE.

P/N 263184

**WARNING DECAL** P/N 263184



**CAUTION DECAL** P/N 263188