

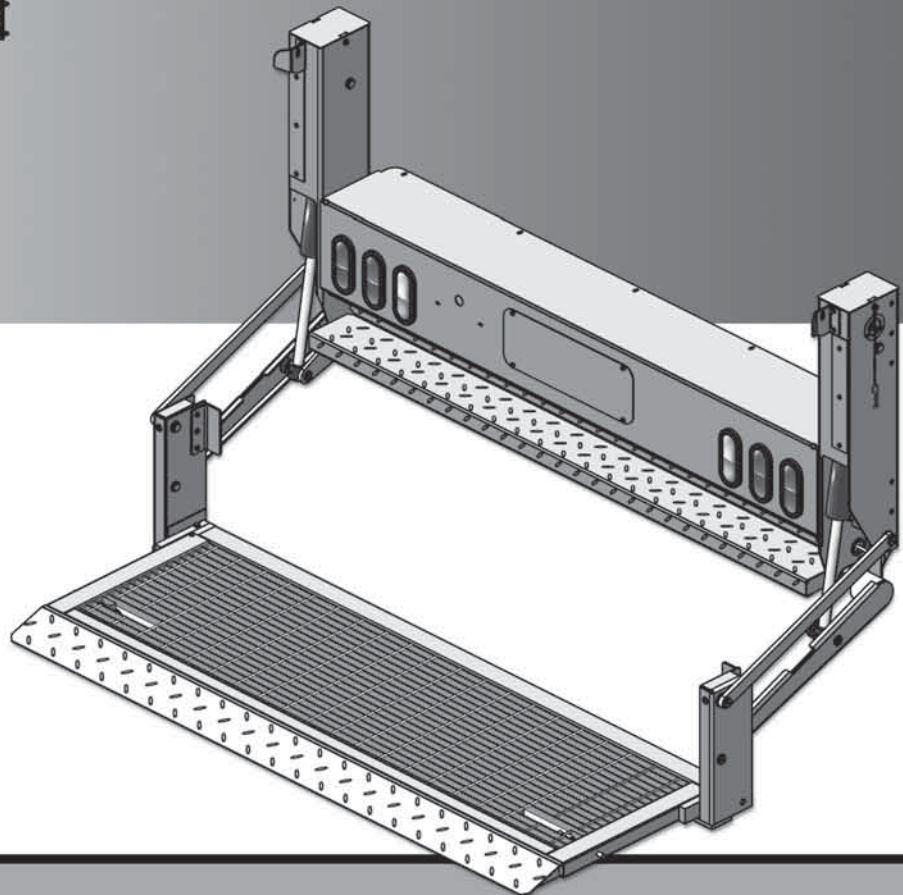
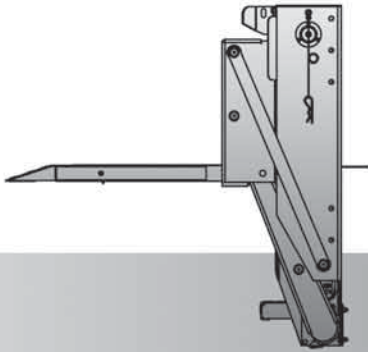
MAXON®

M-22-04
REV. A
JUNE 2025

INSTALLATION MANUAL

MLA

MLA-66 & MLA-86



To find **maintenance & parts** information for your **MLA Liftgate**, go to www.maxonlift.com. Click the **PRODUCTS, LIGHT DUTY & MLA** buttons. Open the **Maintenance Manual** in the **PRODUCT DOCUMENTATION** window. For parts, click on the **PARTS PORTAL, LIGHT DUTY & MLA** buttons.

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SUMMARY OF CHANGES: M-22-04 REVISION A

PAGE	DESCRIPTION OF CHANGE
Cover	Updated REV and date of release.
29	Increased quantity (8) of WARNING decal (P/N 212428-01) on WARNINGS, CAUTIONS & INSTRUCTIONS DECAL SHEET (P/N 212428-01).
30	Updated DECALS and PLATES to show SAFETY INSTRUCTIONS DECAL (P/N 212502-01).

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

WARNING

Installing and maintaining a liftgate can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, install and maintain liftgate in a well-ventilated area and wear **proper Personal protective equipment (PPE)**. For more information go to **www.P65Warnings.ca.gov**.

WARNING

- 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.
- 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 main frame step.
- 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 can result from welds that are done incorrectly.
- Recommended practices for welding galvanized steel are contained in the current **AWS (American Welding Society) D19.0 Welding Zinc-Coated Steel**. Damage to Liftgate and/or vehicle, and personal injury can result from welds that are done incorrectly.

SAFETY INSTRUCTIONS

- 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.
- 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.

NOTICE

- Maxon Lift is responsible for the instructions to correctly install **MAXON** Liftgates on trucks only.
- Liftgate installers, not Maxon Lift, are responsible for reviewing and complying with all applicable Federal, State, and Local regulations pertaining to the truck.

VEHICLE REQUIREMENTS

NOTE: Installer is responsible for ensuring vehicle meets Federal, State, and Local standards and regulations.

BODY STRENGTH

⚠ 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: Maximum Operating Bed Height (**Unloaded**) for body varies depending on platform. Refer to **TABLE 6-1**. Maximum Bed Height is **54" (Unloaded)**. Minimum Bed Height is **36" (Loaded)**. Do not install this Liftgate on vehicle bodies equipped with swing open doors.

The MLA is a body-mounted Liftgate that puts forces on the side walls of truck bodies (**FIG. 6-1**). For correct installation, truck bodies must be strong enough to withstand the tension, compression and shear forces shown in **FIG. 6-1**. Use **TABLE 6-1** to determine the forces that apply to your Liftgate.

X= Tension on each sidewall

Y= Compression on each sidewall

Z= Shear on each sidewall

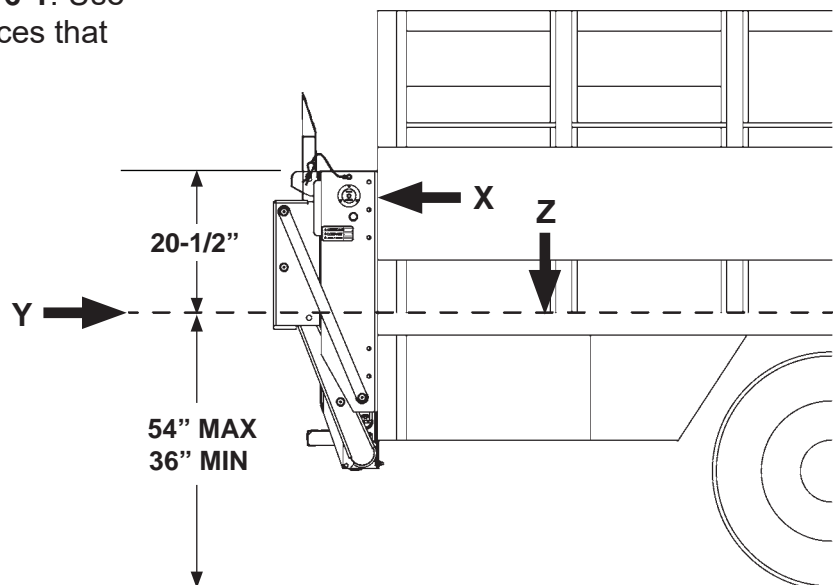


FIG. 6-1

MODEL CAPACITY	(X) (Y) LB	(Z) LB
MLA-66, 1600 LB	2600	2000
MLA-86, 2000 LB	TBD	TBD

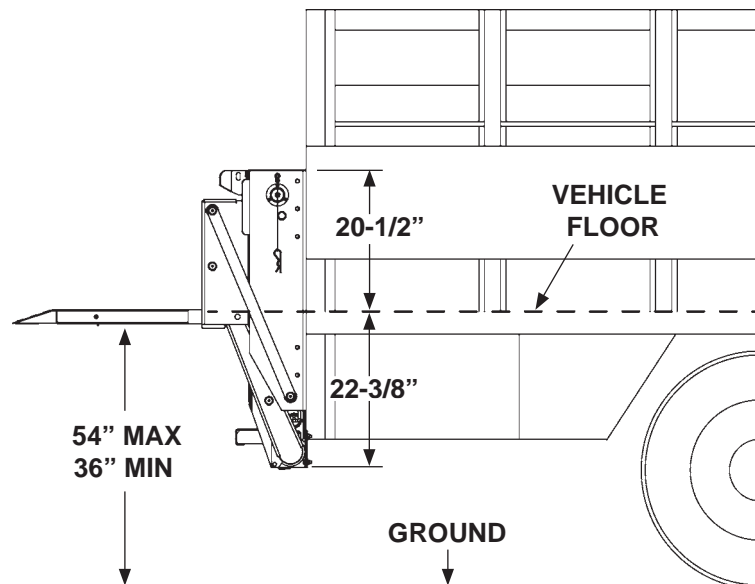
TABLE 6-1

VEHICLE REQUIREMENTS - Continued

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

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

1. Check for correct clearances (**FIG. 7-1**) on vehicle to prevent interference between vehicle and Liftgate.



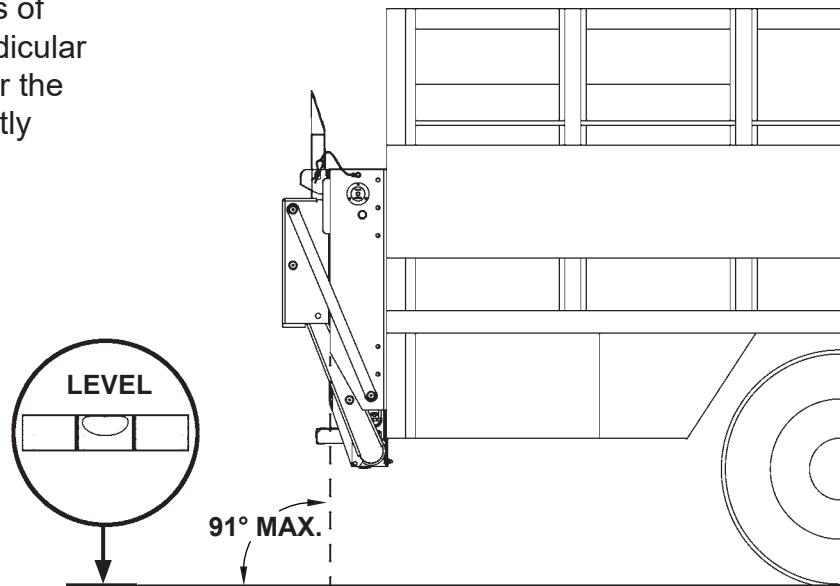
**MLA LIFTGATE
FIG. 7-1**

VEHICLE REQUIREMENTS - Continued

INSTALLED LIFTGATE

NOTE: If Liftgate columns exceed a 91 degree angle from level ground when installed on body, or if columns cannot be mounted flush against rear of vehicle, a steel filler may be used to bridge gap between vehicle body and Liftgate columns. Make sure the added materials and welds meet the **BODY STRENGTH** requirements shown on the previous pages.

1. With the vehicle parked on level ground, the columns of the MLA must be perpendicular to the ground (vertical) for the Liftgate to operate correctly (**FIG. 8-1**).



**LIFTGATE INSTALLED ON TRUCK BODY
(COLUMNS SHOWN PERPENDICULAR TO LEVEL GROUND)
FIG. 8-1**

VEHICLE REQUIREMENTS - Continued

2. With Liftgate centered on vehicle body, each column should fit on the corner posts of vehicle body with little or no offset (**FIG. 9-1**). See **TABLE 9-1**. Some offset from corner posts is allowed on the inboard side of the columns. Liftgate in stow position extends behind vehicle body as shown in **FIG. 9-1A**.

DIMENSION	MLA-66	MLA-86
A	72"	92"
B	61-1/2"	81-1/2"

TABLE 9-1

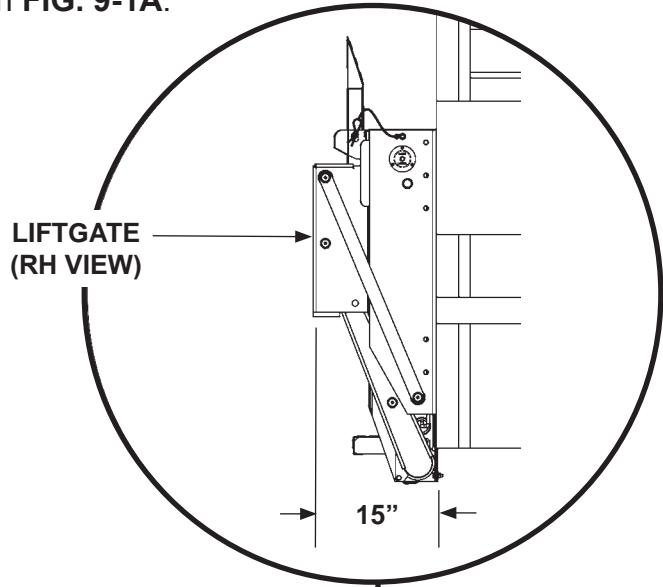
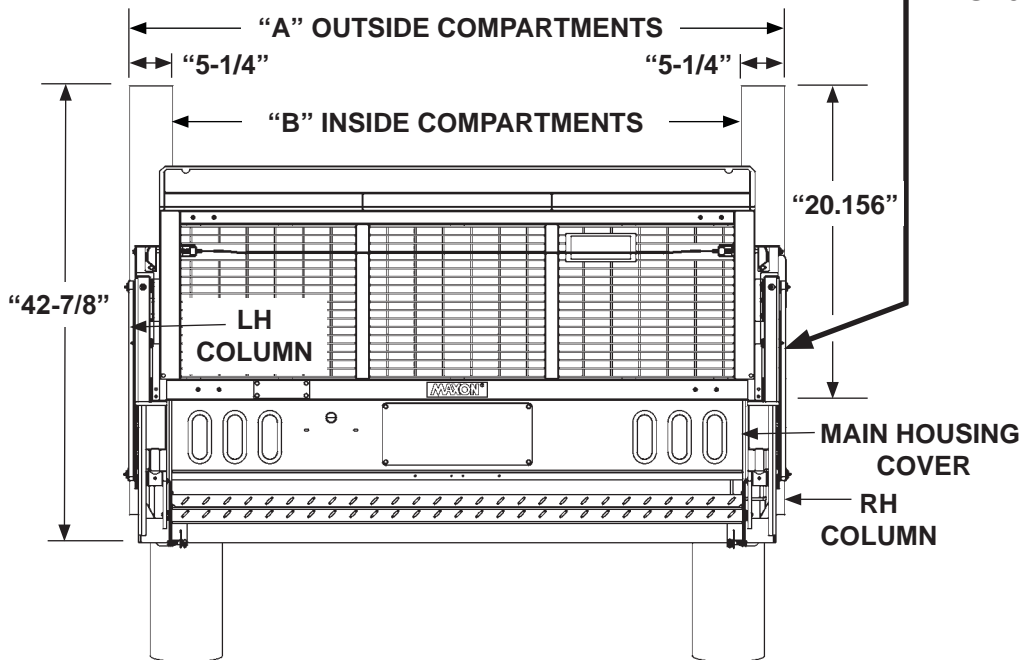


FIG. 9-1A



LIFTGATE COLUMNS FITTED TO BODY CORNER POSTS WITH LITTLE OR NO OFFSET

FIG. 9-1

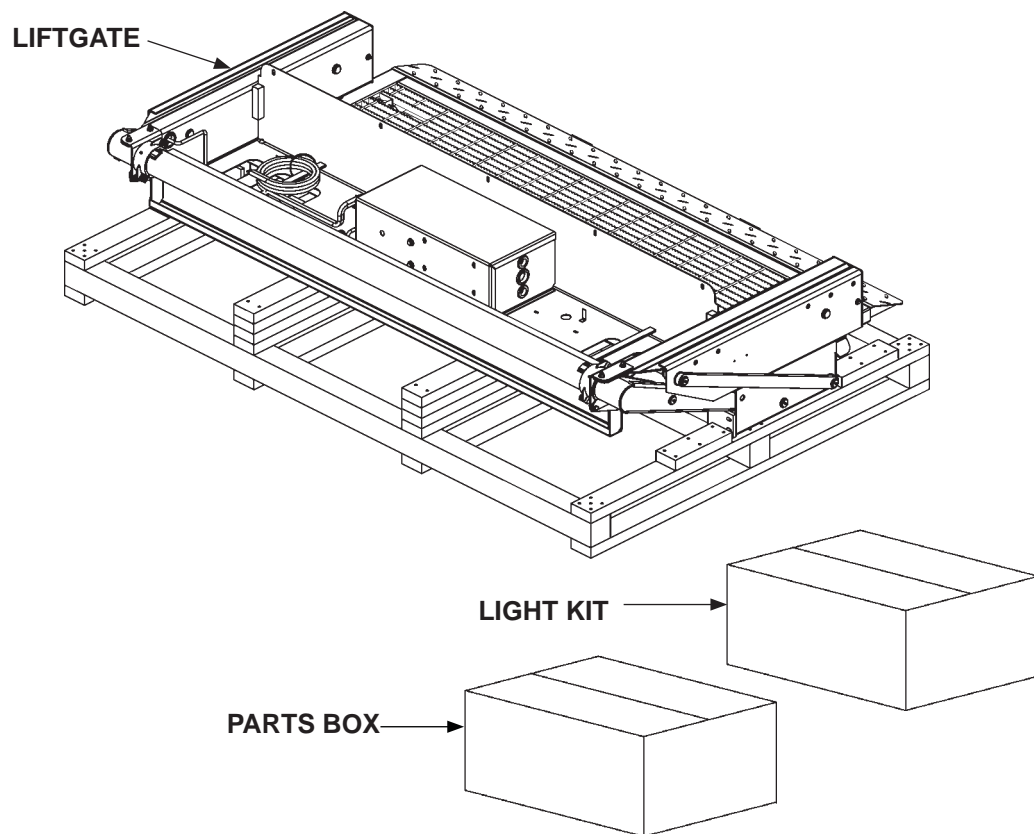
LIFTGATE INSTALLATION COMPONENTS

NOTE: Make sure you have 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



MLA LIFTGATE & PARTS KITS

FIG. 10-1

INSTALLATION & MANUALS KITS

To find **maintenance & parts** information for your **MLA Liftgate**, go to **www.maxonlift.com**. Click the **PRODUCTS, LIGHT DUTY & MLA** buttons. Open the **Maintenance Manual** in the **PRODUCT DOCUMENTATION** window. For parts, click on the **PARTS PORTAL, LIGHT DUTY & MLA** buttons.

ITEM	NOMENCLATURE OR DESCRIPTION	QTY	PART NUMBER
REF	MLA PARTS BOX	1	212433-01
1	CIRCUIT BREAKER, 150 AMP	1	907207-02
2	SCREW, SELF TAPPING, 1/4"-20 X 5/8" LG.	2	900705-02
3	COPPER LUG, 4 GA, 3/8"	4	907278-01
4	HEAT SHRINK TUBING, 3/4" X 1-1/2" LG.	4	253316-04
5	MAXON 24/7 SUPPORT DECAL	1	298634-01
6	GREASE FITTING, 1/4", SELF-DRILLING	8	224342
7	CABLE ASSEMBLY, 2 GA, RED, 5/16", 3/8" RING, 33" LG.	1	285506-12

TABLE 11-1

ITEM	NOMENCLATURE OR DESCRIPTION	QTY	PART NUMBER
REF	MLA STOP, TURN & TAILLIGHTS KIT, FOREIGN & DOMESTIC	1	212835-01
1	OVAL LED LAMP, STOP, TURN & TAILLIGHT	4	285371-02
2	OVAL LED LAMP, STOP, TURN & TAILLIGHT	2	285371-01
3	STOP, TURN & TAILLIGHT PIGTAIL, 16 GA, 11" LG.	4	212832-01
4	BACKUP PIGTAIL, 16 GA, 11" LG.	2	212833-01
5	GROMMET	6	261687-01
6	BUTT SPLICE, 16 GA	16	263891-01
7	LICENSE PLATE LIGHT, TRUCK LIGHT	1	906466-01

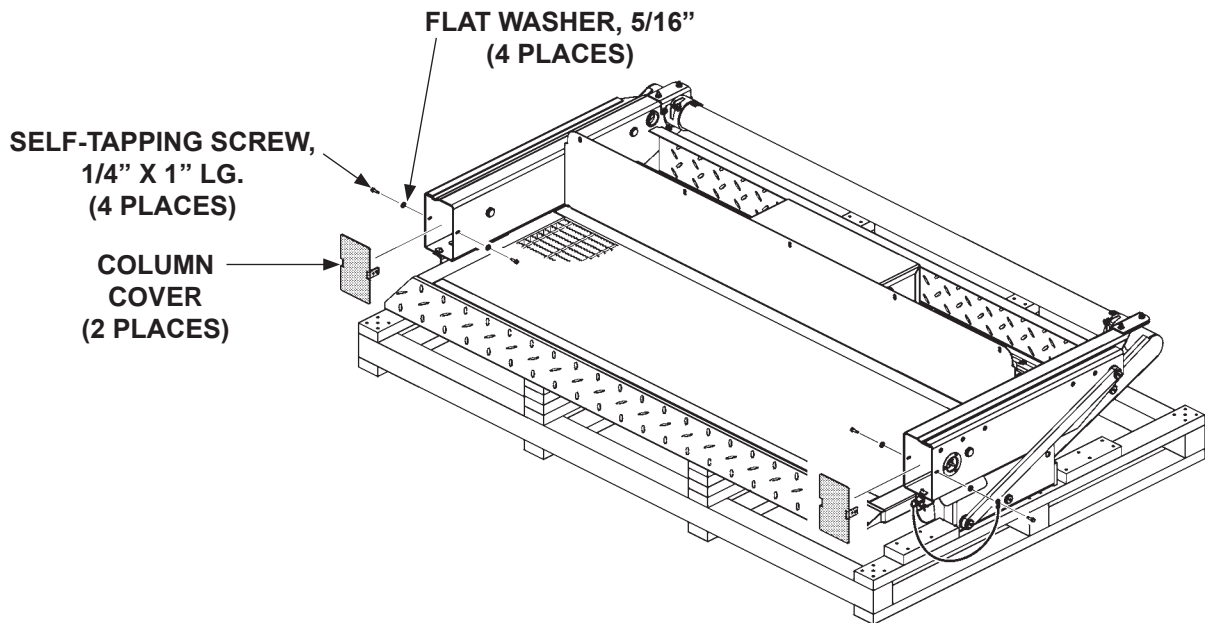
TABLE 11-2

ITEM	NOMENCLATURE OR DESCRIPTION	QTY	PART NUMBER
REF	MLA MANUALS KIT	1	212874-01
1	INSTALLATION MANUAL	1	M-22-04
2	OPERATION MANUAL	1	M-22-05

TABLE 11-3

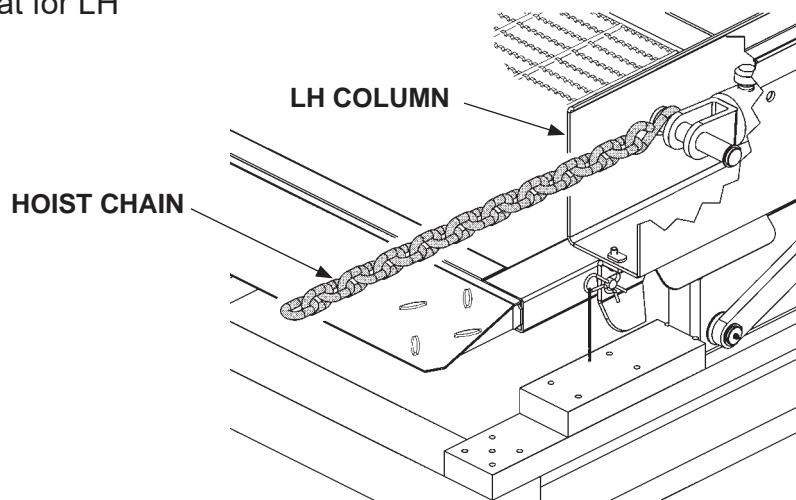
STEP 1 - POSITION LIFTGATE

1. Unbolt column covers (**FIG. 12-1**). Retain column covers and fasteners for reuse.



UNBOLT COLUMN COVERS
FIG. 12-1

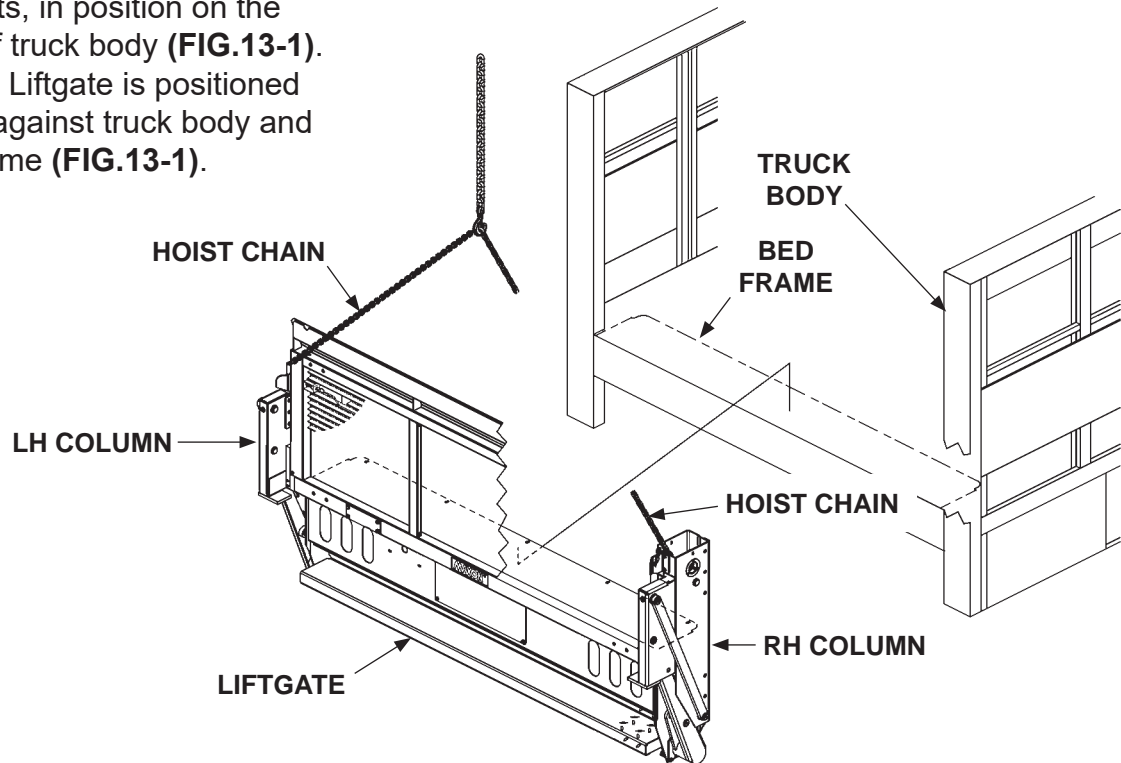
2. Remove shipping bands from pallet and position liftgate behind truck. Attach hoist inside RH column as shown in **FIG. 12-2**. Repeat for LH column.



ATTACHING HOIST TO LIFTGATE
(RH COLUMN SHOWN)
FIG. 12-2

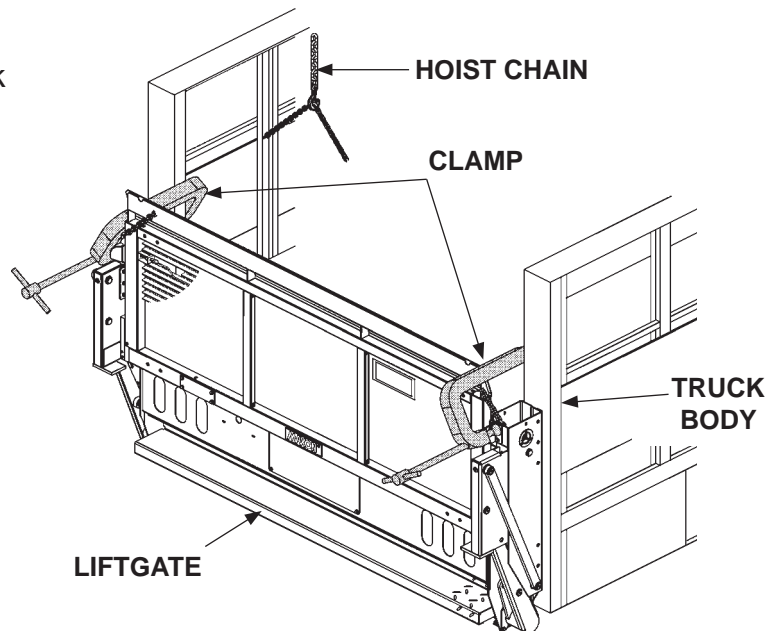
STEP 1 - POSITION LIFTGATE - Continued

3. Hoist liftgate, by the column supports, in position on the back of truck body (**FIG.13-1**). Ensure Liftgate is positioned tightly against truck body and bed frame (**FIG.13-1**).



POSITIONING LIFTGATE ON TRUCK BODY
FIG. 13-1

4. Clamp Liftgate in position against truck body prior to tack welding (**FIG.13-2**). Do NOT remove hoist.



CLAMP LIFTGATE ON TRUCK BODY
FIG. 13-2

STEP 1 - POSITION LIFTGATE - Continued

TACK WELDING LIFTGATE TO BODY

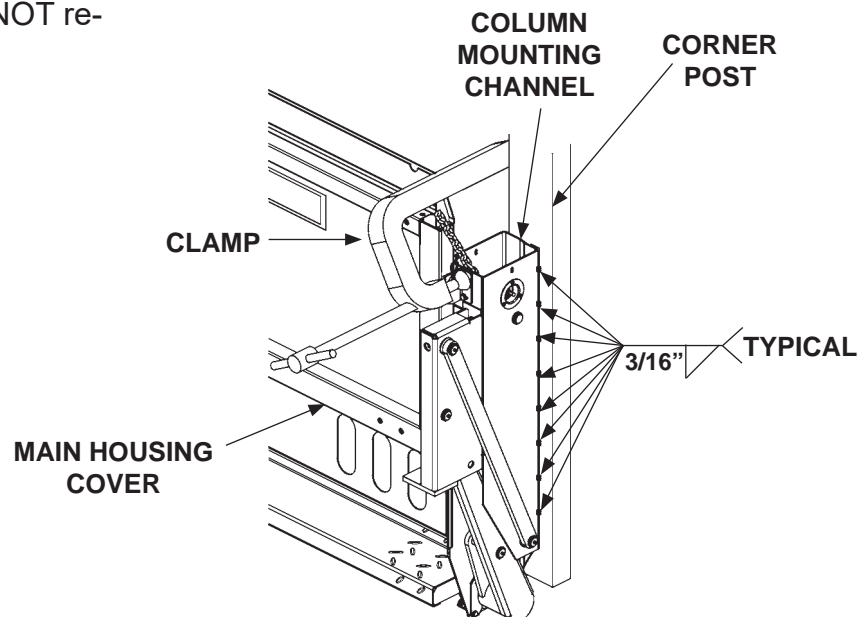
WARNING

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, can result from welds that are done incorrectly.

NOTE: Before welding Liftgate mounting channels to vehicle body, make sure:

- Liftgate is centered on the truck body, lip flush with truck floor, and column mounting channels are square and tight against truck body.
- Inboard edge at top of main housing is flush with the top of the rear sill on truck body.
- Top surface of main housing is level with the ground.

5. Tack weld the RH and LH column mounting channels to truck body corner post as shown in **FIG. 14-1**. Remove clamps, but DO NOT remove hoist.



**TACK WELDING LIFTGATE ON VEHICLE BODY
(RH SIDE SHOWN)**

FIG. 14-1

STEP 2 - RUN POWER & GROUND CABLES

⚠ CAUTION

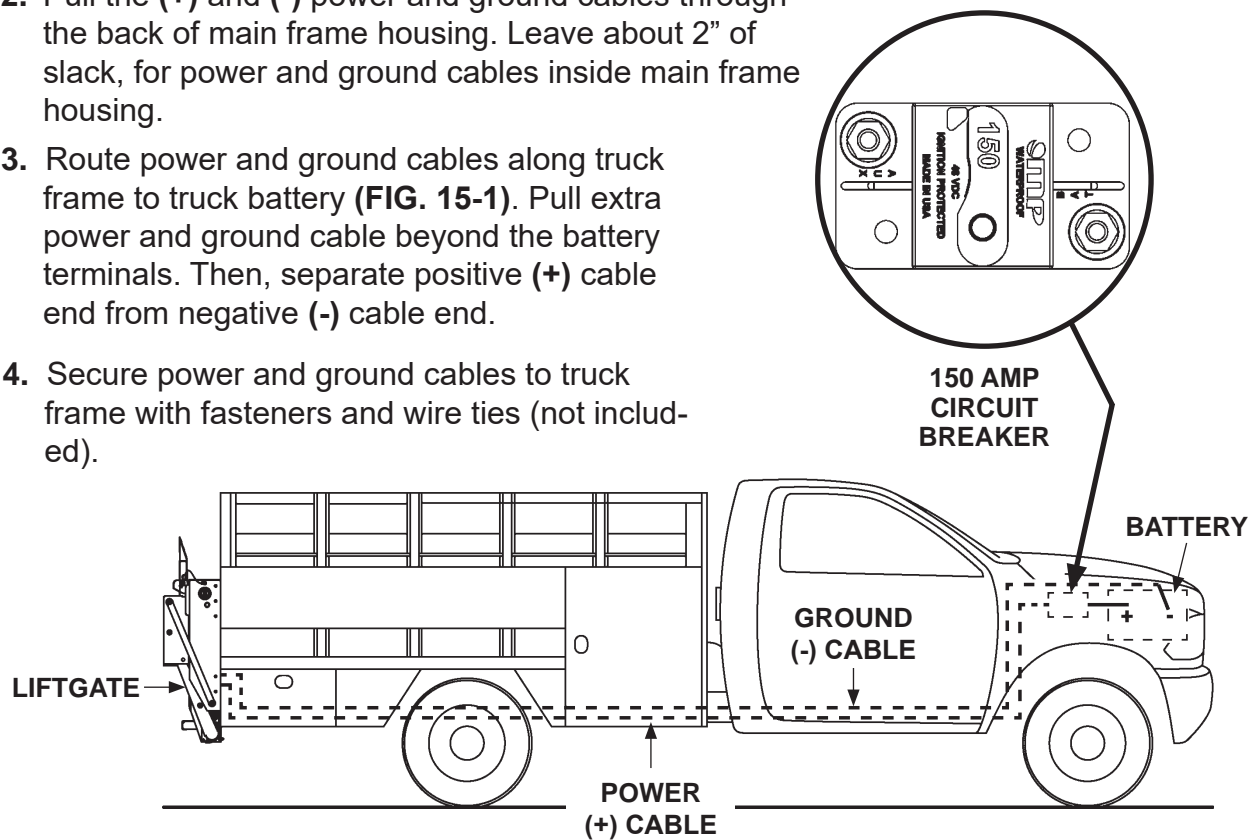
Never route an energized wire. Make sure the vehicle battery is disconnected. Always route electrical wires clear of moving parts, brake lines, sharp edges and exhaust systems. Keep power and ground wires separated. Avoid making sharp bends in wiring. Attach securely. If drilling is necessary, first check behind the drilling surface to prevent damage to any fuel lines, vent lines, brake lines or wires.

NOTE: Ensure the lug end of each cable is long enough to reach the power (+) and ground (-) terminal connections on truck battery and Liftgate power unit in main housing, without straining the cable connections.

NOTICE

MAXON recommends installing the optional Cab Cutoff Switch Kit, P/N 286691-01.

1. Install 150 AMP circuit breaker (Kit item) inside the engine compartment near truck battery (+) terminal and away from moving parts (**FIG. 15-1**). Allow enough room for power and ground cables to be run and for easy access to circuit breaker.
2. Pull the (+) and (-) power and ground cables through the back of main frame housing. Leave about 2" of slack, for power and ground cables inside main frame housing.
3. Route power and ground cables along truck frame to truck battery (**FIG. 15-1**). Pull extra power and ground cable beyond the battery terminals. Then, separate positive (+) cable end from negative (-) cable end.
4. Secure power and ground cables to truck frame with fasteners and wire ties (not included).



**ROUTING POWER & GROUND CABLES FROM TRUCK BATTERY TO LIFTGATE
FIG. 15-1**

STEP 2 - RUN POWER & GROUND CABLES - Continued

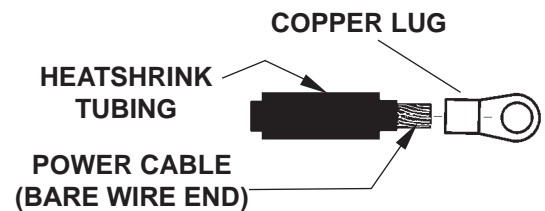
⚠ CAUTION

Make sure vehicle battery cables are disconnected before connecting lift-gate power (+) and ground (-) cables to vehicle battery.

NOTE: Before connecting battery cables to 150A circuit breaker, apply a thin coating of dielectric grease to all terminals and lugs.

NOTE: For detailed information on electrical connections, refer to **SYSTEMS DIAGRAMS, ELECTRICAL & HYDRAULIC SCHEMATIC** section in this manual.

4. Cut positive (+) cable to the length required to reach the **AUX** terminal of the circuit breaker (**FIG. 16-1**), without putting strain on the connection. Install copper lug (Kit item) (**FIGS. 16-1 and 16-2**). Then, connect to **AUX** terminal on 150A circuit breaker.



PLACING COPPER LUG & HEATSHRINK TUBING ON POWER CABLE
FIG. 16-1

5. Cut remaining positive (+) cable long enough to reach from the circuit breaker **BAT** terminal to the positive (+) battery terminal (**FIG. 16-1**) without putting strain on the connection. Install copper lugs (Kit item) on both ends of cable (**FIGS. 16-1 and 16-2**). Then, connect cable to **BAT** terminal on 150A circuit breaker and positive (+) terminal on battery.

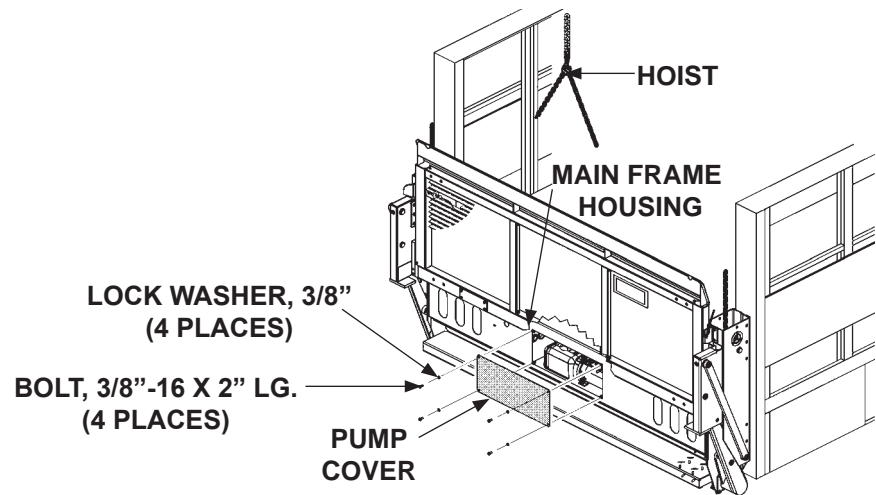


TYPICAL POWER CABLE WITH COPPER LUG INSTALLED
FIG. 16-2

6. Cut negative (-) cable to length required to reach negative (-) battery terminal without putting strain on the connection. Install copper lug (Kit item) (**FIGS. 16-1 and 16-2**). Then, connect cable to negative (-) terminal on battery.

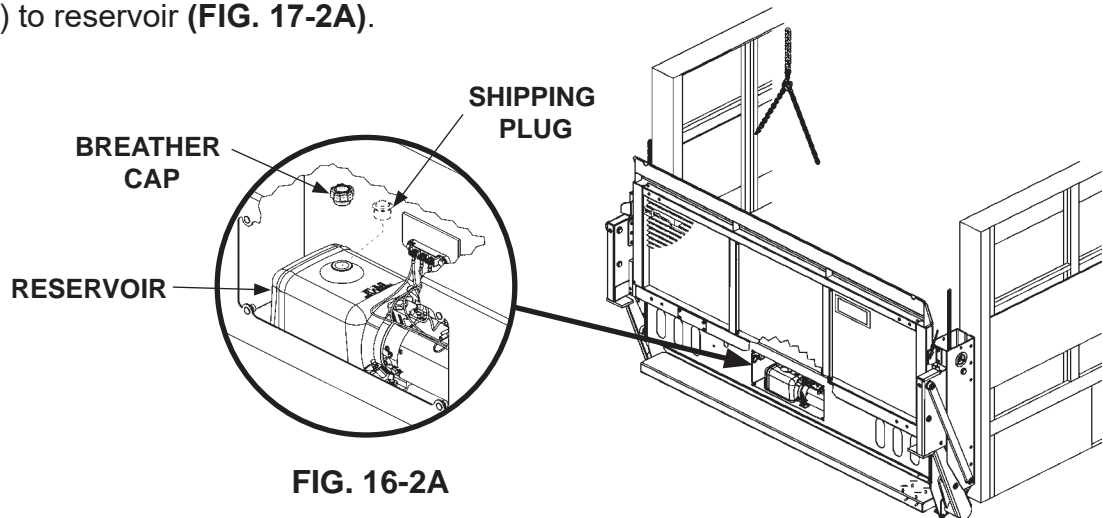
STEP 3 - PREPARING LIFTGATE FOR FINAL WELDING

1. Unbolt the pump cover on the main frame housing (FIG. 17-1).



UNBOLT PUMP COVER
FIG. 17-1

2. Remove the shipping plug from the hydraulic fluid reservoir (FIGS. 17-2 and 17-2A). Attach breather cap (Kit item) to reservoir (FIG. 17-2A).



REPLACE RESERVOIR SHIPPING PLUG
FIG. 17-2

STEP 3 - PREPARING LIFTGATE FOR FINAL WELDING - Continued

3. Remove pin clip from the platform latch pin (FIGS. 18-1 and 18-1A).

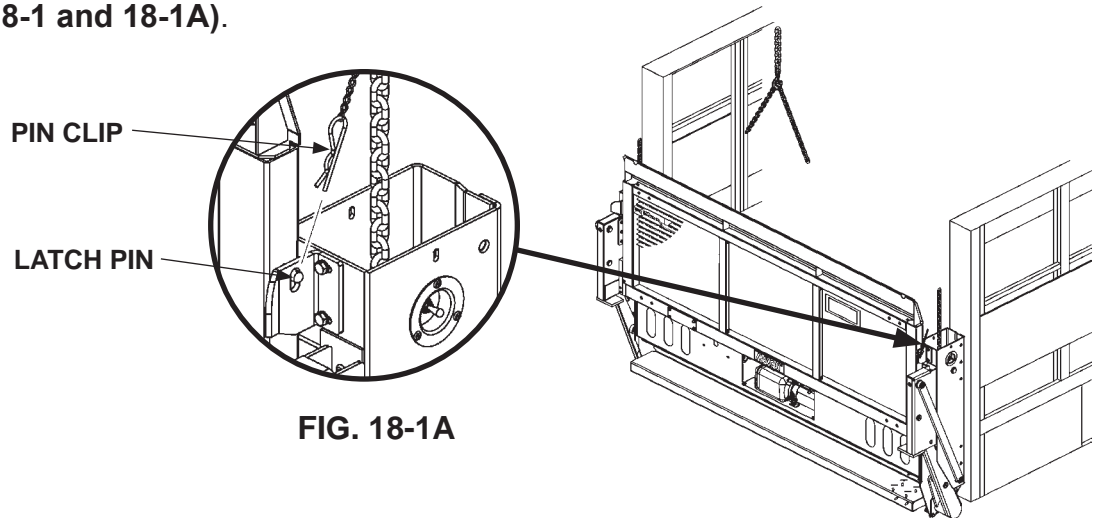


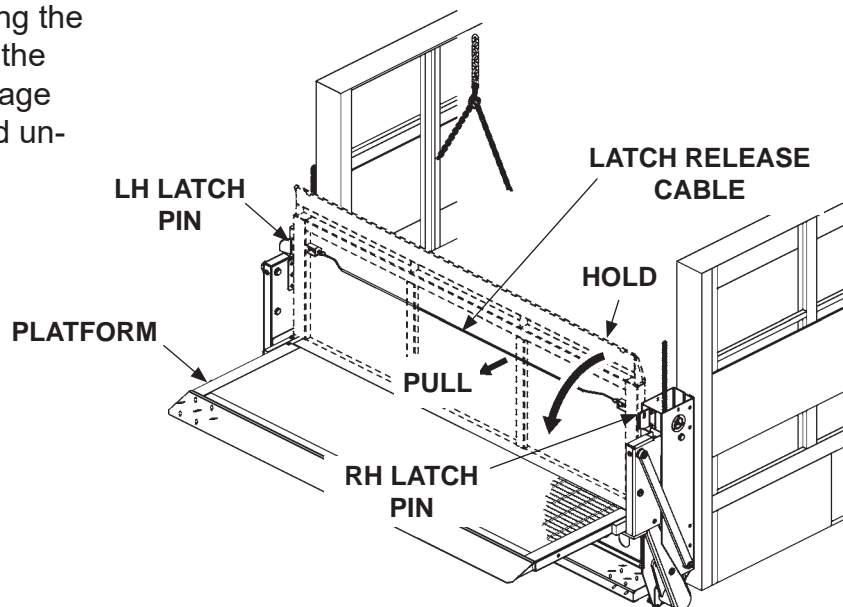
FIG. 18-1A

REMOVE PLATFORM PIN CLIP
FIG. 18-1

⚠ WARNING

Releasing the platform latch mechanism allows the platform to fall open. To avoid serious injury, do not release the platform until it is supported by hand. Use a second person to help support the platform.

4. Stand clear of the area where the platform unfolds. While holding the platform with right hand, pull the latch release cable to disengage the RH and LH latch pins and unfold platform (FIGS. 18-2).



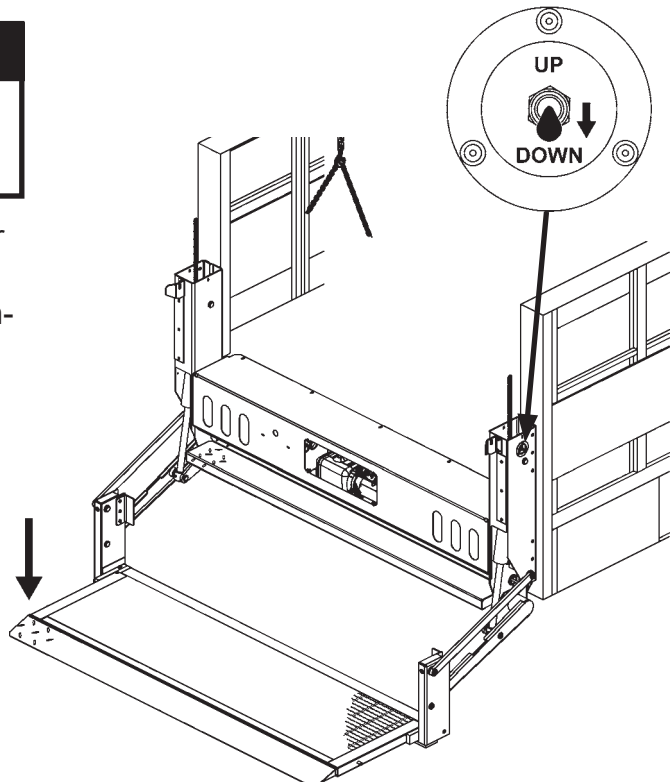
UNFOLDING PLATFORM
FIG. 18-2

STEP 3 - PREPARING LIFTGATE FOR FINAL WELDING - Continued

⚠ WARNING

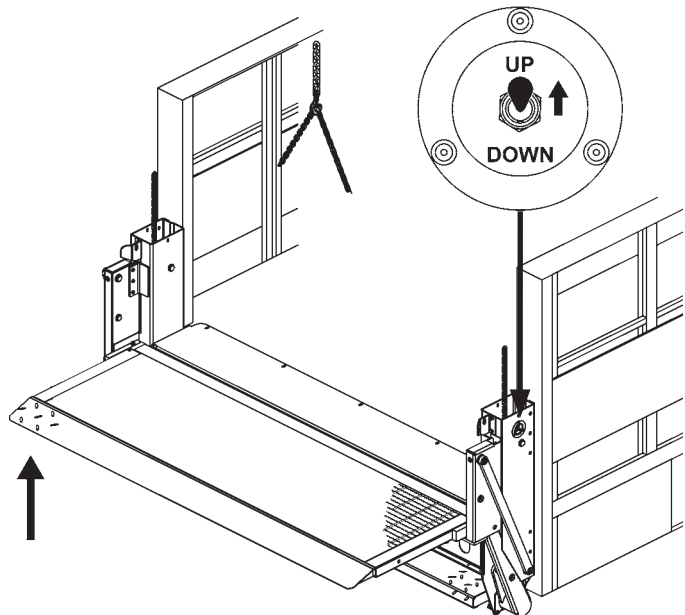
Before lowering platform, make sure area surrounding platform is clear of people and objects.

5. Use control switch (**DOWN**) to lower platform to the ground (**FIG. 19-1**). Release switch when platform reaches the ground.



LOWERING PLATFORM TO THE GROUND
FIG. 19-1

6. Use control switch (**UP**) to raise platform from the ground to bed height (**FIG. 19-2**). Release switch when platform reaches bed height.
7. Ensure Liftgate operates smoothly. Correct any operating problems before final welding.



RAISING PLATFORM TO BED HEIGHT
FIG. 19-2

STEP 4 - FINISH WELDING LIFTGATE TO VEHICLE

⚠ WARNING

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 can result from welds that are done incorrectly.

CAUTION

When using an electric welder, connect the welder ground to one of the parts being welded, as close to the weld as possible. Failure to comply could result in damage to cylinders and electrical parts.

CAUTION

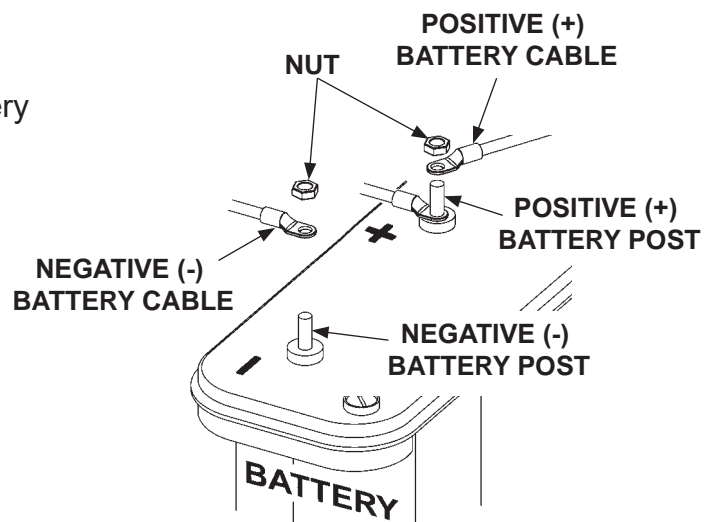
Prevent damage to hydraulic hoses. Before welding next to hydraulic hoses, protect the hoses with a heat-resistant cover.

CAUTION

Prevent damage to the platform. Before welding, protect platform from welding spatter by using a heat-resistant cover.

NOTE: If Liftgate mounting channels 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 REQUIREMENTS** indicated in this manual.

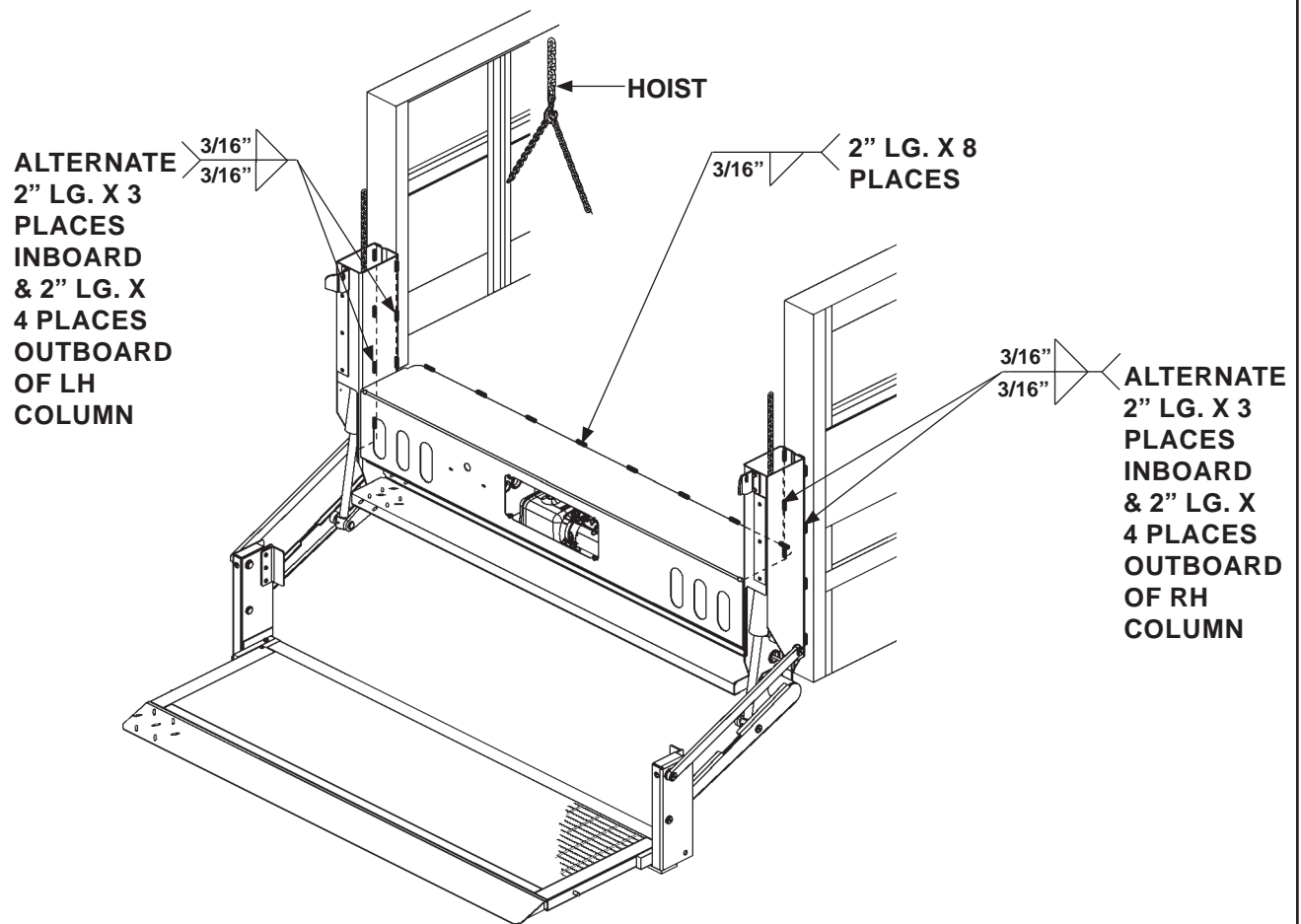
1. Disconnect power to the pump by disconnecting negative (-) and positive (+) cables from battery (FIG. 20-1). Reinstall nuts on negative (-) and positive (+) battery terminals.



DISCONNECTING BATTERY POWER
FIG. 20-1

STEP 4 - FINISH WELDING LIFTGATE TO VEHICLE - Continued

2. Weld the Liftgate RH and LH column mounting channels and main frame lip to vehicle body as shown in **FIG. 21-1**.

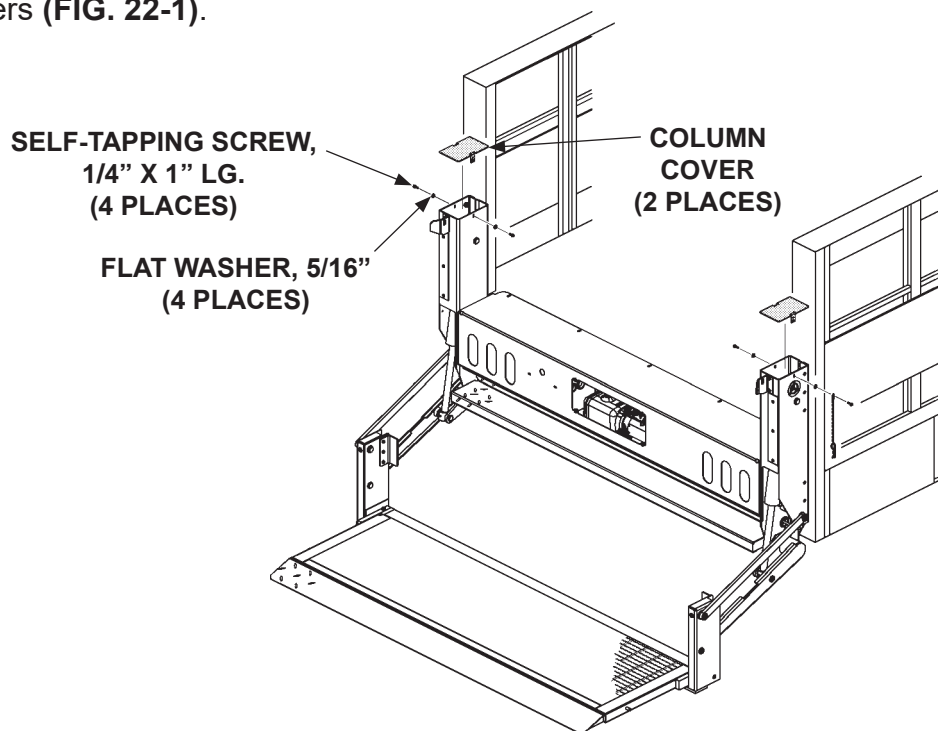


FINAL WELDING LIFTGATE ON VEHICLE BODY
FIG. 21-1

3. Remove hoist chains from columns.

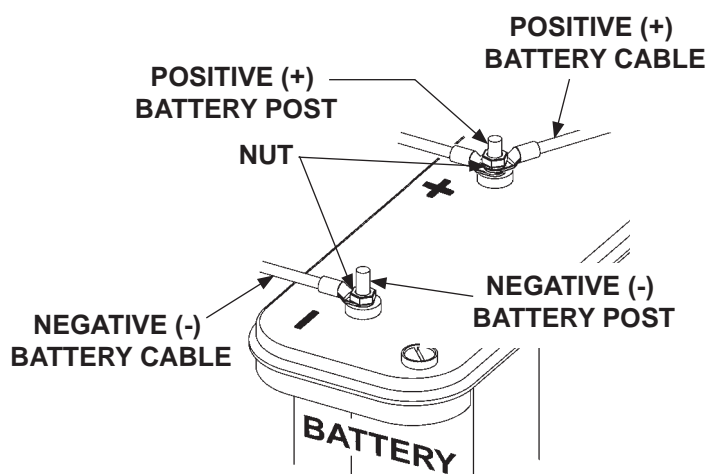
STEP 4 - FINISH WELDING LIFTGATE TO VEHICLE - Continued

4. Bolt on column covers (**FIG. 22-1**).



BOLT ON COLUMN COVERS
FIG. 22-1

5. Reconnect power to the pump by reconnecting positive (+) and negative (-) cables to battery (**FIG. 22-2**). Reinstall and tighten nut when each battery cable is reconnected.



RECONNECTED BATTERY CABLES
FIG. 22-2

STEP 5 - CHECKING HYDRAULIC FLUID

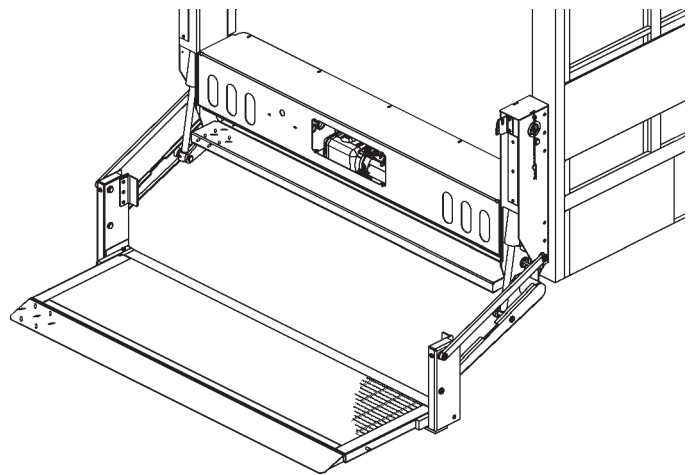
CAUTION

Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir breather cap and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination. Never mix synthetic fluids with conventional hydraulic fluids. Hydraulic system must be purged if the fluids are mixed.

CAUTION

Hydraulic system is filled at the factory with correct amount of oil. It is unnecessary to add more oil except as required for periodic maintenance of the Liftgate. See TABLE 23-1 for recommended brands ISO 32 oil.

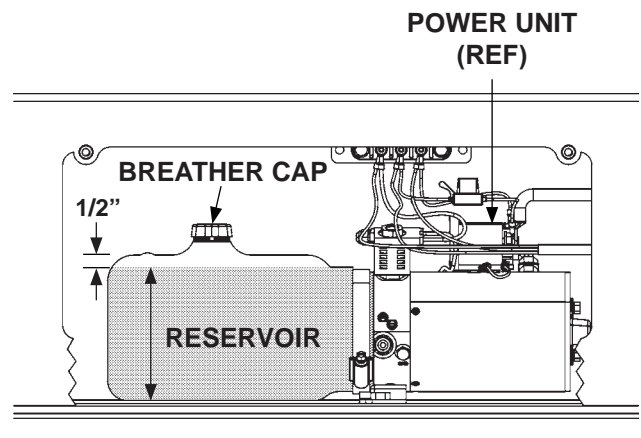
1. Unfold and lower platform to the ground (**FIG. 23-1**). Refer to **Operation Manual** for detailed operating instructions.



PLATFORM OPEN ON THE GROUND
FIG. 23-1

2. Check the hydraulic fluid level in reservoir as follows. With platform on the ground, level should be as shown in **FIG. 23-2**.

3. If needed, add fluid to the reservoir as follows. Remove breather cap (**FIG. 23-2**). Fill the reservoir with hydraulic fluid to level shown in **FIG. 23-2**. Reinstall breather cap.



POWER UNIT FLUID LEVEL
(FIG. 23-2)

STEP 5 - CHECKING HYDRAULIC FLUID - Continued

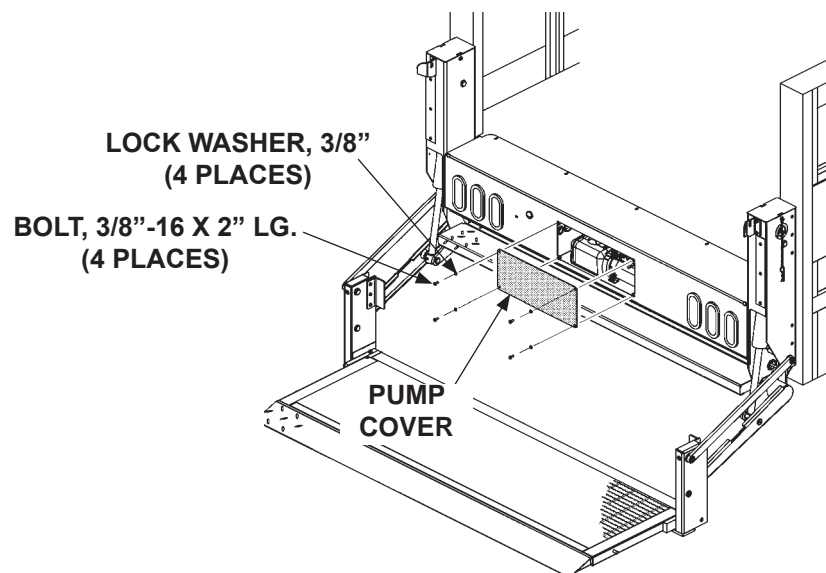
HYDRAULIC OIL, ISO 32	
RECOMMENDED BRANDS	PART NUMBER
CHEVRON	CHEVRON AV MV32
U.S. PRESTIGE	PRESTIGE AW HVI 32
MOBIL OIL	MOBIL DTE 10 EXCEL 32
ROSEMEAD	ROSEMEAD MV150

TABLE 24-1

CAUTION

Main housing pump cover must be secured correctly to prevent it from becoming a hazard.

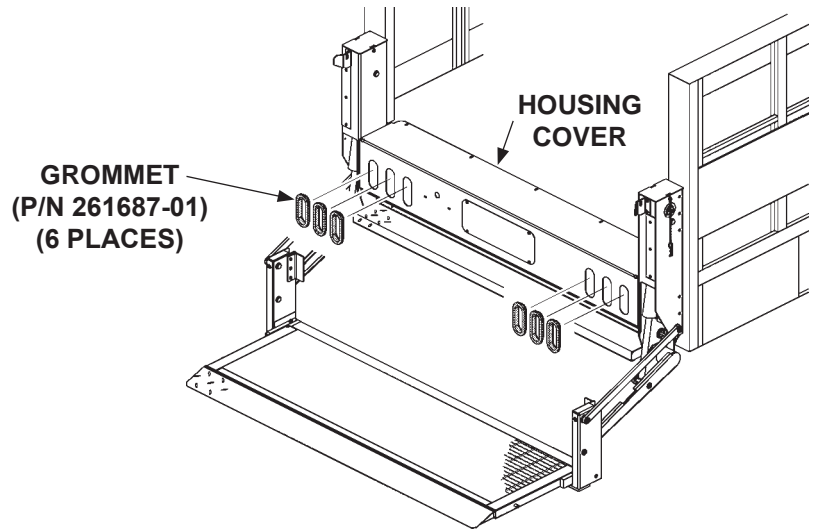
4. Bolt on pump cover (FIG. 24-1).
Torque the 3/8"-16 cover bolts from
16 to 24 lb-ft.



BOLT ON PUMP COVER
FIG. 24-1

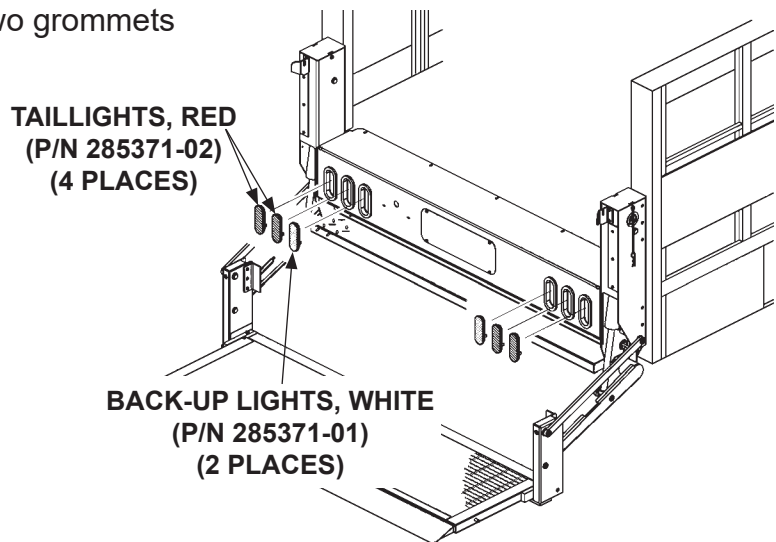
STEP 6 - INSTALLING TAILLIGHTS

1. Install rubber grommets (Kit items) into the housing cover openings for the brake and backup tail-lights (**FIG. 25-1**).



**INSTALLING TAILLIGHT GROMMETS
FIG. 25-1**

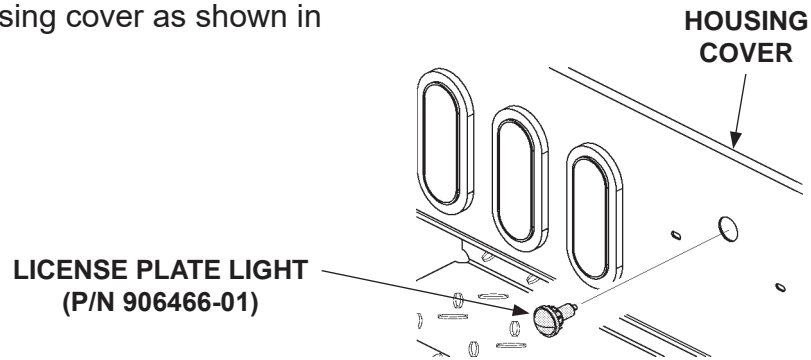
2. Install four red brake/taillights (Kit items) in the outer two grommets on each side of housing cover (**FIG. 25-2**). Install the white backup lights (Kit items) in the center two grommets (**FIG. 25-2**).



**INSTALLING TAILLIGHTS
FIG. 25-2**

STEP 6 - INSTALLING TAILLIGHTS - Continued

3. Install license plate light (Kit item) in the hole on the LH side of housing cover as shown in FIG. 26-1.

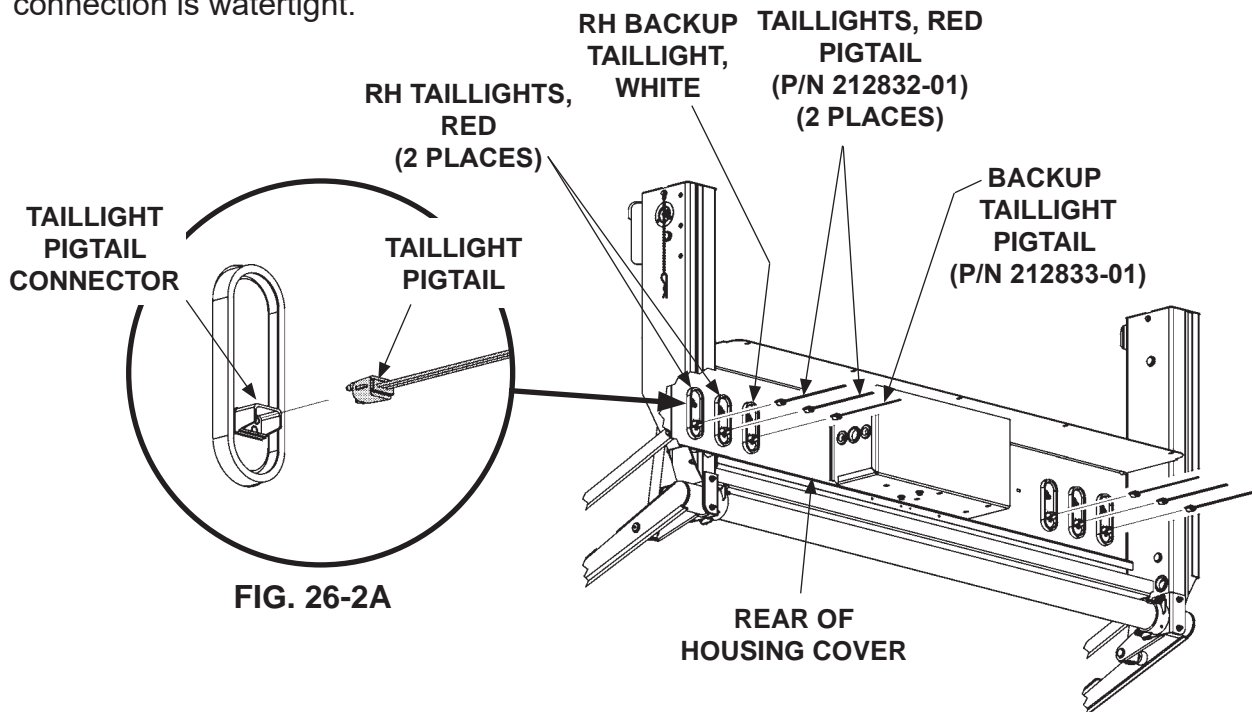


INSTALLING LICENSE PLATE LIGHT
FIG. 26-1

CAUTION

Route enough of the taillights cable inside the main housing to prevent strain on wiring harness connections for taillights on the housing cover.

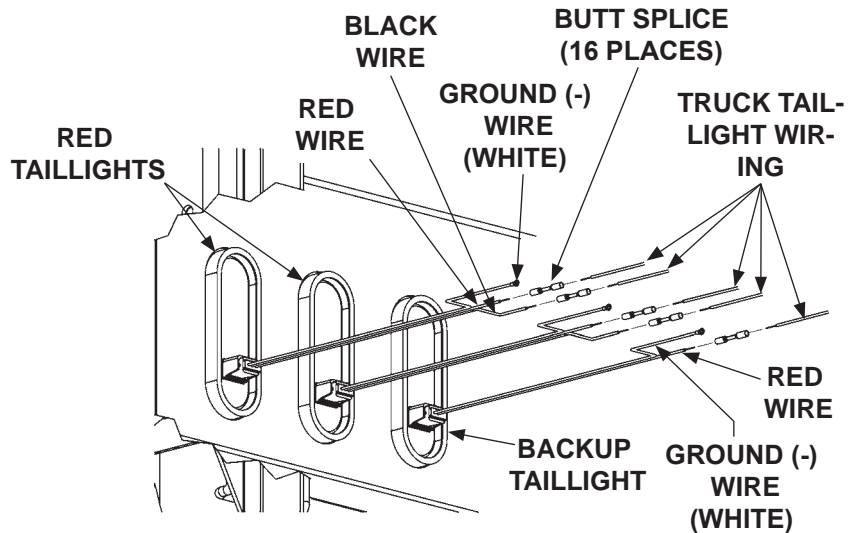
4. Connect the RH stop, turn and taillight and backup taillight pigtails (Kit items) to the taillight pigtail connector on each taillight (FIGS. 26-2 & 26-2A). Connect pigtails to LH taillights. Make sure each connection is watertight.



CONNECTING TAILLIGHTS TO PIGTAILS
FIG. 26-2

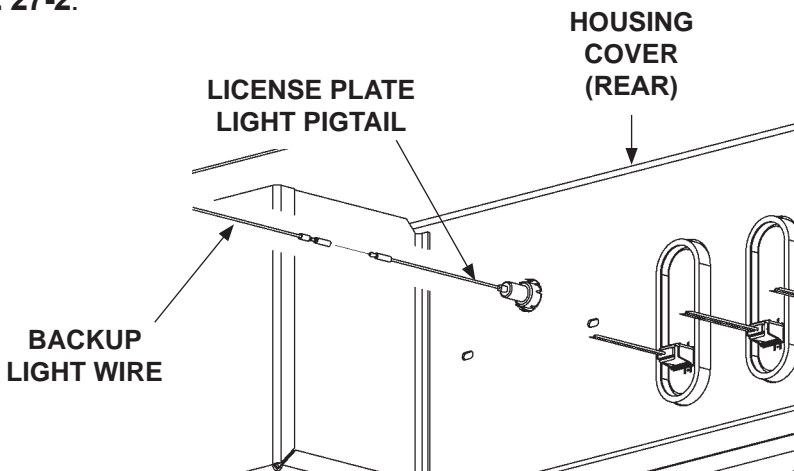
STEP 6 - INSTALLING TAILLIGHTS - Continued

5. Connect the taillights pigtails to the truck taillight harness using butt splices (Kit items) as shown in **FIG. 27-1**.



**CONNECTING TAILLIGHTS TO
TRUCK HARNESS
FIG. 27-1**

6. Connect the backup light pigtail to the truck taillight wire as shown in **FIG. 27-2**.

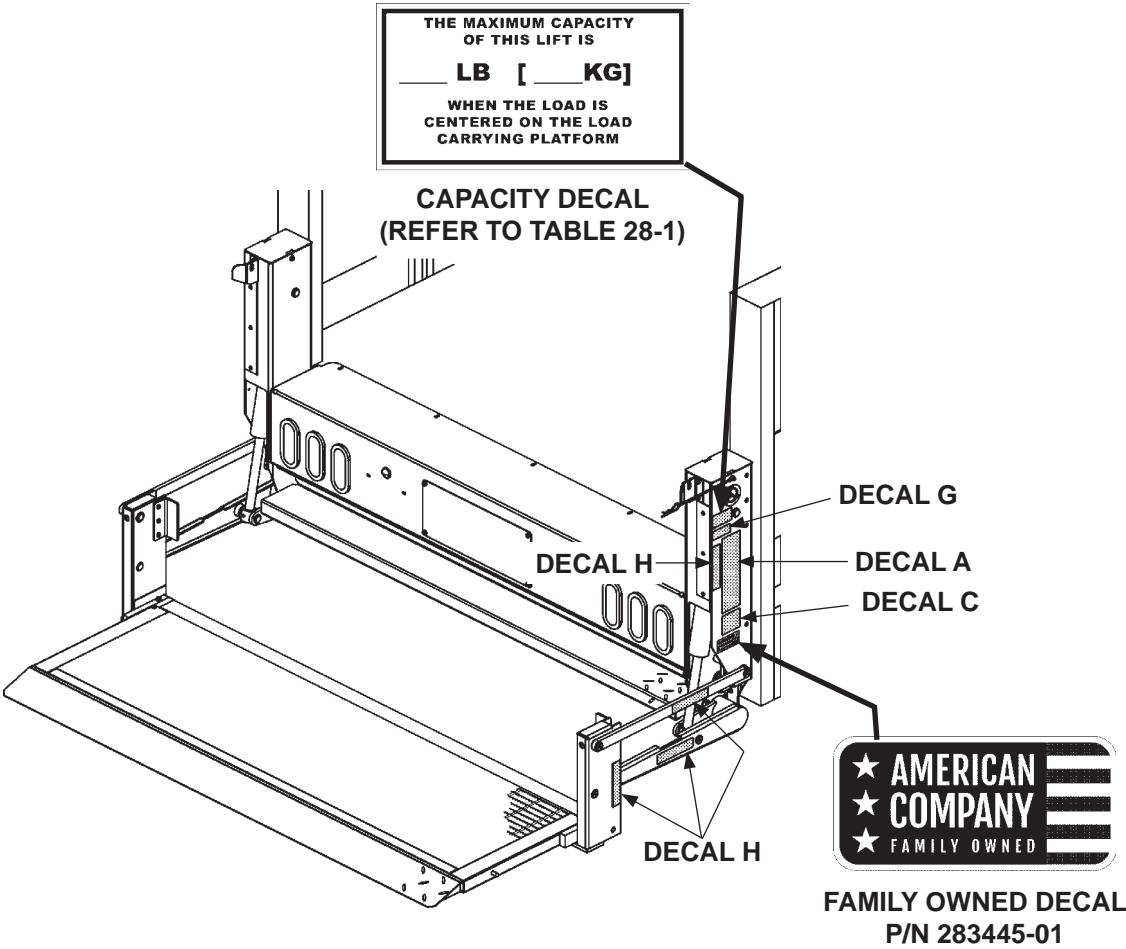


**CONNECTING LICENSE PLATE LIGHT
TO TRUCK HARNESS
FIG. 27-2**

DECALS

NOTE: Decals are preinstalled at factory.
Decal location shown for reference.

NOTE: Ensure there is no residue, dirt or corrosion where decals are attached.
If necessary, clean surface before replacing decals.



MLA LIFTGATE (CURB SIDE)
FIG. 28-1

MODEL	ORDER P/N	DECAL "CAPACITY"
MLA-66	224751	1600 LBS. (725 KG)
MLA-86	220387	2000 LBS. (907 KG)

CAPACITY DECAL PART NUMBERS
TABLE 28-1

DECALS - Continued

OPERATING INSTRUCTIONS

MLA
Scan this QR code to see operation manual or video.

1 SET CAB SWITCH (IF EQUIPPED) TO ON POSITION.

2 SWITCH UP FOR 1 SECOND & RELEASE. THEN PULL OUT COTTER PIN TO PREPARE PLATFORM FOR RELEASE.

COTTER PIN PULLED

3 COMPLY WITH WARNINGS TO STAY CLEAR OF PATH WHERE PLATFORM IS UNFOLDED & OPERATED. USE RIGHT HAND TO HOLD RIGHT SIDE OF PLATFORM. PULL CABLE WITH LEFT HAND TO RELEASE PLATFORM LATCH PINS.

4 UNFOLD PLATFORM.

5 LOWER (DN) & RAISE (UP) PLATFORM.

6 TO STOW: RAISE PLATFORM TO BED HEIGHT. FOLD PLATFORM. ENGAGE LATCH PINS. INSERT COTTER PIN.

7 SET CAB SWITCH (IF EQUIPPED) TO OFF POSITION.

PIN 212428-01 (A)

WARNING

Read this information carefully.

- Improper operation of this Liftgate can result in serious personal injury. If you do not have a copy of the operating instructions, please obtain them from your employer, distributor, or lessor before you attempt to operate Liftgate.
- If there are signs of improper maintenance, damage to vital parts, or slippery platform surface, do not use the Liftgate until these problems have been corrected.
- If you are using a pallet jack, be sure it can be maneuvered safely.
- Do not operate a forklift on the platform.
- 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.
- Do not ride on the platform or allow others to ride on the platform.
- 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 or call Customer Service at (800) 227-4116.

SAFETY INSTRUCTIONS

Read all decals and operation manual before operating liftgate.

- Do not use liftgate unless you have been properly instructed and have read, and are familiar with, the operating instructions.
- Be certain vehicle is properly and securely braked before using the liftgate.
- Always inspect this liftgate for maintenance or damage before using it. Do not use liftgate if it shows any sign of damage or improper maintenance.
- Do not overload
- Make certain the area in which the platform will open and close is clear before opening or closing the platform.
- Make certain platform area, including the area in which loads may fall from platform, is clear before and at all times during operation of liftgate.
- This liftgate is intended for loading and unloading of cargo only. Do not use this liftgate for anything but its intended use.

PIN 212428-01 (B)

CAUTION

Electrical components and metal parts on this liftgate can be severely damaged by connecting an electric welder incorrectly to the liftgate. To prevent damage, always connect ground lead directly to the component being welded (e.g. runner, column, platform) and as close to the weld as possible.

PIN 212428-01 (E)

NOTICE

The electrical system on this liftgate is protected from overload by a circuit breaker near the positive (+) battery terminal.

PIN 212428-01 (F)

WARNING

Prevent bodily injury. Stay clear of PINCHPOINT.

PIN 212428-01 (H)

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PIN 212428-01 (H)

NOTICE

- Before operating liftgate, ensure platform latch pins are disengaged.
- After operating liftgate, ensure platform is stowed and latched securely.
- Turn OFF cab switch (if equipped) to prevent operation by unauthorized persons.
- Ensure platform is stowed securely before moving the vehicle.

PIN 212428-01 (C)

WARNING

Avoid personal injury and equipment damage after electrical overload and a tripped circuit breaker.

- Ensure area in the path of platform is clear of persons & objects.
- Ensure tripped circuit breaker is cooled down before a reset.
- If breaker continues to trip, stop the reset. Get a qualified mechanic to correct the problem and reset circuit breaker.

PIN 212428-01 (D)

CAUTION

Always stand clear of platform area.

PIN 262522-01 (G)

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Prevent bodily injury. Stay clear of PINCHPOINT.

PIN 212428-01 (H)

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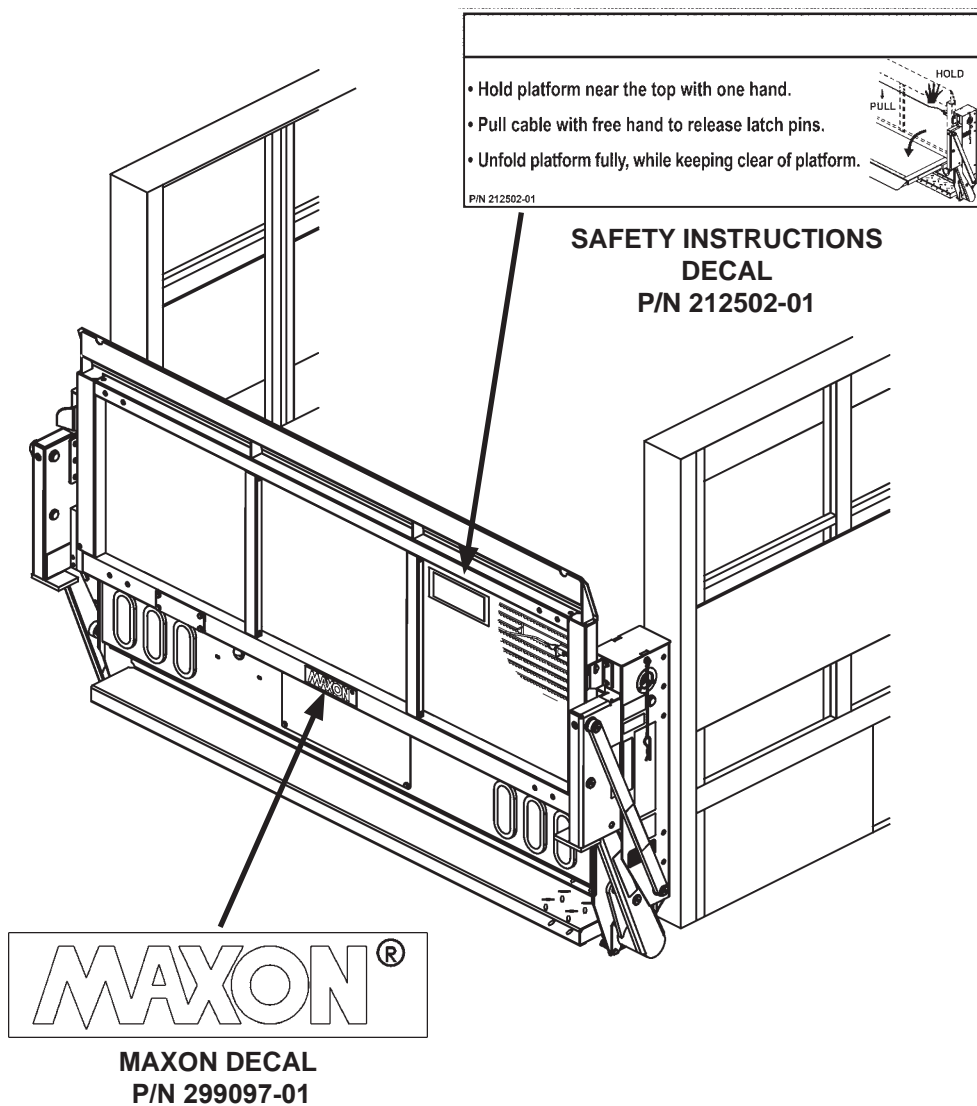
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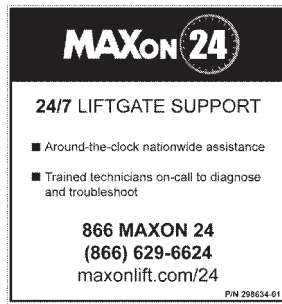
DECALS & PLATES

NOTE: Preferred decal layout is shown. Decals on the Liftgate are attached at the factory, except for the 24/7 SUPPORT decal. The 24/7 SUPPORT decal is placed at customer's or installer's preference.



**MLA LIFTGATE
FIG. 30-1**

DECALS & PLATES - Continued



**MAXON 24/7
SUPPORT DECAL
P/N 298634-01**

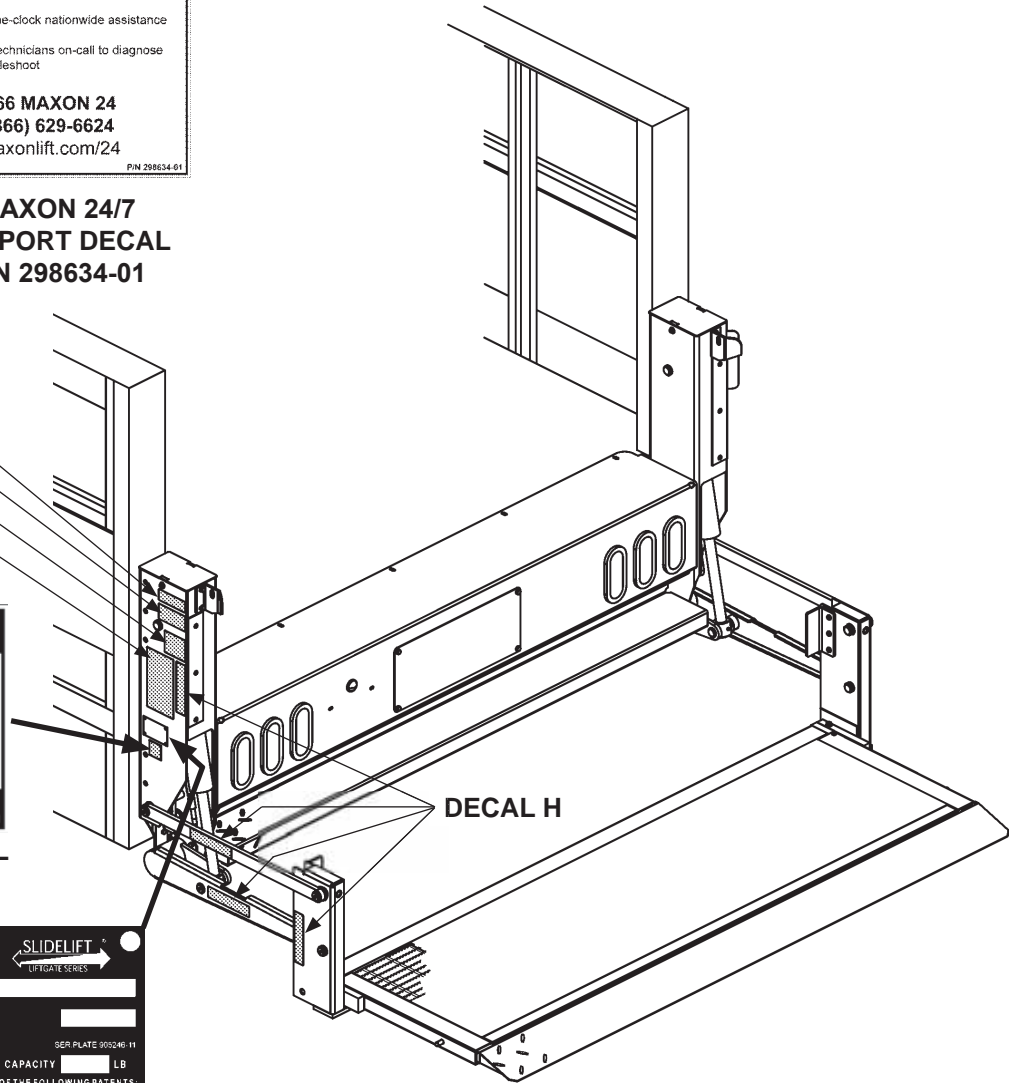
DECAL F
DECAL E
DECAL D
DECAL B



**QR PARTS DECAL
P/N 212431-01**



**SERIAL PLATE
(REF)**

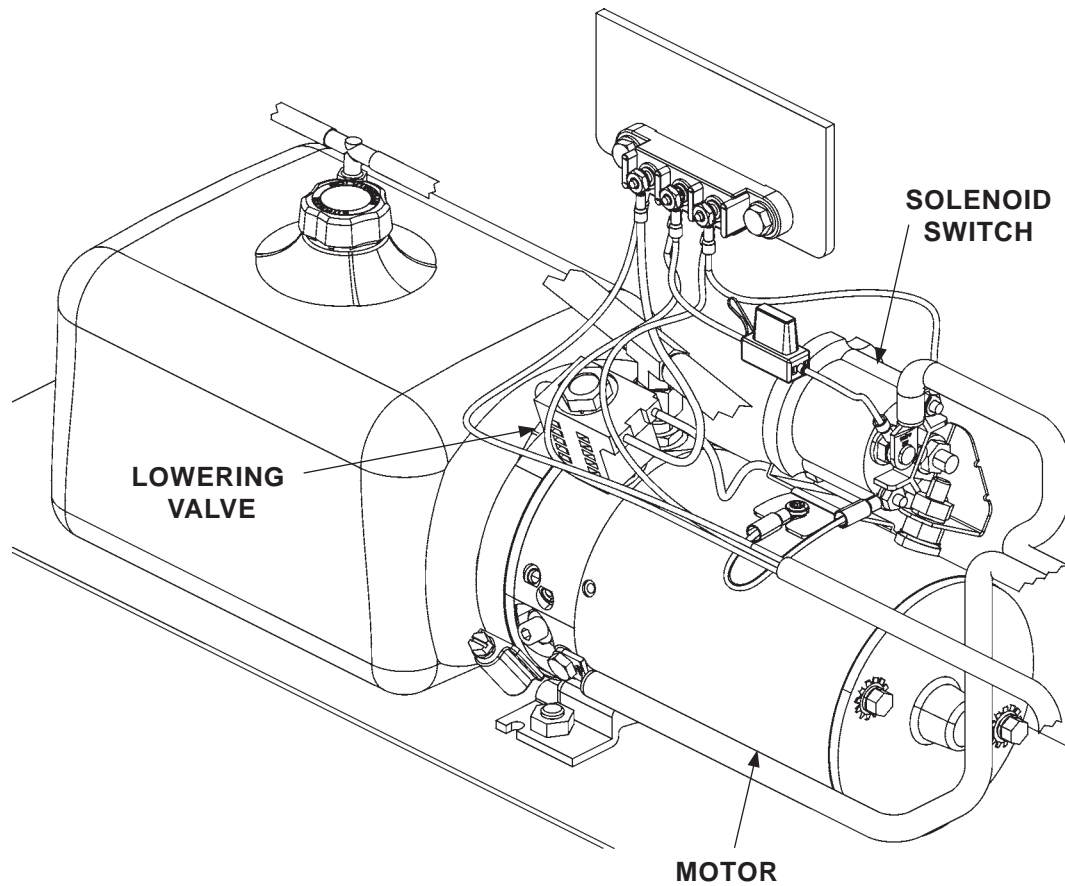


**MLA LIFTGATE (STREET SIDE)
FIG. 31-1**

NOTE: MAXON 24/7 LIFTGATE SUPPORT service is only available in the Continental U.S.

SYSTEM DIAGRAMS

PUMP MOTOR & VALVE OPERATION



POWER UNIT
FIG. 32-1

POWER UNIT MOTOR & VALVE OPERATION			
LIFTGATE FUNCTION	REMOTE VALVE OPERATION (✓ MEANS ENERGIZED)		
	MOTOR	LOWERING VALVE	SOLENOID SWITCH
RAISE	✓		
LOWER		✓	
REFER TO VALVES SHOWN ON HYDRAULIC SCHEMATIC			

TABLE 32-1

SYSTEM DIAGRAMS

ELECTRICAL & HYDRAULIC SCHEMATIC

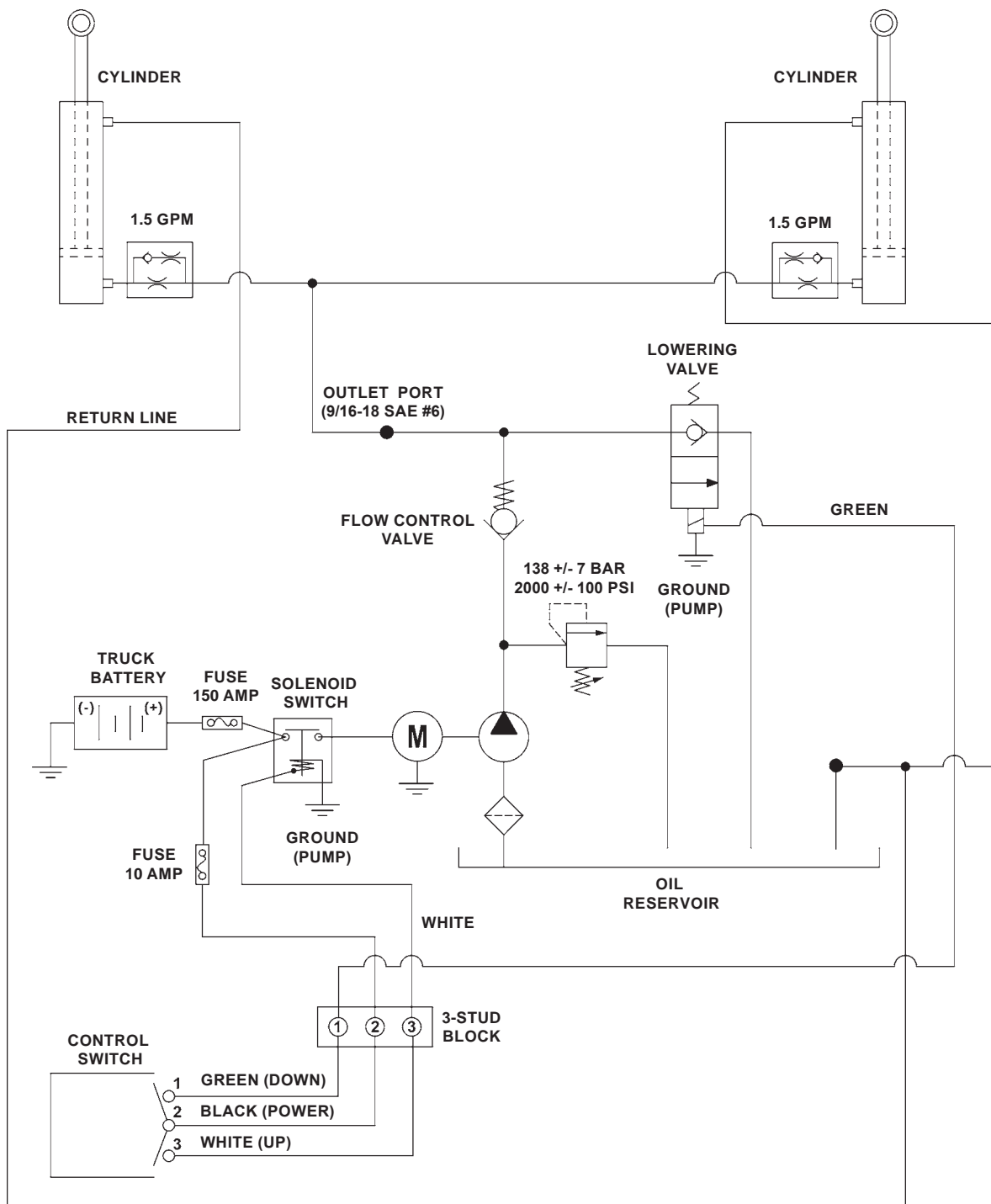


FIG. 33-1



PRE-DELIVERY INSPECTION FORM

Important! This pre-delivery checklist is to aid the installer in confirming the proper installation of this Maxon product. It is not a comprehensive list and does not replace the use of the installation manual. The installer is responsible for following all instructions in the installation manual.

Model: _____

Date: _____

Serial Number: _____

Technician: _____

Pre-Installation Inspection:

- ☐ Correct model
- ☐ Correct capacity
- ☐ Correct platform size
- ☐ Manuals & decals

Structural Inspection:

- ☐ Liftgate is centered on vehicle & mounted per dimensions in this manual.
- ☐ Pump box is mounted securely.
- ☐ All installation welds are done per instructions in this manual.
- ☐ All roll pins, bolts and fasteners on liftgate are tight.
- ☐ All hardware & fasteners, used to secure liftgate to vehicle body, are tight.
- ☐ Ensure ramp on flipover touches ground when runner is 1" above ground, and platform is level & touching the ground.

Hydraulic Inspection:

- ☐ Fluid is at correct level. (See **CHECKING HYDRAULIC FLUID** in this manual).
- ☐ No leaks from hydraulic fittings in pump box.
- ☐ No leaks in hydraulic line connections.

Electrical Inspection:

- ☐ Individual wire connections are tight.
- ☐ Circuit breaker (150A) installed by truck battery.
- ☐ Ensure batteries are fully charged, all cable connections are tight & tiedowns are tight.
- ☐ Solenoid wiring connections are tight.
- ☐ Wiring harness connections are tight.
- ☐ Electrical cable connections are tight & secured clear of moving parts & sharp edges.

Operation Inspection:

NOTE: The following times are for 54" bed height, aluminum platform, ISO 32 oil, & temperature at 79°F. Times are for reference only and may vary for larger platforms, smaller platforms, or temperature changes.

- ☐ Unloaded platform lowers in **12 seconds**.
- ☐ Unloaded platform raises in **12 seconds**.
- ☐ Unloaded platform raises and lowers evenly.
- ☐ Platform stows securely on latch pin.
- ☐ Decals in correct location and legible

Verify all lights are operational

- ☐ Taillights, stop lights, turn lights, and backup lights turn **ON** and **OFF** correctly.

