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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

#### **A** 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





# **GPT-SERIES INSTALLATION PARTS BAGS**

	NOMENCLATURE OR DESCRIPTION	QTY.	PART NUMBER
1	HEAT SHRINK TUBING, 3/4" X 1-1/2" LG.	1	253316-04
2	MOLDED SWITCH ASSEMBLY	1	264951-04
3	SHIM, 3-1/2" X 1-3/4" X 1/4"	2	264731
4	SHIM, 2-1/5" X 1" X 1/16"	2	264732
5	FLAT, 2-1/2" 1" X 1/8"	2	201999
6	FLAT, 5" X 4" X 3/8"	2	229295
7	COPPER LUG (2GA)	1	906497-02
8	SELF-TAPPING SCREW, 10-24 X 1" LG.	4	900057-5
9	CLAMP, #10 RUBBER LOOM	2	801681
10	FRAME CLIP, 1/2" X 1-3/8"	7	050079
	DECAL & MANUAL KIT	1	282661-01 (GPT-25) 282662-01 (GPT-3) 282671-01 (GPT-4) 282672-01 (GPT-5)
	A. OPERATION MANUAL	1	M-08-03
	B. INSTALLATION MANUAL	1	M-08-02
11	C. MAINTENANCE MANUAL	1	M-08-04
	D. WARRANTY CARD	1	M-78-78
	E. CUSTOMER SURVEY CARD	1	M-94-04
	F. DECALS	-	REFER TO DECAL PAGES IN THIS MANUAL
12	EYE, DROP FORGED PAD, 3/4" X 1-1/2"	1	226938
13	HOOK ASSEMBLY	1	227700
14	FUSED POWER CABLE, 175 AMP, 38' LG.	1	264422
15	RUBBER DOCK BUMPER KIT	1	203410
16	SADDLE, LOW PROFILE	2	281539-01
17	HEX BOLT, FRAME, 1/2" -13 X 2-1/4" LG, GRADE 8	4	901024-3
18	LOCK NUT, FLANGE, 1/2"- 13	4	901023
19	FLAT, 3/4" X 1" X 6" (SADDLE SUPPORT)	2	090300-12
20	PLASTIC TIE, 7" LG.	1	205780
21	DOCK BUMPER ANGLE, 23-1/2" LG.	2	226856
22	BRACE ANGLE, LH	1	266019-01
23	BRACE ANGLE, RH	1	266019-02

TABLE 6-1

# **VEHICLE REQUIREMENTS**

NOTE: BODY maximum and minimum operating bed height: For GPT-25, GPT-3, GPT-4, & GPT-5 with standard platform: Maximum height is 55" (Unloaded). Minimum height is 46" (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 (FIGS. 7-1 and 7-2) on vehicle to prevent interference between vehicle and Liftgate.











## **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.

**NOTE:** See the next page for interference areas that can result from rear sills over 4" in height.

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



#### **VEHICLE REQUIREMENTS - Continued**

**3.** If the rear sill is over 4" in height, measure and mark the areas to be modified on the sill as shown in **FIG. 9-1**. A side view of the interference areas is shown in **FIG. 9-2**.



SIDE VIEW - REAR SILL MORE THAN 4" IN HEIGHT FIG. 9-2

# **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 FIG. 10-1 and FIG. 10-2.



FIG. 10-2

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

2. Place 2 temporary support straps (5" x 4" x 3/8" 1/4" LG. TACK, SUPPORT flats from parts bag) on the extension plate as STRAP TO EXTENSION 1/4" shown in FIG. 11-1A. Also, put 2 temporary PLATE (1 WELD ONLY), **SPACER & SUPPORT** spacers (2" x 1" x 1/8" flats from parts bag) be-**STRAP TO EXTENSION** tween platform and extension plate as shown in PLATE (1 WELD ONLY) 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). 1/2" (APPROX TYP. SPACER **OVERHANG**) 1" (APPROX. - TYP. **STRAP OVERHANG**) 1/8" SPACER 17-1/2" **STRAP & SPACER WELDS** (TYPICAL - BOTH ENDS OF **EXTENSION PLATE) EXTENSION** FIG. 11-1B PLATE SUPPORT **STRAPS** FIG. 11-1A

#### **STEP 2 - WELD LIFTGATE TO VEHICLE**

1. Remove split looms from mounting plates (FIG. 12-1). (Split looms will be reinstalled later after final welding.)
MOUNTING PLATES
Image: Plate state state

FIG. 12-1

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



FIG. 12-2

#### **STEP 2 - WELD LIFTGATE TO VEHICLE - Continued**

# **A**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.



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#### **STEP 2 - WELD LIFTGATE TO VEHICLE - Continued**

#### A 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 Lift-gate stays centered on vehicle. Reposition the mounting plate against vehicle frame. Tack weld as shown in FIG. 14-1. Repeat for second mounting plate (reposition and tack weld).



#### **STEP 2 - WELD LIFTGATE TO VEHICLE - Continued**



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

# 

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 to prevent damage to 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.

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FIG. 16-1

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

1. Unbolt and remove pump cover (FIG. 17-1).



2. 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. 17-2A). Measure (if needed), and then cut excess cable from bare wire end of cable. Put heatshrink tubing (parts bag item) (FIG. 17-2B) on the end of the cable and leave room for terminal lug. Crimp copper terminal lug (parts bag item) on the fused power cable and shrink the heatshrink tubing (FIG. 17-2C).



#### **STEP 4 - CONNECT POWER CABLE - Continued**

#### CAUTION

Do not over-tighten the terminal nuts on starter solenoid. For the load terminals, torque nuts to 40 lbs.-in. max. Torque the nuts on #10-32 control terminals 15-20 lbs.-in.

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

**NOTE:** Do not remove flat washer from the battery power terminal.

 Remove hex nut and lock washer from battery power terminal on the starter solenoid. Connect the fused power cable to the starter solenoid as shown in FIG. 18-1. Reinstall and tighten lock washer and hex nut.



FIG. 18-1

#### **STEP 5 - INSTALL CONTROL SWITCH**



FIG. 19-2

#### **STEP 5 - INSTALL CONTROL SWITCH - Continued**

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

**3.** Run wiring harness under vehicle body (see dashed line - FIG. 20-1) and up through inside of vertical post. Pull control switch wiring harness out the 3/4" hole drilled in vertical post (FIG. 20-1). Connect the control switch wiring to the wiring harness as shown in FIG. 20-2. Push extended wiring back into the 3/4" hole in the vertical post until control switch touches the post. Attach control switch to vertical post with 2 self-tapping screws (FIG. 20-2).



ROUTING CONTROL SWITCH WIRING FIG. 20-1



CONTROL SWITCH WIRING CONNECTIONS FIG. 20-2

#### **STEP 5 - INSTALL CONTROL SWITCH - Continued**

#### CAUTION

Pump cover must be correctly secured to prevent it from becoming a hazard. To secure pump cover, the long side of the holder flats must butt against pump cover as shown in the illustration.

 Bolt on the pump cover as shown in FIG. 21-1. Torque the 5/16"-18 cover bolts from 10 to 14 lbs.-ft.



# **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. 22-1). Reinstall and tighten nut.



FIG. 22-1

# **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.

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NOXA

**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. 23-1A).
- 3. With platform open (FIG. 23-1A), unbolt each knuckle as shown in FIG. 23-1B.



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#### **STEP 8 - WELD PLATFORM OPENER TO LIFTGATE**

1. Remove floor jack and hoist supporting Liftgate (FIG. 24-1).



2. Lower the platform to the ground. Remove both support straps and both spacers from extension plate (FIG. 24-2).

3. Fold flipover (FIG. 24-3).



FOLDING FLIPOVER FIG. 24-3

#### STEP 8 - WELD PLATFORM OPENER TO LIFTGATE - Continued

**NOTE:** Platform opener may only be installed on center of main frame (see the illustrations on this page).

- 4. Position the opener on main frame as shown in FIG. 25-1.

   OPENER
   OPENER

   Image: Comparison of the opener of the opener opene
- **5.** Fold the platform against opener (**FIG. 25-2A**). Make sure opener is entered on protective plate as shown in **FIG. 25-2B**. Reposition the opener if necessary. Clamp opener to main frame.



#### STEP 8 - WELD PLATFORM OPENER TO LIFTGATE - Continued

#### 

If there is any interference with the platform while stowing Liftgate, check for damage on bottom of platform, flipover, and the hinge in between. A damaged platform or flipover may result in personal injury and additional damage to Liftgate. (800) 227-4116 FAX (888) 771-7713

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#### STEP 8 - WELD PLATFORM OPENER TO LIFTGATE - Continued

7. If the platform lowers with a "jerking" motion, bleed air from the hydraulic system by doing the following. Push the control switch to the **DOWN** position until you hear air escaping into the hydraulic fluid reservoir. Raise the platform. Repeat this step until there is no air left in the system and platform lowers smoothly.

## **STEP 9 - FINISH WELDING LIFTGATE TO VEHICLE**



#### **STEP 10 - INSTALL & ADJUST SADDLES**

# 

Make sure mounting plates have cooled before installing saddles. Hot surface can result in personal injury and damaged saddles.

1. Stow the platform as shown in MOUNTING FIG. 29-1A. Use floor jack PLATE positioned at center of platform (near hinge) to raise platform 1/8" above roller (FIG. 29-1B). Install saddle, bolts and lock nuts on RH side mounting plate (FIG. 29-1A). Repeat for saddle on LH side. Butt each saddle against platform, and tighten lock nuts. HINGE Ö) SADDLE BOLTS & 2. Install saddle, bolts and lock nuts LOCK NUTS on RH side mounting plate (FIG. **STOWED LIFTGATE - SIDE VIEW** 29-1A). Repeat for saddle on (RH SIDE SHOWN) LH side. Butt each saddle against FIG. 29-1A platform, and tighten lock nuts. ROLLER LIFTING FRAME BRACKET PLATFORM 1/8" GAP **GAP BETWEEN PLATFORM & ROLLER** FIG. 29-1B

# **STEP 11 - WELD ON SADDLE SUPPORTS**

#### 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.

 Position a support plate (parts bag item) against the bottom of the first saddle and weld as shown in FIG. 30-1. Repeat this step for the second saddle on LH side of Liftgate.



TACK WELDING SUPPORT PLATE TO MOUNTING PLATE (RH SIDE SHOWN) FIG. 30-1

- 2. Lower the floor jack. Move floor jack out of the way so it will not interfere with Liftgate or vehicle.
- **3.** Lower platform to the ground. Unfold platform and flipover (**FIG. 30-2**).



PLATFORM & FLIPOVER UNFOLDED AT GROUND LEVEL FIG. 30-2 90670 (800) 227-4116 FAX (888) 771-7713

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#### STEP 11 - WELD ON SADDLE SUPPORTS - Continued



## **STEP 12 - ADJUST PLATFORM (IF REQUIRED)**

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

- With the platform and flipover unfolded, raise platform to bed level (FIG. 32-1). Measure how much the outboard edge of platform rises above bed level (FIG. 32-1). The outboard edge must be level or a maximum of 1" above bed level (FIG. 32-1). 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 1", do instructions 4 through 6.
- Compare measurement "A" (FIG. 32-2) with the distances and shims in TABLE 32-1. For example: If measurement "A" (FIG. 32-2) is 1" below level and you want to raise outboard edge of platform 1" above level, use 1/8" shim to raise 2" (TABLE 32-1).

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"



3. Weld shims (parts bag item) on both platform stops (FIG. 32-3) to raise outboard edge of platform to correct position.



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#### **STEP 12 - ADJUST PLATFORM - Continued**

 Compare measurement "B" (FIG. 33-1) with distances and grinding depths in TABLE 33-1. For example: If measurement "B" (FIG. 33-1) 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 33-1).

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

**TABLE 33-1** 

 Grind metal from platform stops (FIG. 33-2) to lower outboard edge of platform to correct position.



PLATFORM EDGE ABOVE BED LEVEL FIG. 33-3

 Lower the platform, then raise it to bed level. The outboard edge of platform should be level or up to 1" maximum above bed level (FIG. 33-3).



LEVEL LINE

# **STEP 13 - 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 35-1 & 35-2 for recommended brands.

- 1. Unbolt and remove pump cover (FIG. 34-1).
- Check the hydraulic fluid level in reservoir as follows. With Liftgate stowed, or platform at vehicle bed height, level should be as shown in FIG. 34-2.

If needed, add fluid to the reservoir as follows. Pull out (no threads) filler cap (FIG. 34-2). Fill the reservoir with hydraulic fluid until reservoir looks about half full (FIG. 34-2). Reinstall filler cap (FIG. 34-2).



POWER UNIT FLUID LEVEL FIG. 34-2

#### CAUTION

Pump cover must be correctly secured to prevent it from becoming a hazard. To secure pump cover, the long side of the holder flats must butt against pump cover as shown in the illustration.

 Bolt on the pump cover as shown in FIG. 34-1. Torque the 5/16"-18 cover bolts from 10 to 14 lbs.-ft.

## **STEP 13 - CHECKING HYDRAULIC FLUID - Continued**

ISO 32 HYDRAULIC OIL			
RECOMMENDED BRANDS PART NUMBER			
AMSOIL	AWH-05		
CHEVRON	HIPERSYN 32		
KENDALL	GOLDEN MV		
SHELL	TELLUS S2 V32		
EXXON	UNIVIS N-32		
MOBIL	DTE-13M, DTE-24, HYDRAULIC OIL-13		

**TABLE 35-1** 

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 S2 V15		
EXXON	UNIVIS HVI-13		
MOBIL	DTE-11M		
ROSEMEAD	THS FLUID 17111		

**TABLE 35-2** 

#### **STEP 14 - WELD HOOK AND EYE 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.



2. Weld the pad eye (from installation parts bag) to knuckle as shown in **FIG. 36-1**.

 Insert the safety hook through the pad eye (FIG. 36-1). Next, position the safety hook chain on the extension plate as shown in FIG. 36-1. Leave enough slack in the chain to hook and unhook the pad eye. Weld the free end of chain to the inboard side of the tubing on extension plate.

### **STEP 15 - 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).
- Clamp a dock bumper to left hand (LH) side of extension plate as shown in FIG. 37-1A. Weld the dock bumper to extension plate as shown in FIG. 37-1B. 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.



#### STEP 15 - WELD DOCK BUMPERS TO LIFTGATE -Continued

- Clamp open end of brace to dock bumper as shown in FIG. 38-1A. Clamp closed end of brace to main frame (FIG. 38-1A). Weld the brace to dock bumper (FIG. 38-1A) and main frame (FIG. 38-1B). 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 16 - 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. 39-1).



## STEP 17 - 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. Underride is optional equipment.



# ATTACH DECALS



FIG. 41-1

## **ATTACH DECALS - Continued**



DECAL SHEET FIG. 42-1

MODEL	DECAL SHEET P/N	DECAL "B"
GPT-25	268308-01	2500 POUNDS
GPT-3	268308-02	3000 POUNDS
GPT-4	268308-03	4000 POUNDS
GPT-5	268308-04	5000 POUNDS

DECAL SHEET TABLE 42-1

# **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.

#### SYSTEM DIAGRAMS PUMP & MOTOR SOLENOID OPERATION



POWER UNIT FIG. 44-1

POWER UNIT MOTOR & SOLENOID OPERATION				
LIFTGATE	PORT	SOLENOID OPERATION (✓ MEANS ENERGIZED)		
FUNCTION		MOTOR	VALVE "A"	VALVE "E"
RAISE	A	$\checkmark$	-	$\checkmark$
LOWER	В		$\checkmark$	-
REFER TO VALVES SHOWN ON HYDRAULIC SCHEMATIC				

**TABLE 44-1** 

#### HYDRAULIC SCHEMATIC (POWER DOWN)



FIG. 45-1

#### **ELECTRICAL SCHEMATIC (POWER DOWN)**





#### OPTIONS OPTIONAL LIFTGATE COMPONENTS

	250477
	267494-01
FRAMELESS TRAILER SUBFRAME MOUNTING KIT	280010
	263552
	203332
	267/01-01
	207491-01
	201940-01
	202372-01
	220068
CONTROL STATION, POWER UP & DOWN (120 LG)	229068
CONTROL STATION, POWER UP & DOWN (144 LG)	229068-01
CONTROL STATION, POWER UP & DOWN, COILED CORD (20 LG)	229068-102
HAND HELD CONTROL, POWER DOWN	263260-04
STREET SIDE CONTROL, 4-WIRE MOLDED SWITCH	265378
DUAL SWITCH CONTROL, 4-WIRE MOLDED SWITCH	265380
BUMPER/UNDERRIDE KITS	
UNDERRIDE (GPT-4 & GPT-5 ONLY)	266043-01
UNDERRIDE (GPT-25 & GPT-3 ONLY)	266042-01
LIFTGATE BUMPER (ALL GPT MODELS)	265860-01
2 STEP DOCK BUMPER	
DOCK BUMPER, 2-STEP	266220-01
BATTERY BOX KITS	
TRUCK BATTERY BOX WITHOUT BATTERY (FOR 6V BATTERY)	251154-03
TRUCK BATTERY BOX WITHOUT BATTERY (FOR 12V BATTERY)	251154-05
TRAILER CHARGE LINE KITS	
TRAILER, SINGLE POLE CHARGE LINE	280275-01
TRAILER, DUAL POLE CHARGE LINE	280275-02
TRAILER, SINGLE & DUAL POLE CHARGE LINE	280275-06
TRAIL CHARGER	267370-01
HIGH PERFORMANCE CHARGER	267850-01
TRACTOR CHARGE LINE KIT	
TRACTOR SINGLE POLE CHARGE LINE	280275-03
TRACTOR DUAL POLE CHARGE LINE	280275-04
TRACTOR CHARGE LINE WITH ADAPTER	280275-05
EXTENSION KIT	
30' EXTENSION, SAE, POWER DOWN	266389-01
BATTERY	
BATTERY, 12V HD (SEALED, MAINTENANCE FREE. GROUP SZ 31)	267318-01
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CYCLE COUNTER KIT	
CYCLE COUNTER, GPT	280590-02

#### 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.



#### **RECOMMENDED LIFTGATE POWER CONFIGURATION - Continued**

