

M-91-17
REV. D
DECEMBER 2010

INSTALLATION MANUAL

RAILGATE **LIFT GATE SERIES**

RCM-1250 C
RCM-1250 C AB
RCM-1600
RCM-1600 C AB

MAXON[®]
LIFT CORP.

11921 Slauson Avenue
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Comply with the following **WARNINGS** and **SAFETY INSTRUCTIONS** while installing Liftgates. See **Operation Manual** for operating safety requirements.

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 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 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.

RCM-1250 C INSTALLATION PARTS BOX

ITEM	NOMENCLATURE OR DESCRIPTION	QTY	PART NUMBER
REF	PARTS BOX, RCM-1250C	1	251813-01
1	FRAME CLIP, 1/2" X 1-3/8"	7	050079
2	TAPPING SCREW, #10 x 1/2" LG.	4	030458
3	FUSED POWER CABLE, 175 AMP, 38' LG.	1	264422
4	JIFFY CLAMP, #130	1	125674
5	BUTT CONNECTOR, 14AWG	1	030491
6	FLAT WASHER, 3/8"	2	030556
7	BRASS ELBOW, 1/4" X 1" LG.	1	202406
8	LOOM CLAMP, #8 RUBBER	3	214663
9	ELBOW, 3/8" FEM-3/8" FEM	1	228950
10	PUMP BOX KIT (RCM)	1	251738-02
	A. PUMP BOX ASSY	1	251741
	B. PUMP BOX BRACKET	1	251817
	C. ANGLE, 2-1/2" X 2-1/2"	1	251815
	D. BOLT, 3/8"-16 X 1-1/4" LG.	2	030074
	E. HEX NUT, 3/8"-16	2	030348
	F. FLAT WASHER, 3/8"	2	030556
	G. LOCK WASHER, 3/8"	2	030555
11	ANGLE, 2-1/2" X 2-1/2"	1	251815
12	BRACKET, PUMP MOUNT	1	251816
13	INSTALLATION MANUAL	1	M-91-17
14	OPERATION MANUAL	1	M-91-19
15	MAINTENANCE MANUAL	1	M-91-18
16	INSTRUCTIONS, FUSED POWER CABLE	1	M-00-14
17	DECAL, 1250 LB CAPACITY	1	226006
18	DECAL, UP & DOWN	1	250993
19	DECAL, OPER INSTRUCTION	1	252899
20	DECAL, WARNING	1	264081
21	DECAL, STAND CLEAR	1	050092
22	HEATSHRINK TUBING, 3/4" X 1-1/2" LG.	1	253316-04
23	SEALANT (FOR THREADED HYDRAULIC FITTINGS)	1	260798-02
24	BUSHING, 3/8" X 1/4" LG.	1	800183
25	HEX CAP SCREW, 3/8"-16 X 1" LG, GRADE 8	2	900014-4
26	LOCK WASHER, 3/8"	2	902011-4
27	COPPER LUG, 2GA (5/16" I.D. RING)	1	906497-02

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RCM-1600 C INSTALLATION PARTS BOX

ITEM	NOMENCLATURE OR DESCRIPTION	QTY	PART NUMBER
REF	PARTS BOX, RCM-16C	1	251814-01
1	FRAME CLIP, 1/2" X 1-3/8"	7	050079
2	TAPPING SCREW, #10 x 1/2" LG.	4	030458
3	FUSED POWER CABLE, 175 AMP, 38' LG.	1	264422
4	JIFFY CLAMP, #130	1	125674
5	BUTT CONNECTOR, 14AWG	1	030491
6	FLAT WASHER, 3/8"	2	030556
7	BRASS ELBOW, 1/4" X 1" LG.	1	202406
8	LOOM CLAMP, #8 RUBBER	3	214663
9	ELBOW, 3/8" FEM-3/8" FEM	1	228950
10	PUMP BOX KIT (RCM)	1	251738-02
	A. PUMP BOX ASSY	1	251741
	B. PUMP BOX BRACKET	1	251817
	C. ANGLE, 2-1/2" X 2-1/2"	1	251815
	D. BOLT, 3/8"-16 X 1-1/4" LG.	2	030074
	E. HEX NUT, 3/8"-16	2	030348
	F. FLAT WASHER, 3/8"	2	030556
	G. LOCK WASHER, 3/8"	2	030555
11	ANGLE, 2-1/2" X 2-1/2"	1	251815
12	BRACKET, PUMP MOUNT	1	251816
13	INSTALLATION MANUAL	1	M-91-17
14	OPERATION MANUAL	1	M-91-19
15	MAINTENANCE MANUAL	1	M-91-18
16	INSTRUCTIONS, FUSED POWER CABLE	1	M-00-14
17	DECAL, 1600 LB CAPACITY	1	224751
18	DECAL, UP & DOWN	1	250993
19	DECAL, OPER INSTRUCTION	1	252899
20	DECAL, WARNING	1	264081
21	HEATSHRINK TUBING, 3/4" X 1-1/2" LG.	1	253316-04
22	SEALANT (FOR THREADED HYDRAULIC FITTINGS)	1	260798-02
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25	LOCK WASHER, 3/8"	2	902011-4
26	COPPER LUG, 2GA (5/16" I.D. RING)	1	906497-02
27	COPPER LUG, 2GA (3/8" I.D. RING)	2	226778

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PREPARING VEHICLE BODY

WARNING

THIS UNIT CANNOT BE USED WITH SWING TYPE DOORS.
DO NOT REMOVE BANDING FROM SHIPPING PALLET OR
ATTEMPT TO MOVE THE PLATFORM.

UNTIL

1. THE UNIT IS WELDED TO THE VEHICLE.
2. THE PUMP INSTALLATION IS COMPLETE AND MOTOR WIRING CABLE INSTALLATION THRU TO VEHICLE BATTERY IS COMPLETE AND PUMP IS FILLED WITH OIL AND OPERATING.

SPECIAL NOTE. BODIES WITH ALUMINUM CORNER POSTS.

THE ALUMINUM CORNER POSTS MUST BE RE-INFORCED
BEFORE INSTALLING UNIT.

IMPORTANT NOTE FOR ABA UNITS: SEE PAGE 18 FOR PLATFORM TRAVEL (CHAIN) ADJUSTMENT.

This unit MUST be installed as described in this INSTALLATION MANUAL. If any deviation is deemed necessary by the installer, written permission MUST FIRST BE OBTAINED FROM THE MANUFACTURER.

Any change in the installation method WITHOUT written permission of the manufacturer WILL VOID ANY WARRANTY ISSUED WITH THIS UNIT.

PLEASE read thru this INSTALLATION MANUAL BEFORE commencing the installation of this unit.

The methods of hoisting or supporting the unit during installation are those found in most shops.

If any other method of hoisting or supporting is used, precautions MUST be taken to ensure the support is adequate and does not endanger the personnel working on the installation of this unit.

REAR LIGHTS. In many cases the rear lights will need to be relocated. Relocate your rear lights to satisfy your local codes and Federal Vehicle Safety Standard 108.

PREPARING VEHICLE BODY - Continued

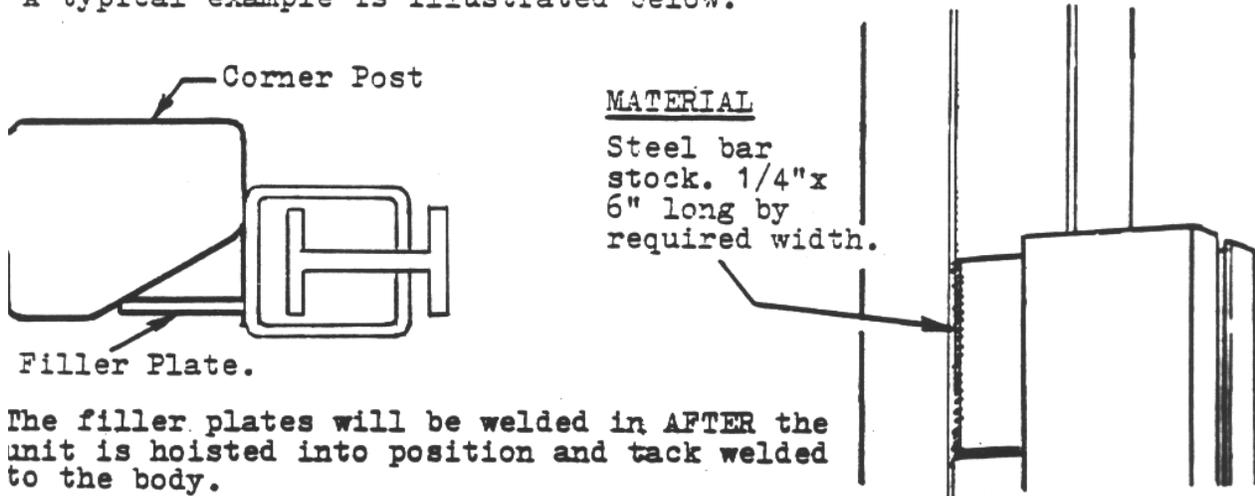
PREPARATION OF BODY BEFORE INSTALLATION OF UNIT.

The ideal installation is when the rear of the column assemblies are touching the body corner posts, and the rear of the main frame is touching the sill. On some body configurations this is not possible, therefore the following examples must be taken into consideration BEFORE hoisting the unit up to the body.

VEHICLES WITH ALUMINUM FRAMES. These bodies are covered on Pages 8,9 and 10. The steel mounting channels will need to be fabricated and installed to the corner posts BEFORE the unit is hoisted up to the body.

FLAT BED VEHICLES. This installation is covered on Page 7. The bracing channels for this installation cannot be cut until the unit is hoisted up to the bed.

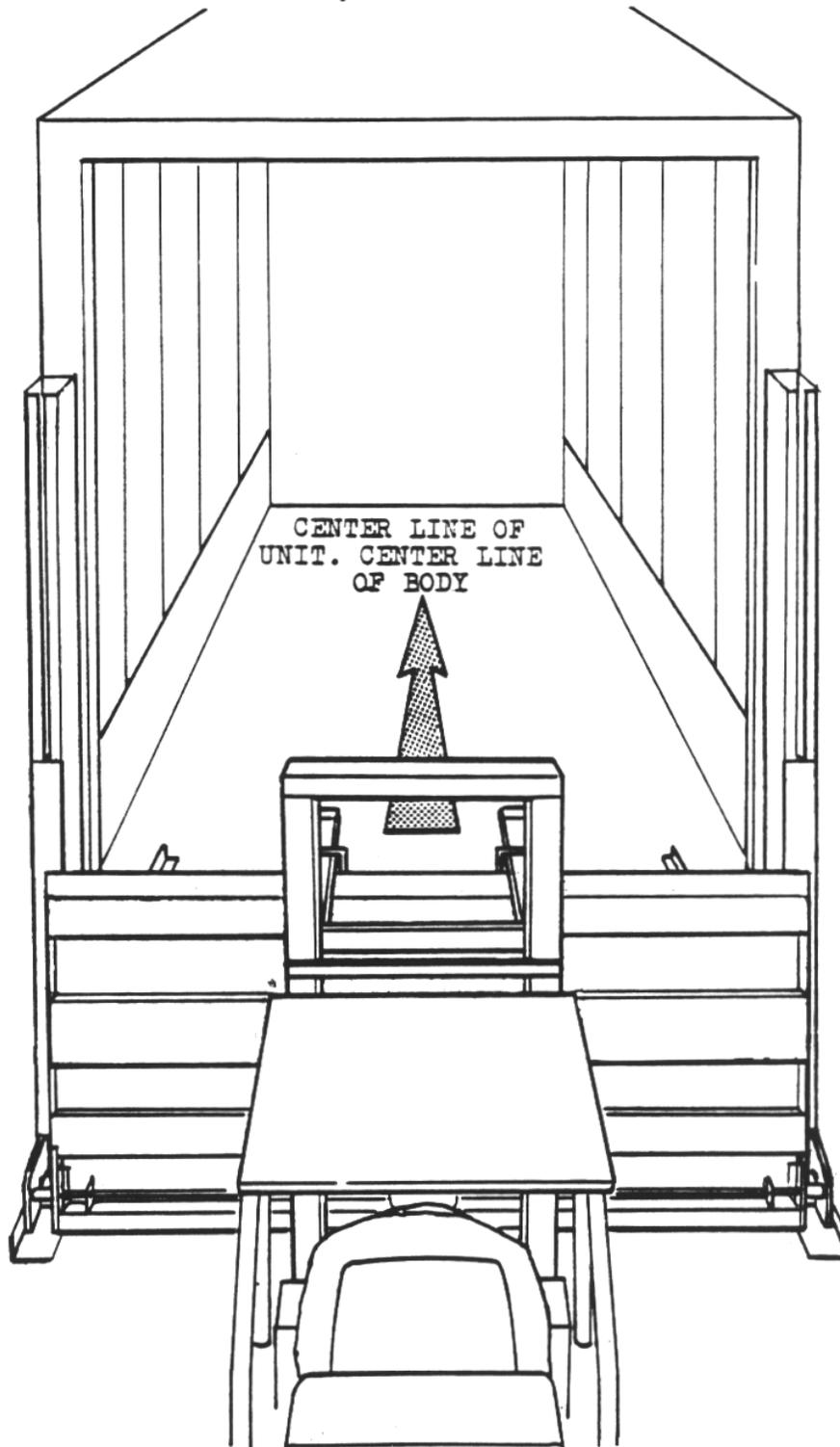
CORNER POST CONFIGURATIONS. In cases where the corner post is not square or rectangular, a filler will need to be fabricated to fill the space between the corner post and the unit column assemblies. A typical example is illustrated below.



The filler plates will be welded in AFTER the unit is hoisted into position and tack welded to the body.

POSITIONING LIFTGATE

The center line of the unit must be in line with the center line of the body rear door opening. The columns and main frame assembly must be touching the corner posts and sill. The temporary support angles will be resting on the floor and the top surface of the main frame should be flush and level with the body floor.



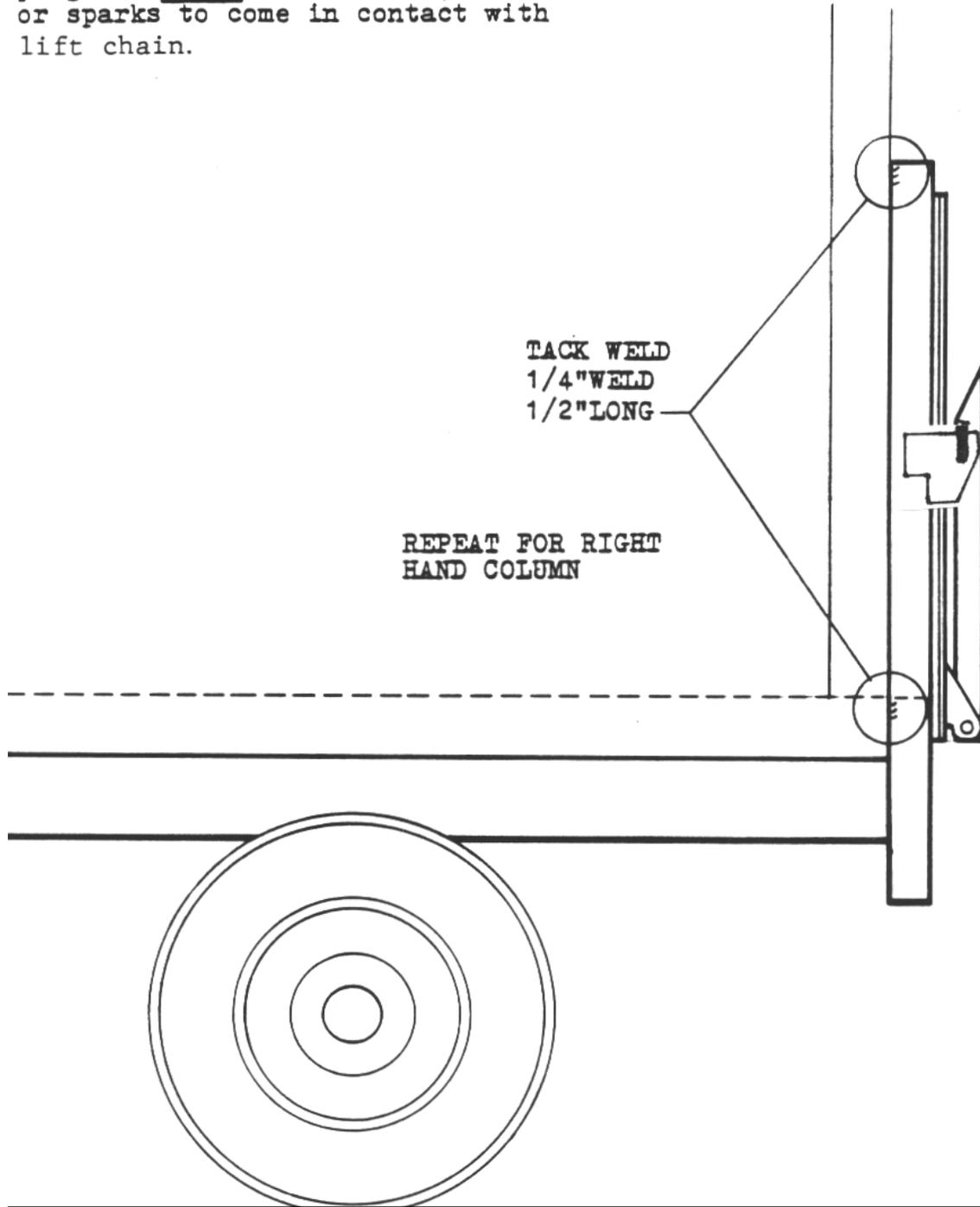
WELDING LIFTGATE TO VEHICLE

WELDING PROCEDURE. If a fork lift was used to hoist the unit and the fork lift is required for other work, the column assemblies must be tack welded to the vehicle corner posts before dis-engaging the fork lift. Tack weld in the areas shown on both columns. SEE PAGE 5.

If an overhead chain hoist was used it should remain hooked to the unit until the welding procedure is completed. If the hoist needs to be removed before welding, tack weld as shown before removing hoist.

IMPORTANT WARNING!

When welding operations are in progress **NEVER** allow flame, heat or sparks to come in contact with lift chain.



WELDING LIFTGATE TO VEHICLE - Continued

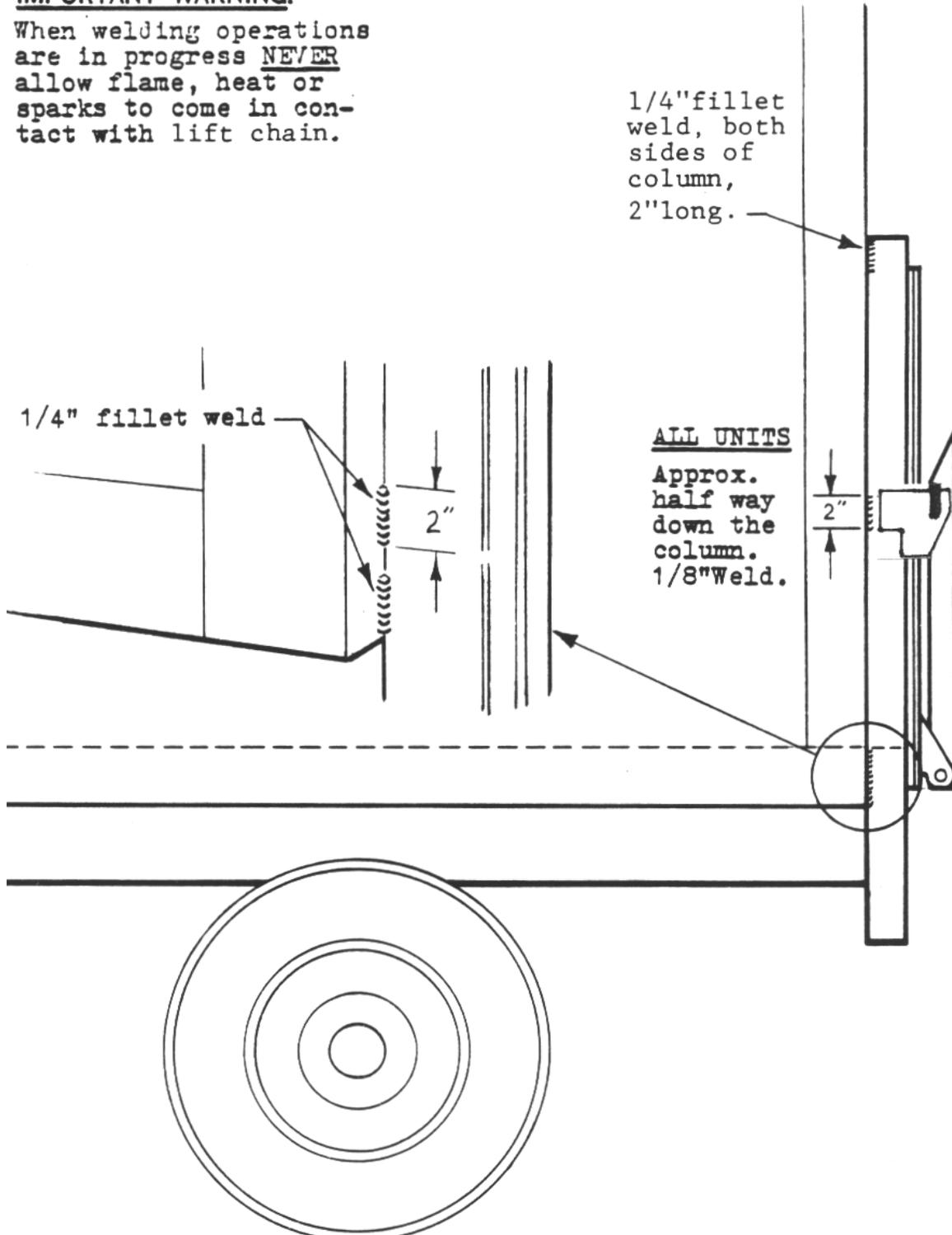
WELDING PROCEDURE. STANDARD STEEL FRAME.

Right hand and left hand column assemblies are welded to right and left hand corner posts.

Welds shall be 1/4" fillet welds spaced as shown. (Except where noted)

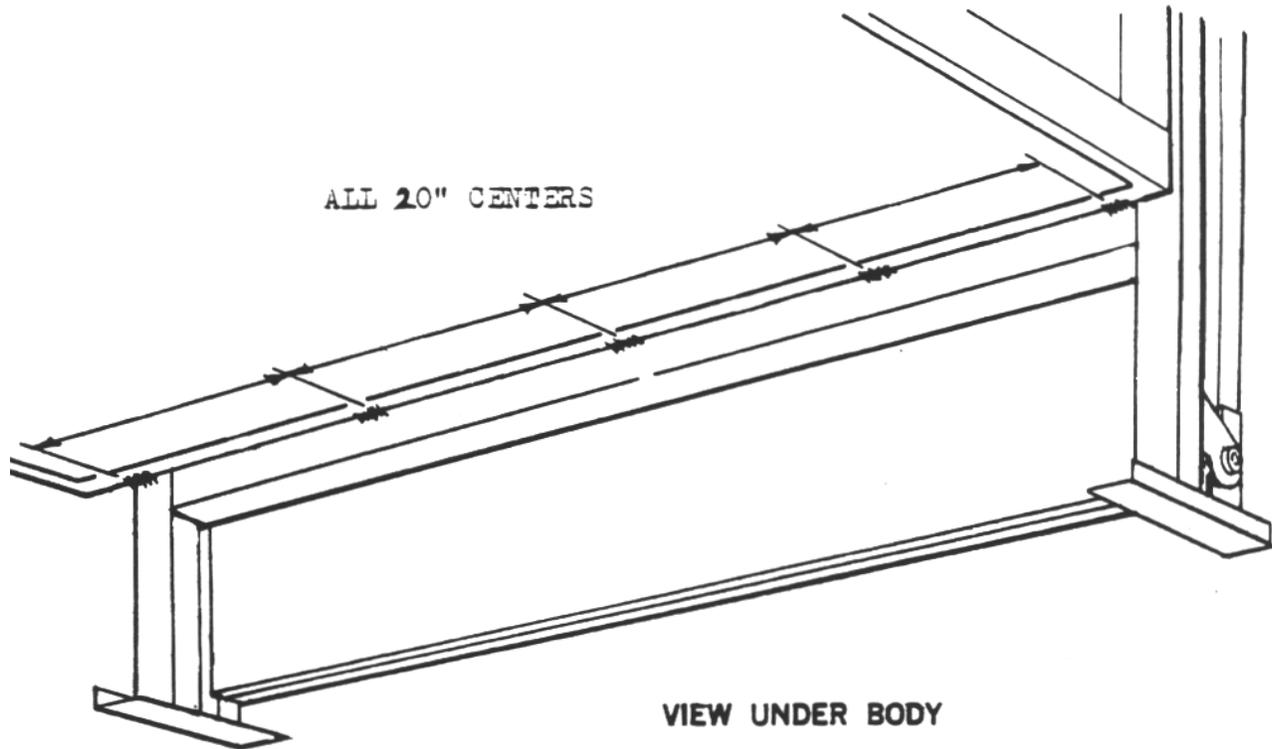
IMPORTANT WARNING!

When welding operations are in progress NEVER allow flame, heat or sparks to come in contact with lift chain.



WELDING LIFTGATE TO VEHICLE - Continued

Weld rear of main frame to sill. 1/8" fillet welds. 1" long. 20" centers.



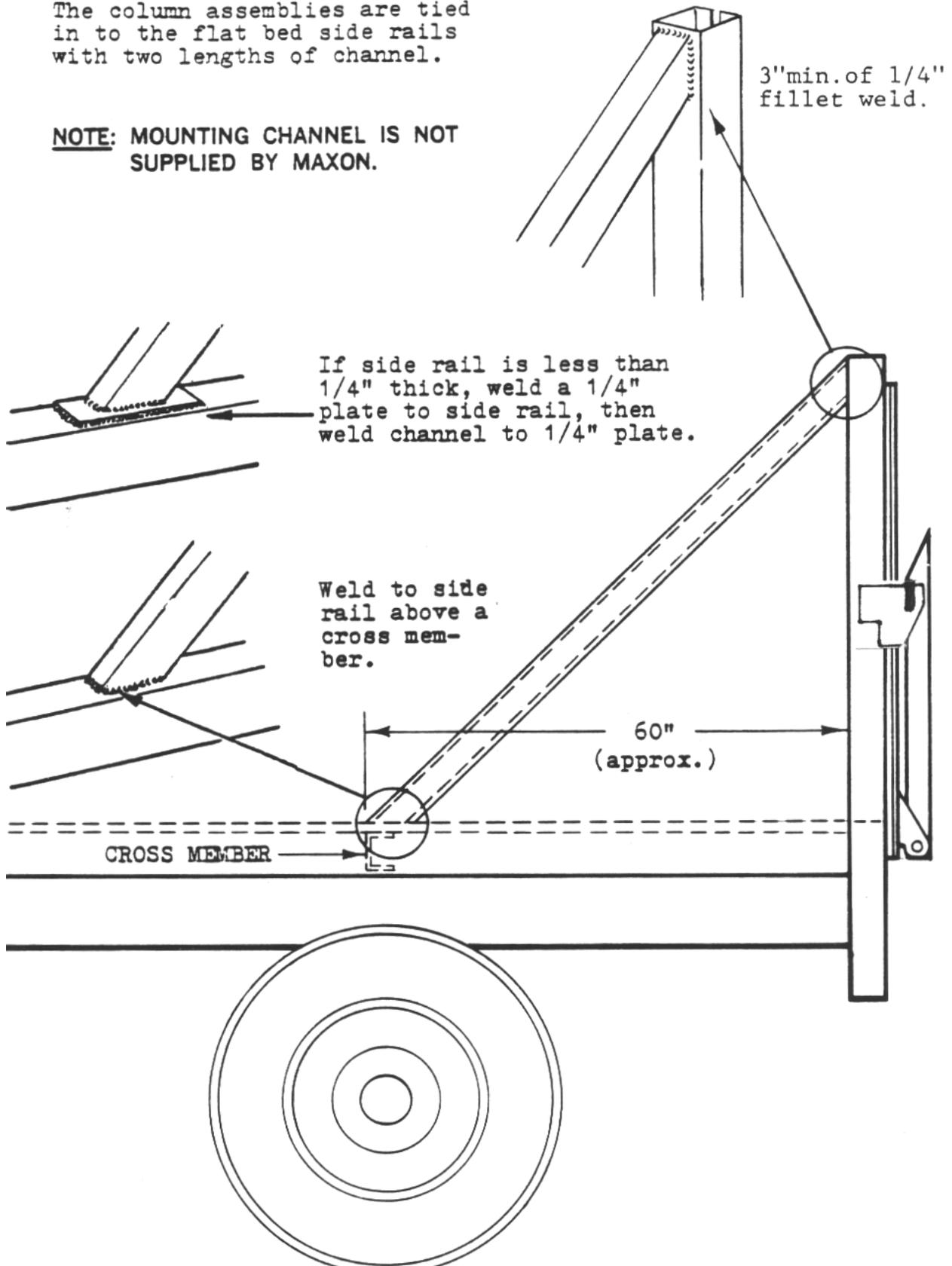
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WELDING LIFTGATE TO VEHICLE - Continued

WELDING PROCEDURE. FLAT BED VEHICLE.

The column assemblies are tied in to the flat bed side rails with two lengths of channel.

NOTE: MOUNTING CHANNEL IS NOT SUPPLIED BY MAXON.



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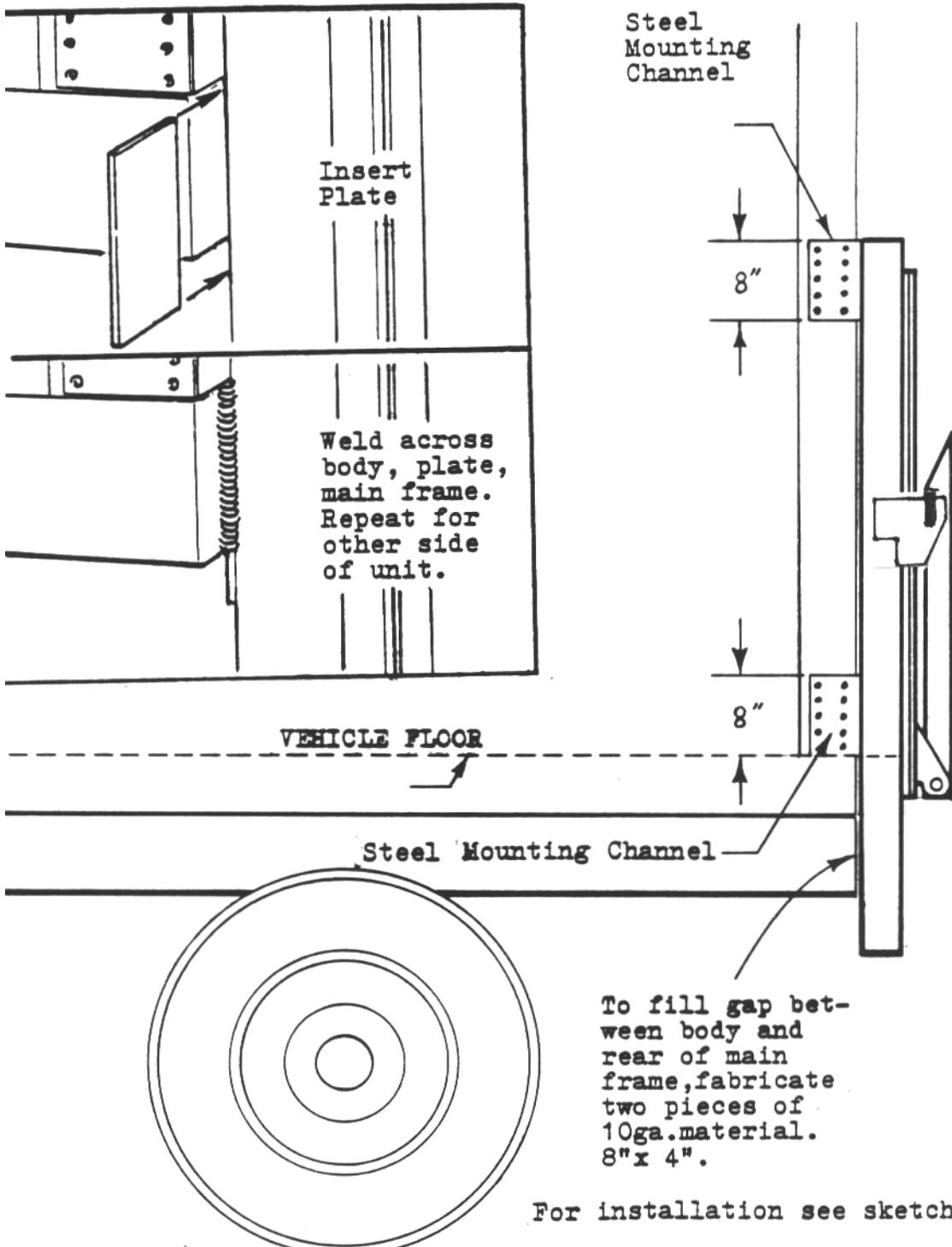
WELDING LIFTGATE TO VEHICLE - Continued

WELDING PROCEDURE. ALUMINUM FRAME VEHICLES.

Four steel mounting channels will need to be fabricated BEFORE hoisting unit up to vehicle. The mounting channels will be riveted to the aluminum frame BEFORE installing the unit. The required mounting dimensions are given below.

For details of installation, see next two pages.

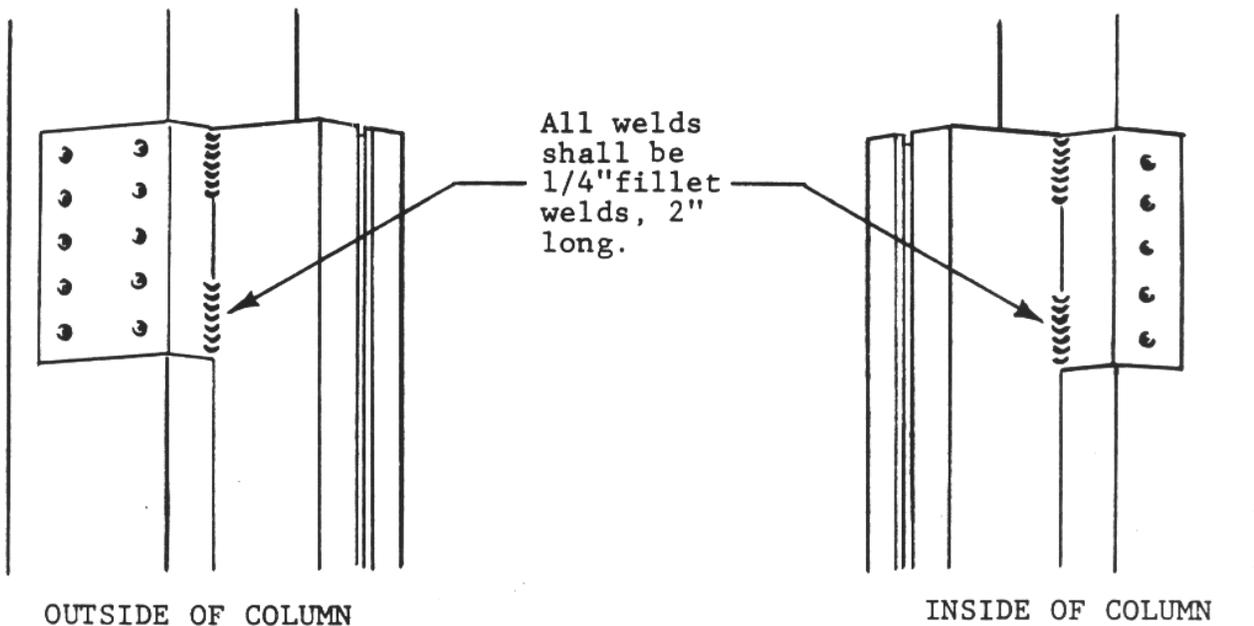
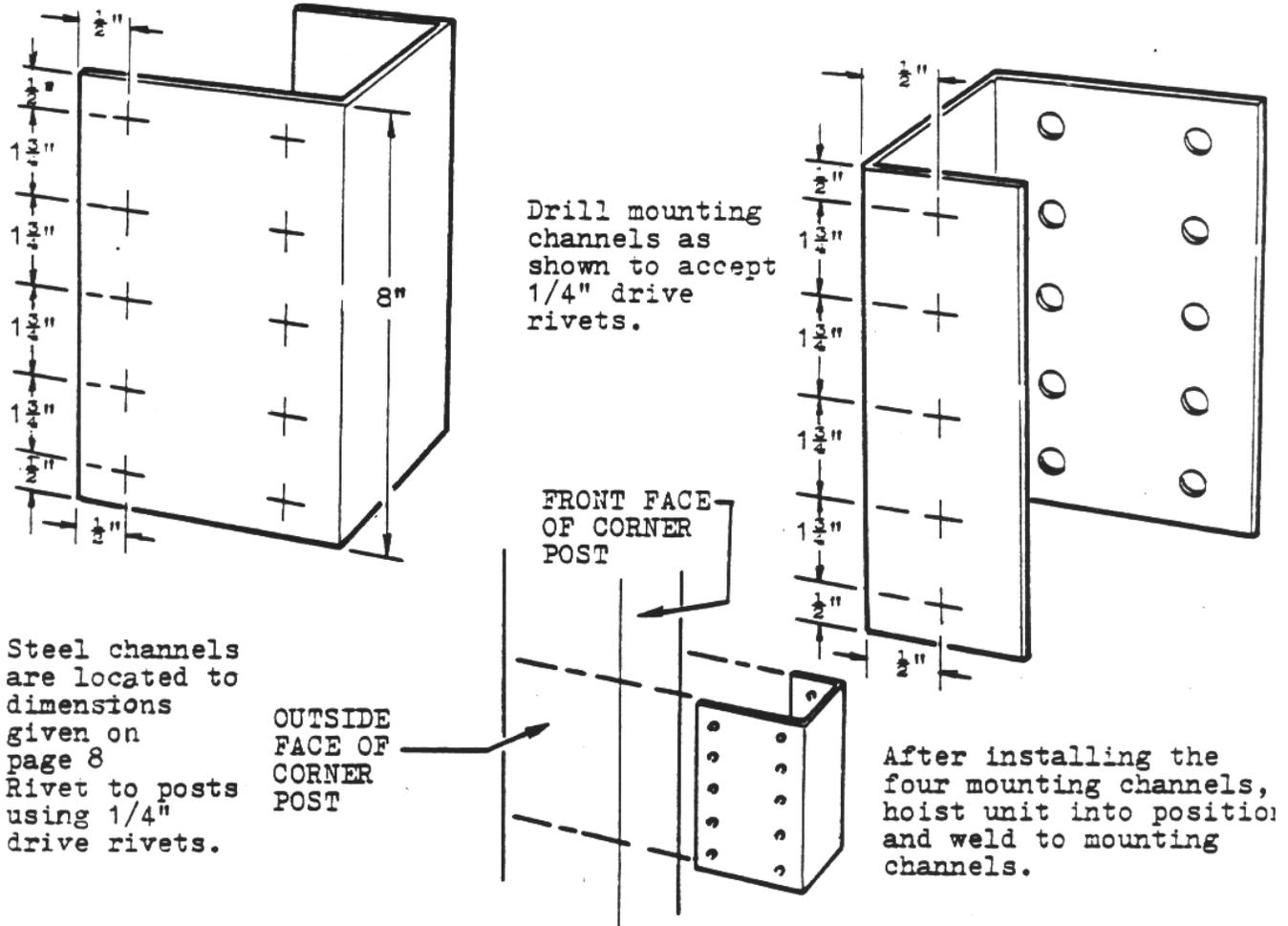
NOTE: MOUNTING CHANNEL IS NOT SUPPLIED BY MAXON.



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WELDING LIFTGATE TO VEHICLE - Continued

Steel mounting channels shall be 10 gauge material, 8" in length. All other dimensions to suit dimensions of vehicle corner posts.



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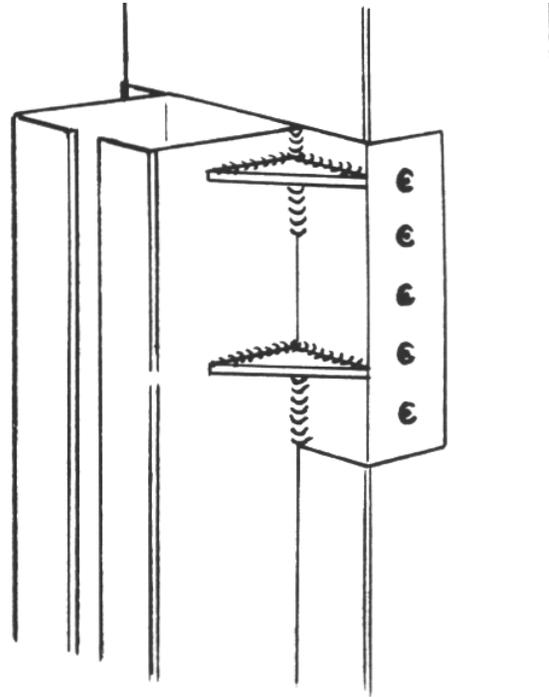
WELDING LIFTGATE TO VEHICLE - Continued

INSIDE OF COLUMN ASSEMBLY

Weld two 1/8" gussets to channels and column assembly.

The channel located at the bottom of the column assembly is gusseted in an identical manner.

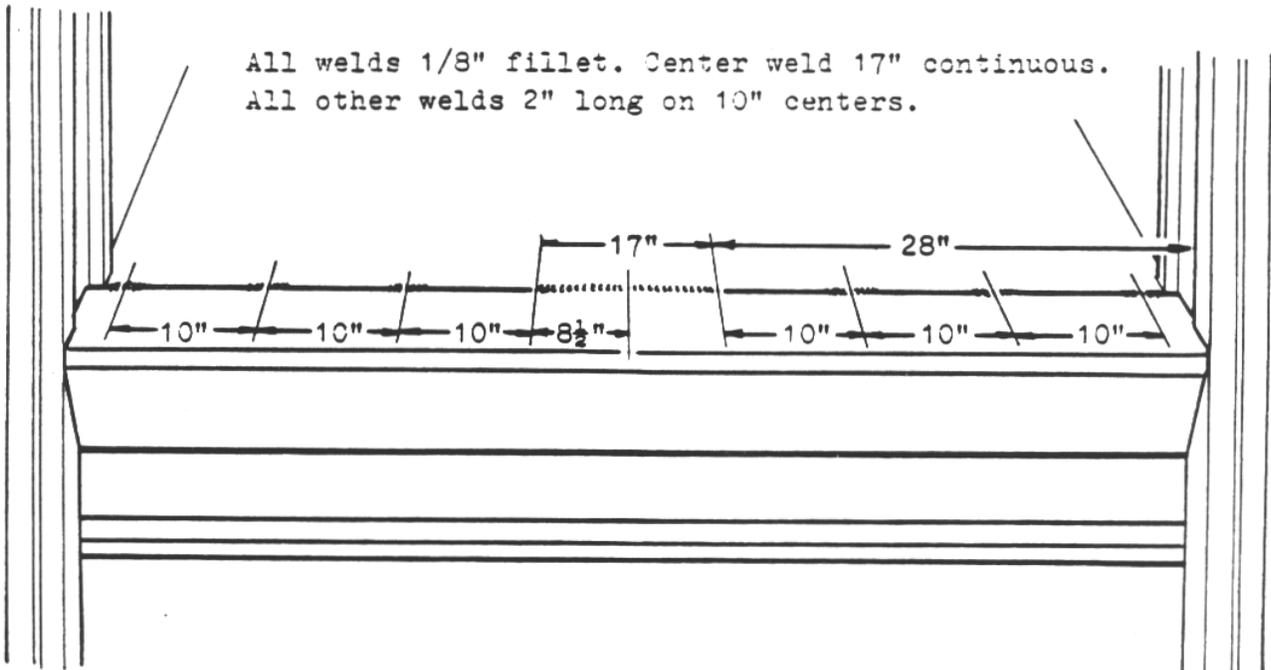
Repeat for right hand column assembly.



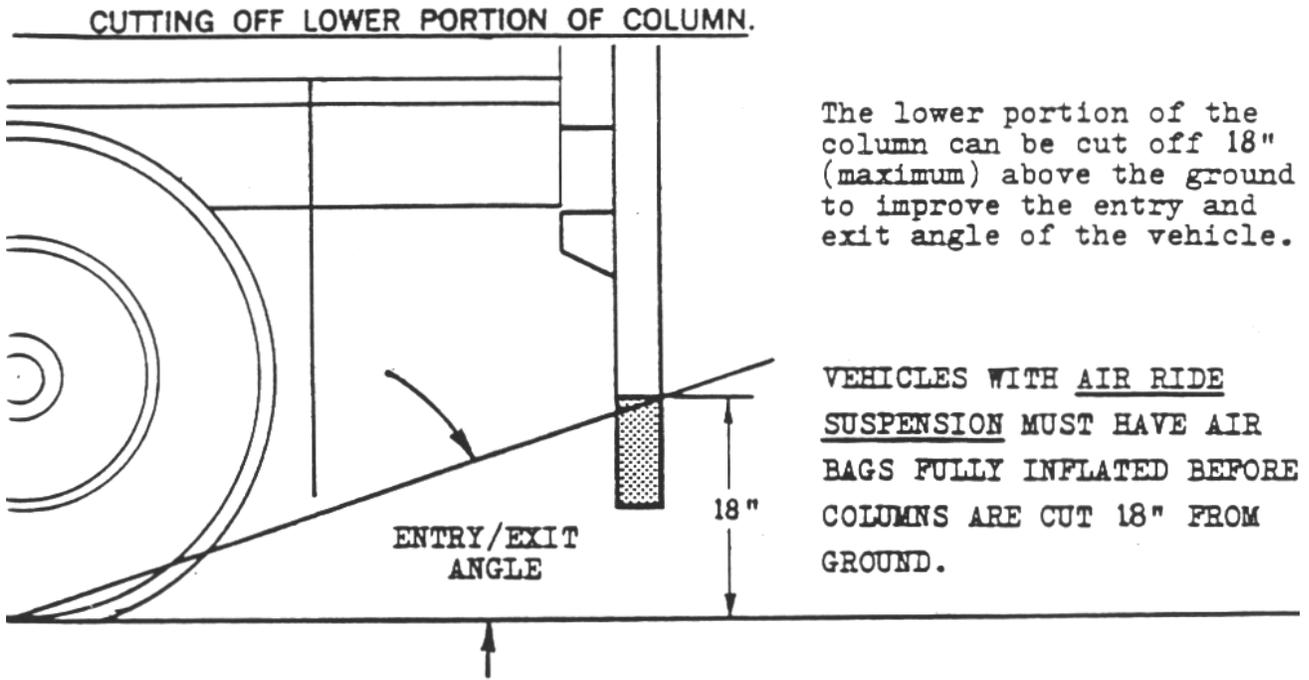
WELDING MAIN FRAME TO SILL

The rear of the MAIN FRAME shall be welded to the SILL as illustrated below.

All welds 1/8" fillet. Center weld 17" continuous.
All other welds 2" long on 10" centers.



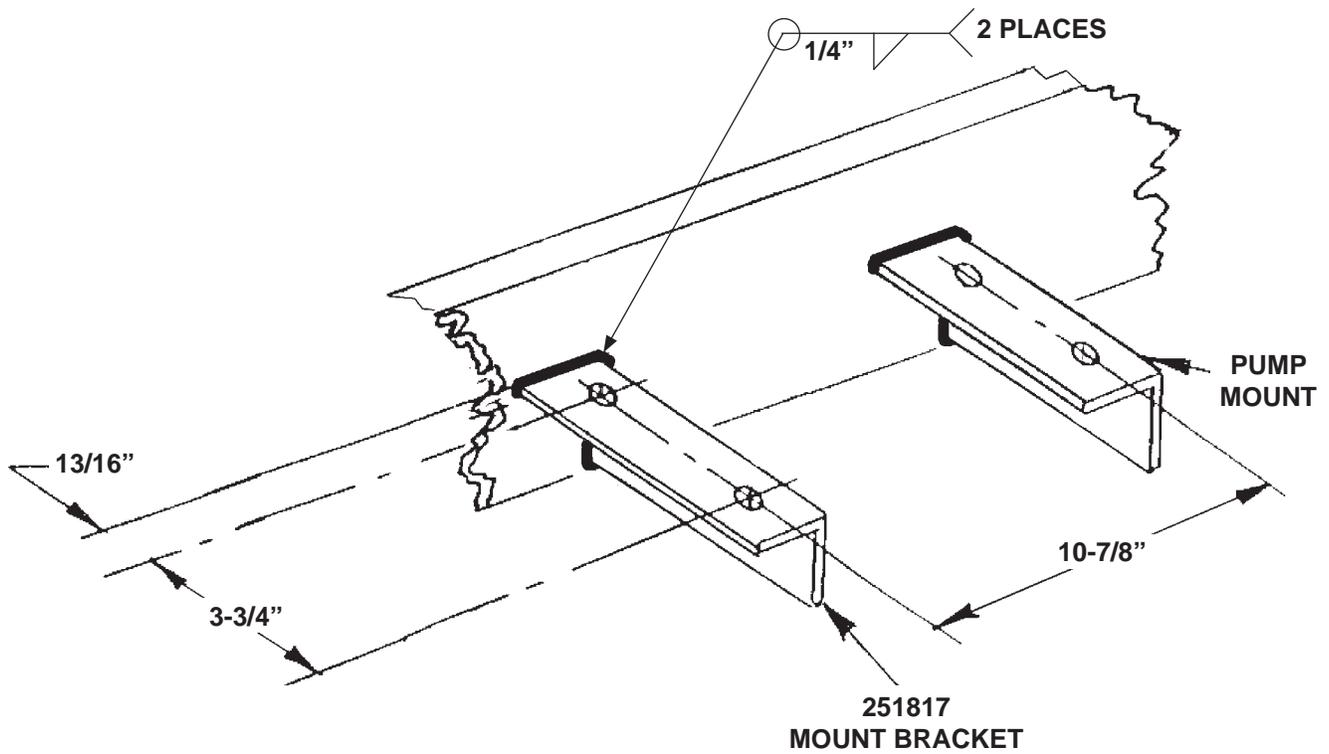
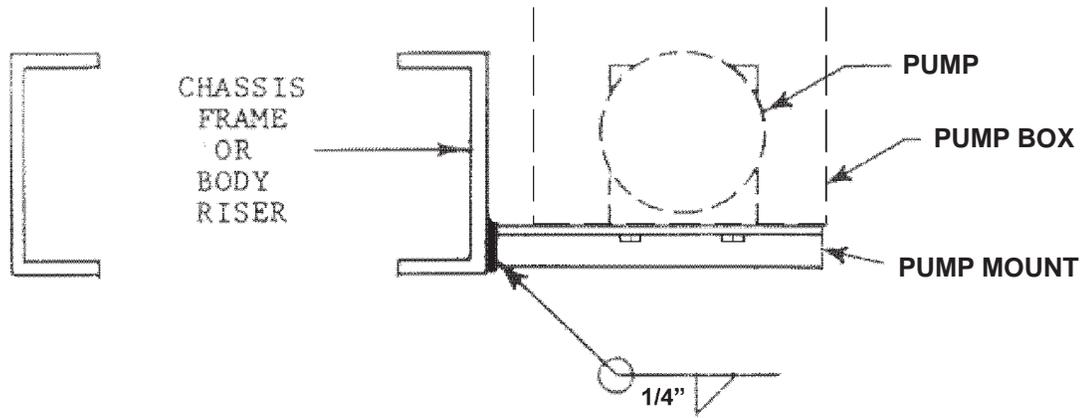
WELDING LIFTGATE TO VEHICLE - Continued



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INSTALLING PUMP & PUMP BOX

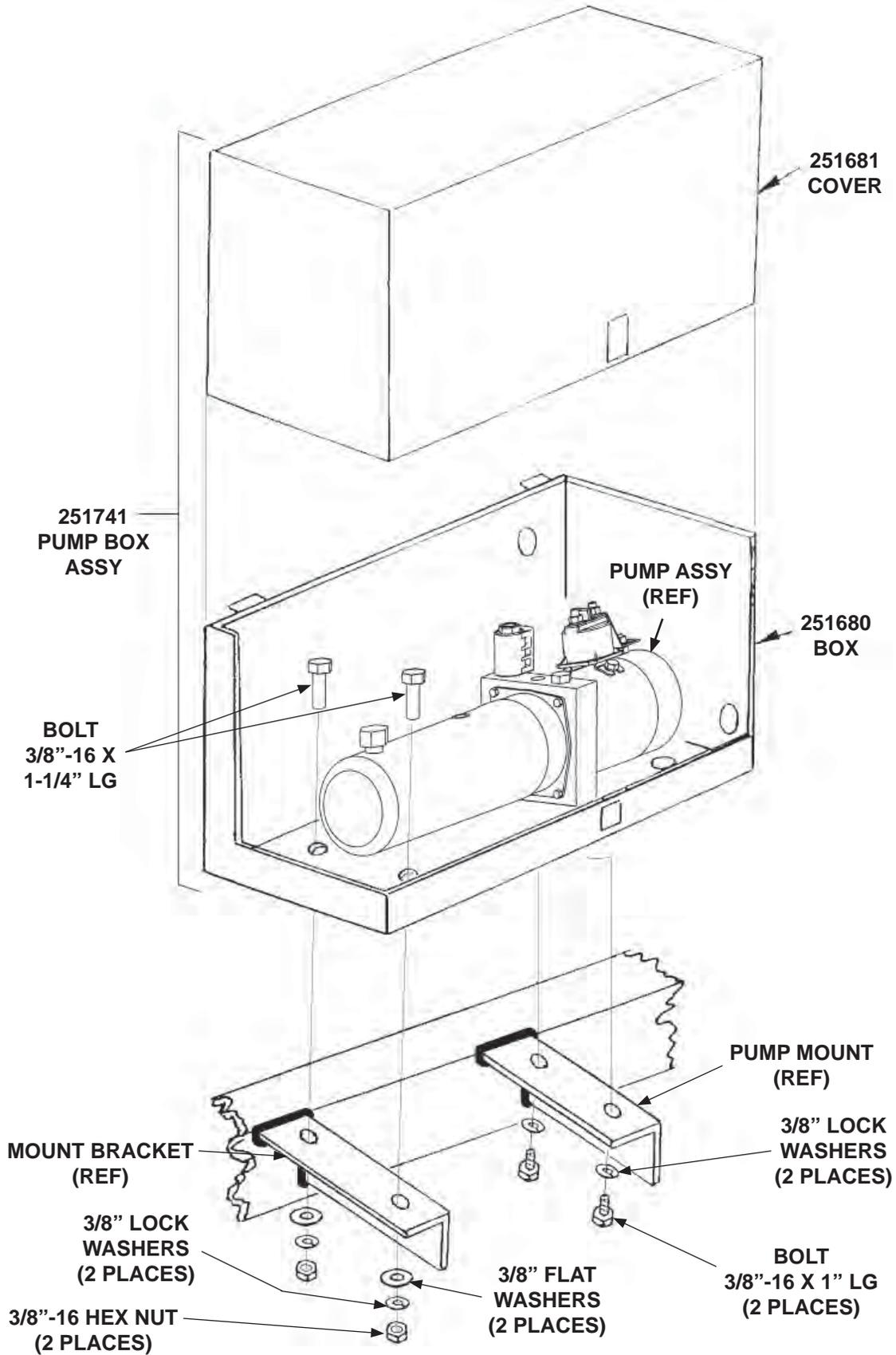
WELD ON PUMP MOUNT & BRACKET



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INSTALLING PUMP & PUMP BOX - Continued

BOLT ON PUMP BOX & PUMP ASSEMBLY



RUNNING POWER CABLE

⚠ CAUTION

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

NOTE: Make sure cable is long enough to reach positive terminal on Liftgate pump box without putting tension on the cable.

Install vehicle charge line by running the line along the inside of vehicle frame (**FIG. 19-1**). Make sure **175 amp fuse (FIG. 19-1)** end of cable is by the battery. Run the charge line from vehicle battery to Liftgate pump box positive terminal. Use frame clips (parts box item) and plastic ties (as required) from charge line kit to secure cable.

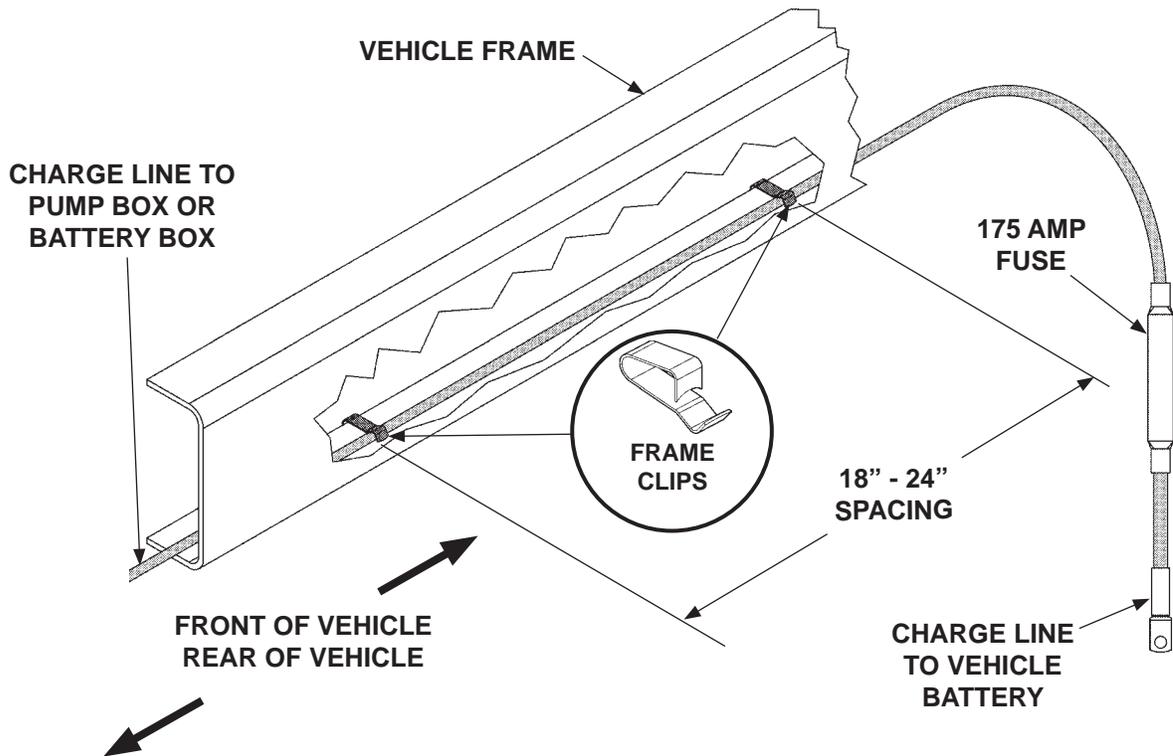


FIG. 19-1

CONNECT POWER CABLE

1. Run power cable through hole in pump box wall (**FIG. 20-1**).
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. 20-2A**). Measure (if needed), and then cut excess cable from bare wire end of cable. Put heatshrink tubing (Parts Box item) (**FIG. 20-2B**) on the end of the cable and leave room for terminal lug. Crimp copper terminal lug (5/16" ring, Parts Box item) on the fused power cable and shrink the heatshrink tubing (**FIG. 20-2C**).

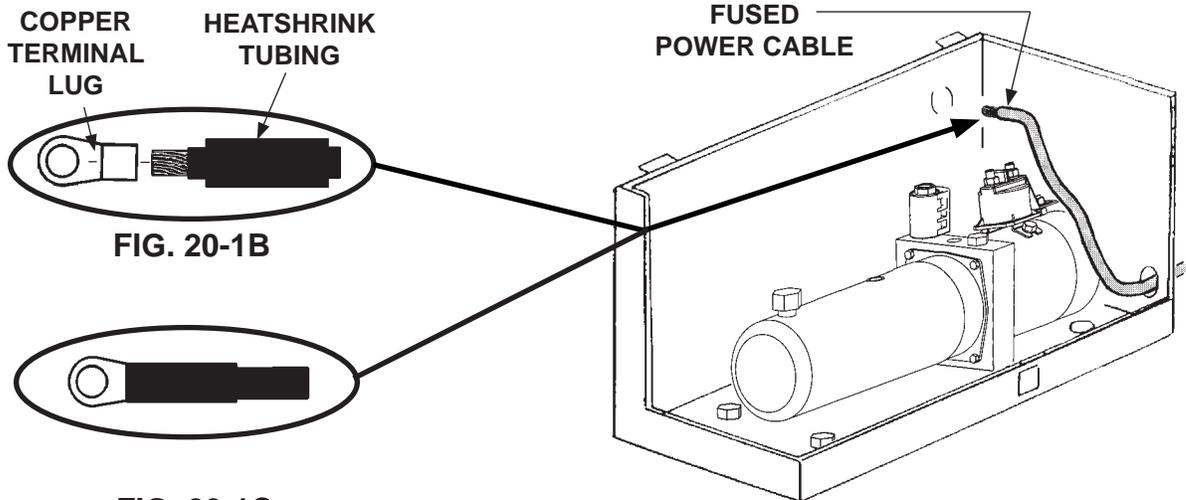


FIG. 20-1B

FIG. 20-1C

TYPICAL FUSED POWER CABLE ROUTING
FIG. 20-1A

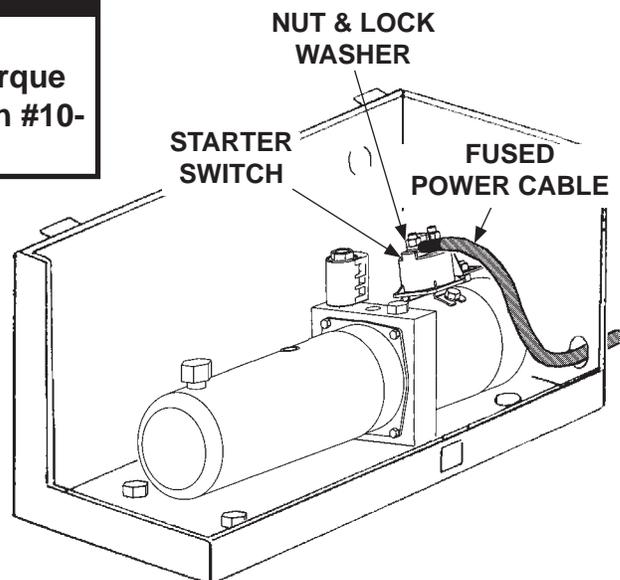
CAUTION

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

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

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

3. Remove hex nut and lock washer from battery power terminal on the starter solenoid. Connect the fused power cable to the starter switch as shown in **FIG. 20-1**. Reinstall and tighten lock washer and hex nut.

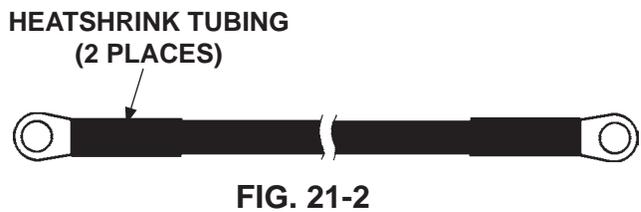
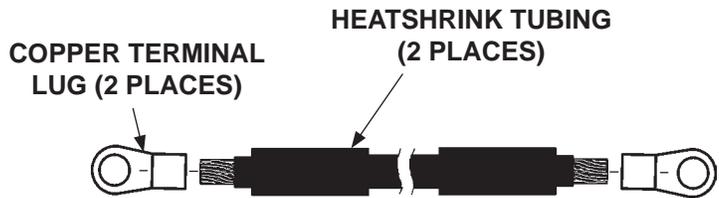


CONNECTING POWER CABLE TO
PUMP STARTER SWITCH
FIG. 20-2

CONNECT GROUND CABLE

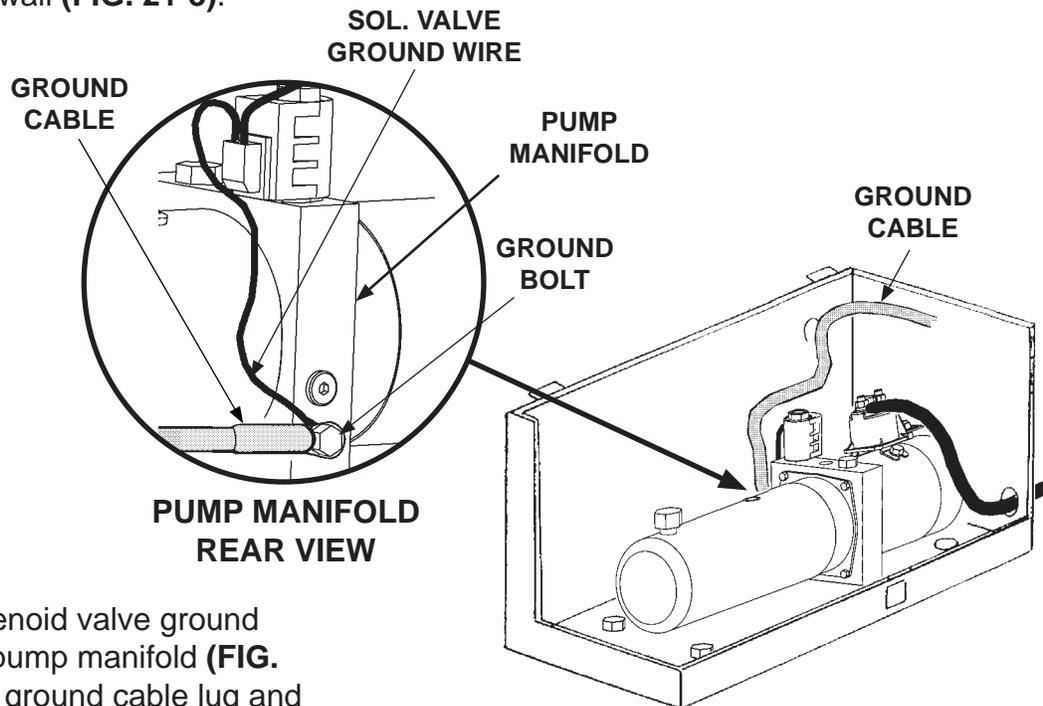
NOTE: To ensure power unit is correctly grounded, MAXON recommends connecting 2 gauge ground cable from grounding bolt on pump manifold to grounding point on vehicle frame. Use remaining length of 2 gauge cable (Parts Box item) and 2 copper lugs (Parts Box item) to make ground cable.

1. Put heatshrink tubing (Parts Box item) (FIG. 21-1) on each end of ground cable and leave room for terminal lug. Crimp copper terminal lug (3/8" ring, Parts Box item) on each end of ground cable and shrink the heatshrink tubing (FIG. 21-2).



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

2. Run ground cable through hole in pump box wall (FIG. 21-3).



CONNECTING GROUND CABLE TO PUMP MANIFOLD
FIG. 21-3

3. Unbolt solenoid valve ground wire from pump manifold (FIG. 21-3). Bolt ground cable lug and ground wire lug to pump manifold (FIG. 21-3). Tighten bolt securely.

CONNECT GROUND CABLE - Continued

NOTE: If there is a grounding point on the frame, use it to connect ground cable. Then, skip the step for drilling a hole.

NOTE: Clean the ground cable connection point on the frame down to bare metal.

4. Extend the ground cable to reach vehicle frame (**FIG. 22-1**) without putting tension on cable (after connection). Connect to existing grounding point if available.

5. If necessary, drill a $11/32$ " (0.343") hole in vehicle frame for bolting the ground cable terminal lug (**FIG. 22-1**).

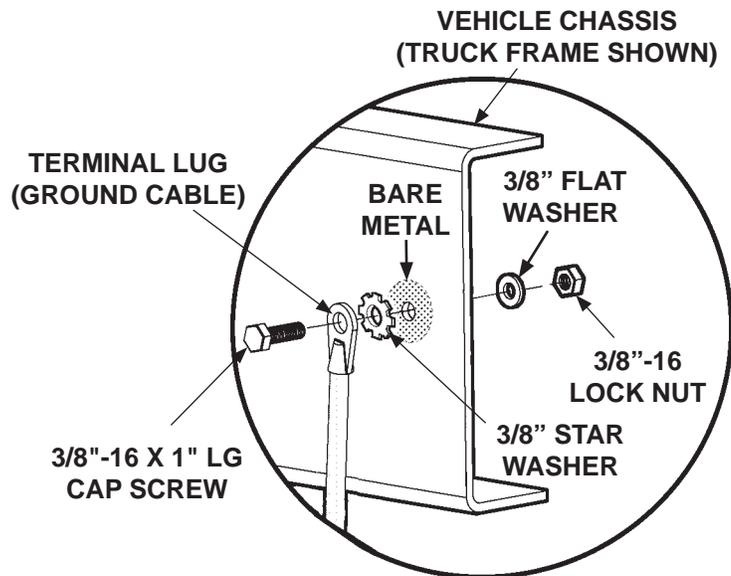
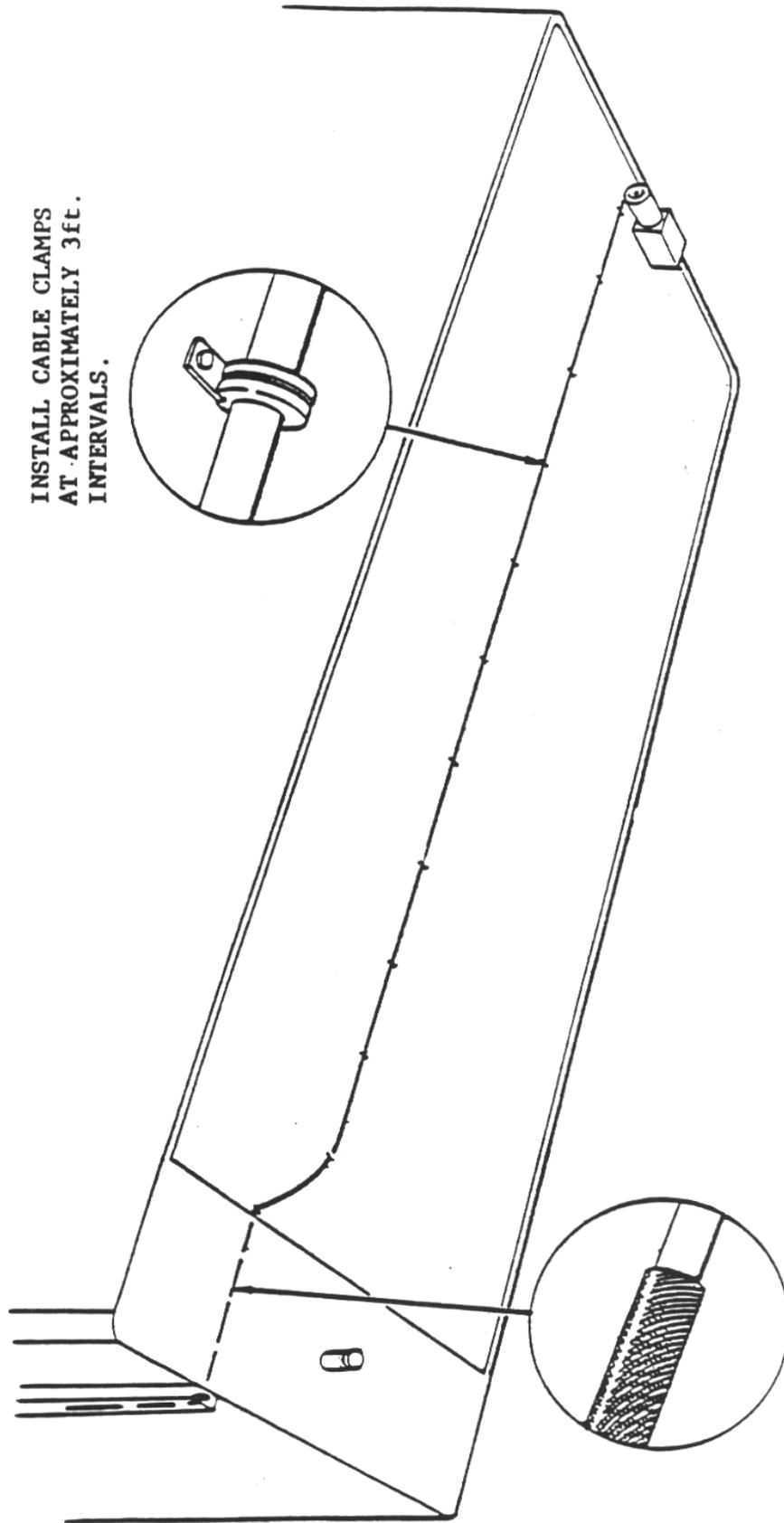


FIG. 22-1

6. Bolt the ground cable terminal lug to vehicle frame as shown in **FIG. 22-1**.

REFRIGERATION TRAILER OR TRAILER WITH SMOOTH UNDERSIDE

RUNNING CONTROL WIRING

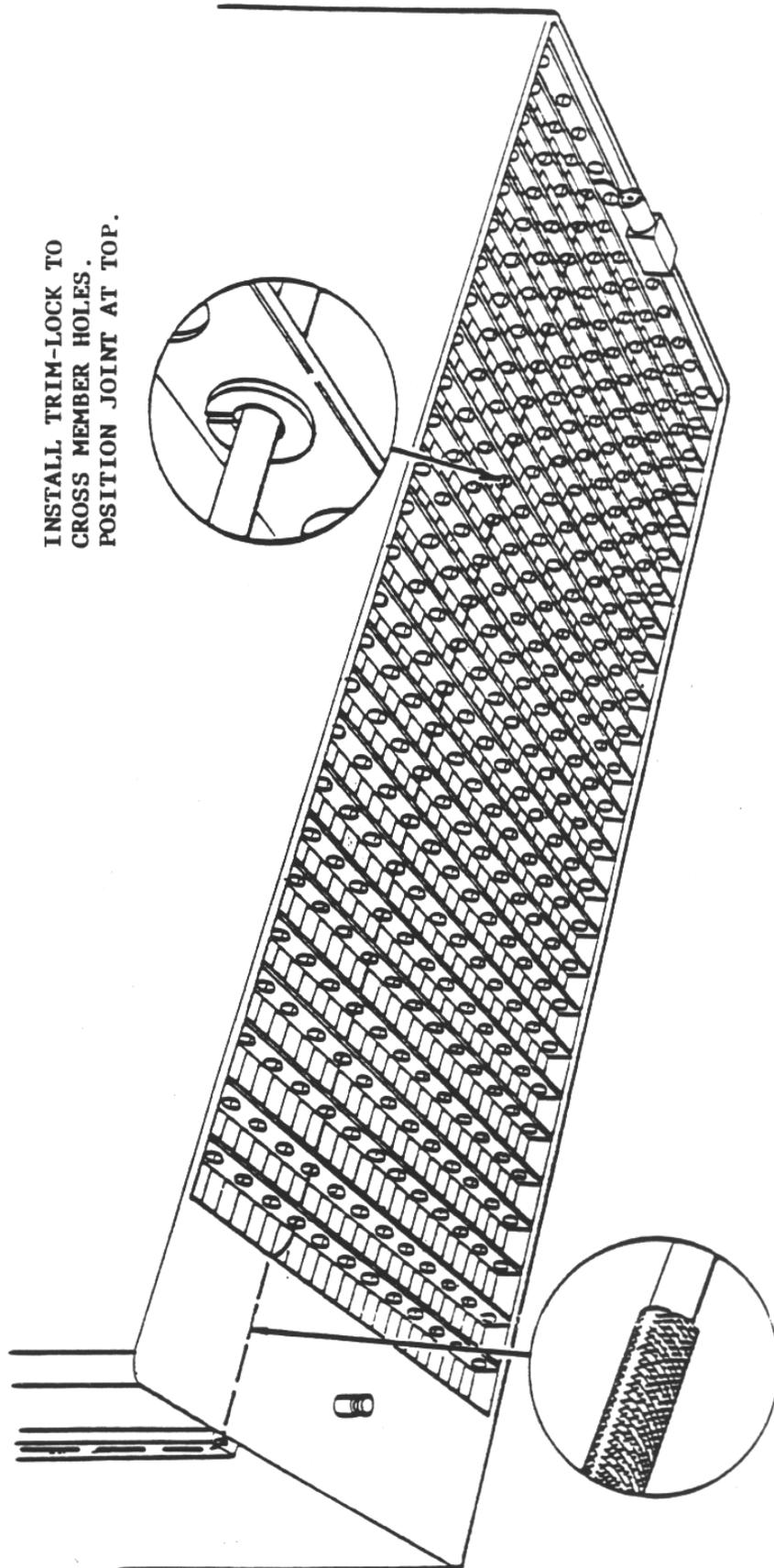


INSTALL CABLE CLAMPS
AT APPROXIMATELY 3ft.
INTERVALS.

NOTE: LOOM AND CABLE CLAMPS ARE SUPPLIED IN INSTALLATION KIT.

INSTALL LOOM TO MOTOR
WIRING CABLE. ROUTE
CABLE AROUND PIN.

RUNNING CONTROL WIRING - Continued



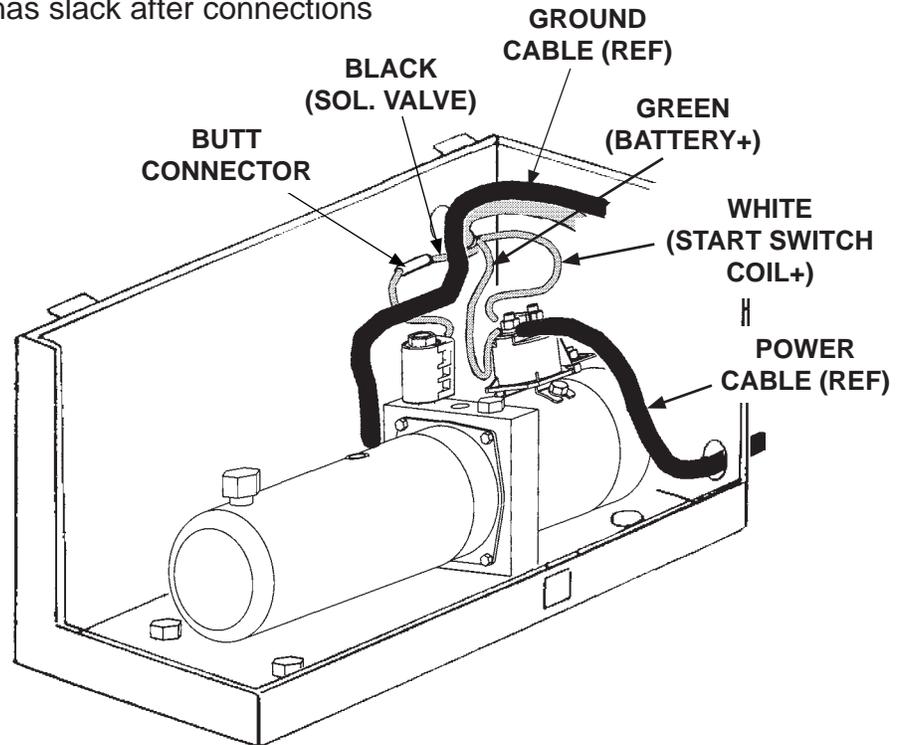
INSTALL TRIM-LOCK TO
CROSS MEMBER HOLES.
POSITION JOINT AT TOP.

INSTALL LOOM TO MOTOR
WIRING CABLE. ROUTE
CABLE AROUND PIN.

NOTE: LOOM AND TRIM LOCK IS SUPPLIED WITH INSTALLATION KIT.

CONNECT CONTROL WIRING

1. Extend the control switch cable through hole in pump box wall (**FIG. 25-1**). Connect 3 control wires to solenoid valve and starter switch (**FIG. 25-1**). Ensure wiring has slack after connections are made.



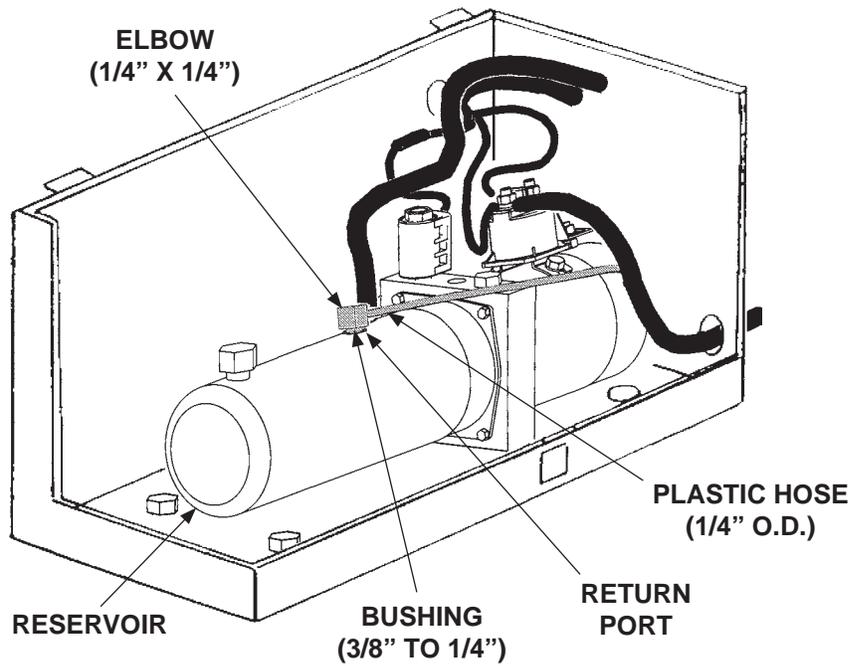
CONNECTING CONTROL SWITCH CABLE
TO PUMP ASSEMBLY

FIG. 25-1

2. Connect 3 control wires to solenoid valve and starter switch as follows (**FIG. 25-1**). Crimp butt connector on **BLACK** wire to open solenoid valve wire (**FIG. 25-1**). Connect the 2 lugs on **GREEN** and **WHITE** wires to correct posts on starter switch (**FIG. 25-1**). Ensure wiring has slack when connected.

CONNECT RETURN HOSE

1. Remove shipping plug from return port in reservoir (**FIG. 26-1**).



**RETURN HOSE CONNECTED TO PUMP RESERVOIR
FIG. 26-1**

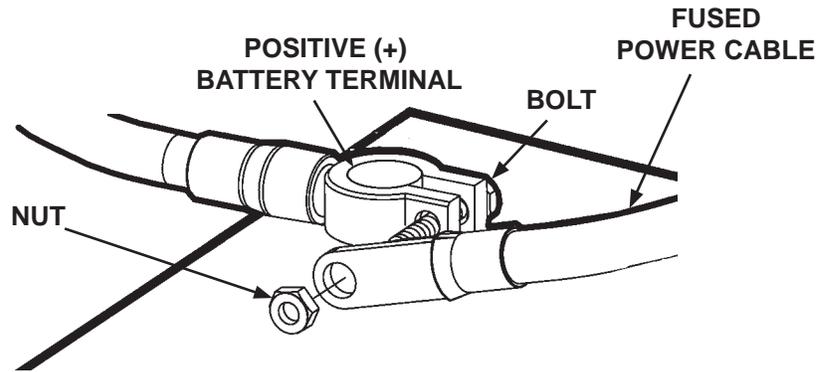
NOTE: Apply thread sealant (Parts Box item) to hydraulic line connections.

2. Connect bushing and 1/4" x 1/4" elbow (Parts Box items) to return port on reservoir (**FIG. 26-1**).
3. Connect return hose to elbow (**FIG. 26-1**).

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. 27-1**). Re-install and tighten nut.

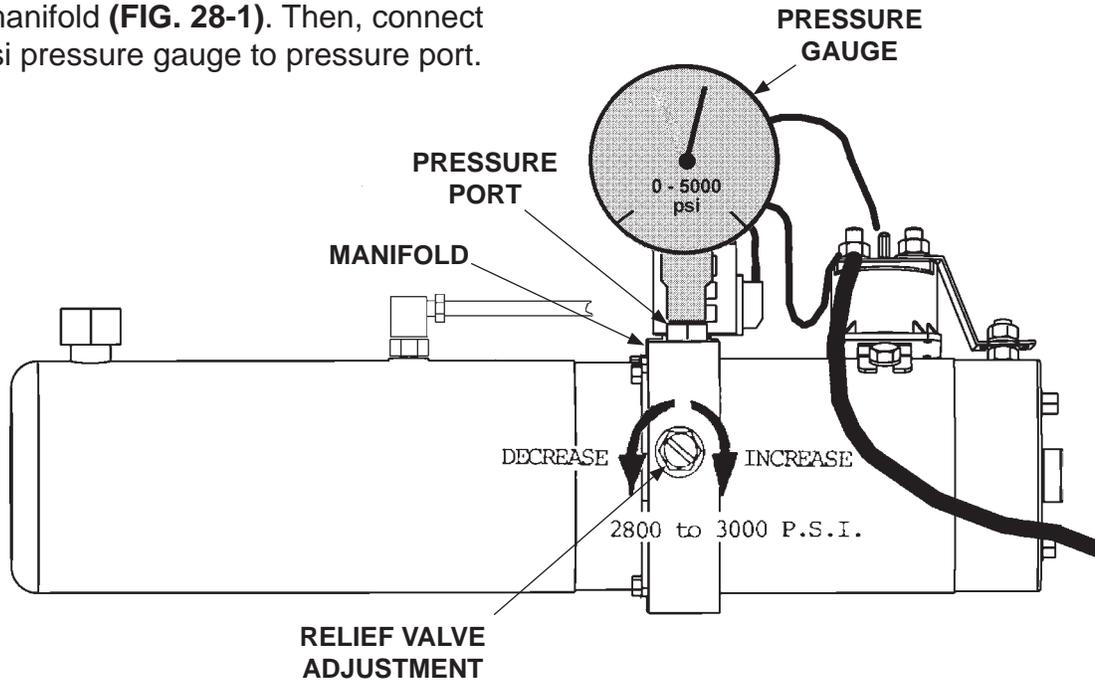


**CONNECTING POWER CABLE
FIG. 27-1**

ADJUST PRESSURE RELIEF VALVE

NOTE: To set pressure relief valve, hydraulic pressure gauge must be connected to lifting port on pump manifold. Do the pump pressure relief valve adjustment before connecting pressure hose from cylinder.

1. Remove shipping plug from pressure port on pump manifold (**FIG. 28-1**). Then, connect 5000 psi pressure gauge to pressure port.



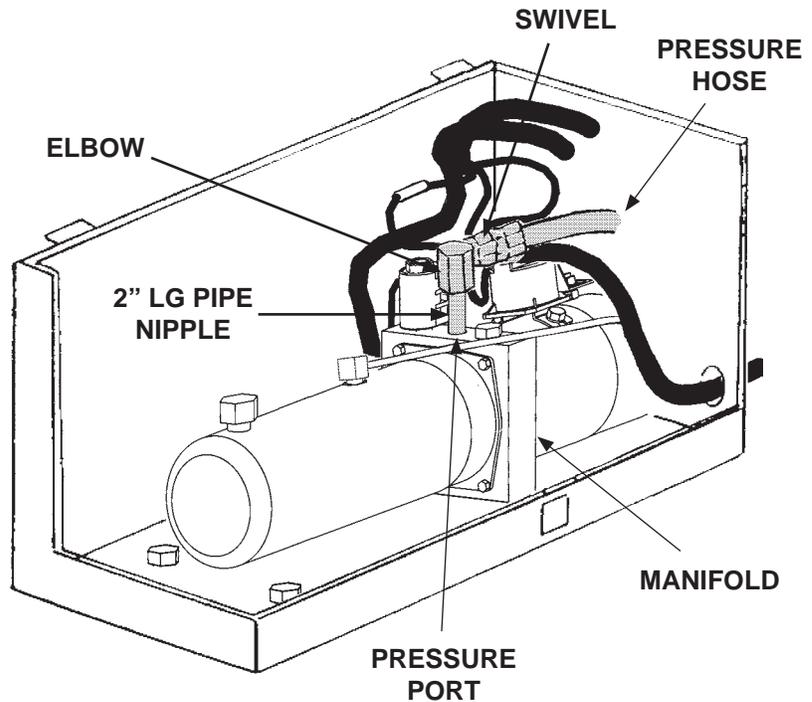
**ADJUSTING PRESSURE RELIEF VALVE
FIG. 28-1**

2. Remove relief valve cover from manifold (**FIG. 28-1**).
3. Hold control switch in **UP** position and observe pressure gauge (**FIG. 28-1**). Turn relief valve adjustment until gauge reads 2800 to 3000 psi (**FIG. 28-1**). Then release control switch.
4. Reinstall relief valve cover. Then disconnect pressure gauge (**FIG. 28-1**).

CONNECT PRESSURE LINE

NOTE: Apply thread sealant (Parts Box item) to hydraulic line connections.

1. Connect pipe nipple and swivel elbow (Parts Box items) to pressure port on pump manifold (**FIG. 29-1**).



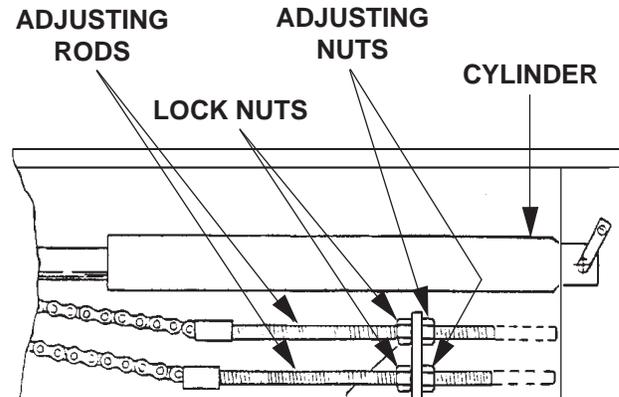
**PRESSURE HOSE CONNECTED TO PUMP MANIFOLD
FIG. 29-1**

2. Connect pressure hose to swivel end of pipe nipple (**FIG. 29-1**).

ADJUST DRIVE CHAINS (ABOVE BED MODELS)

NOTE: Vehicle body must be empty (unloaded) before performing the following adjustment.

1. Adjust drive chains as follows.
2. Remove cover from Cylinder Housing. Loosen the lock nut on each chain adjusting rod (**FIG. 30-1**). Then lower Platform to ground level.
3. Turn each chain adjusting nut (**FIG. 30-1**) an equal amount of clockwise turns (alternate from chain to chain) until hydraulic cylinder is fully compressed. Then tighten the lock nut (**FIG. 30-1**) on each chain.
4. If either of the 2 chain rods are too long, cut off the excess as shown in **FIG. 30-1**.



**ADJUSTING DRIVE CHAIN
FIG. 30-1**

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 23-1 and 23-2** for recommended brands.

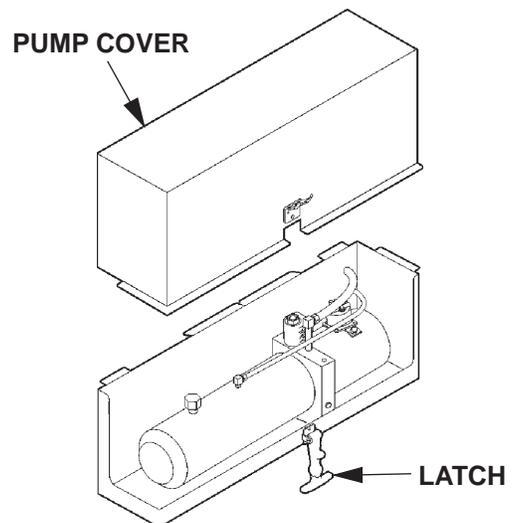
NOTE: If the hydraulic fluid in the reservoir is contaminated, do the **CHANGING HYDRAULIC FLUID** procedure in this section.

1. Open and lower platform to ground level. Unfasten latch and remove the pump cover (**FIG. 31-2**).

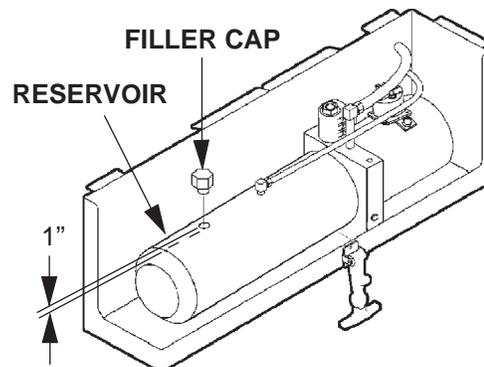
2. Remove threaded filler cap (**FIG. 31-2**). Check the hydraulic fluid level in reservoir. hydraulic fluid level should be 1" below the top of filler hole (**FIG. 31-2**). If needed, add hydraulic fluid to fill the reservoir to the level shown in **FIG. 31-2**.

3. Reinstall filler cap (**FIG. 31-2**).

4. Reinstall the pump cover and fasten latch (**FIG. 31-2**).



**REMOVING / REINSTALLING
PUMP COVER
FIG. 31-1**



**CHECKING FLUID LEVEL
FIG. 31-2**

CAUTION

Pump Cover must be correctly secured to prevent it from becoming a hazard. To secure Pump Cover, fasten the rubber latch on the Pump Box to the receiver on the Pump Box Cover.

CHECKING HYDRAULIC FLUID - Continued

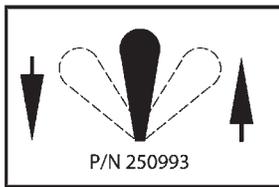
ISO 32 HYDRAULIC OIL	
RECOMMENDED BRANDS	PART NUMBER
AMSOIL	AWH-05
CHEVRON	HIPERSYN 32
KENDALL	GOLDEN MV
SHELL	TELLUS T-32
EXXON	UNIVIS N-32
MOBIL	DTE-13M, DTE-24, HYDRAULIC OIL-13

TABLE 32-1

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

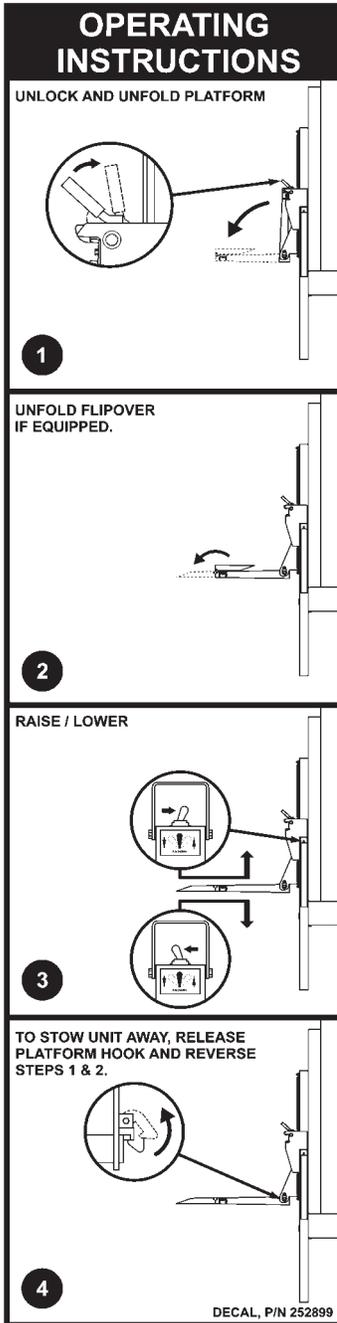
TABLE 32-2

ATTACHING DECALS



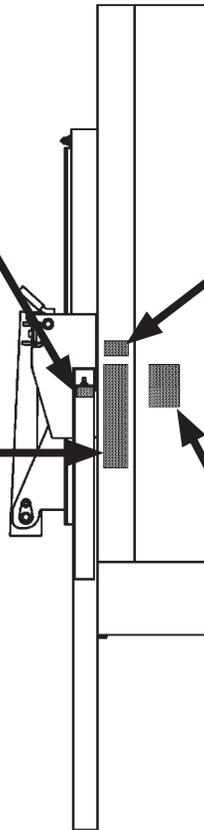
P/N 250993

CONTROL SWITCH DECAL
P/N 250993



DECAL, P/N 252899

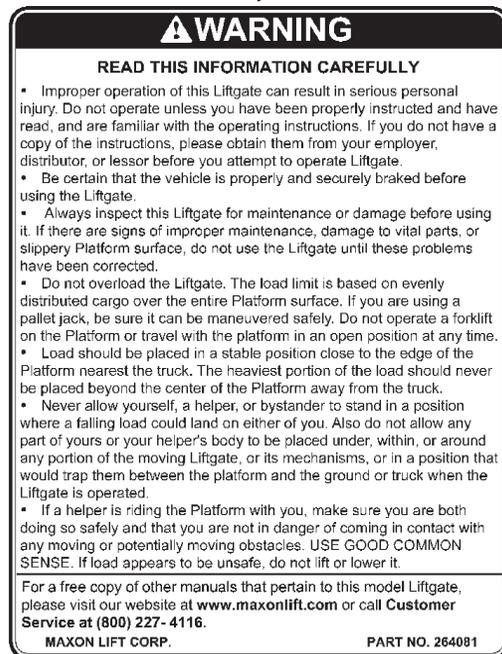
INSTRUCTION DECAL
P/N 252899



CAPACITY DECAL (RCM-1600 ONLY)
P/N 224751



CAPACITY DECAL (RCM-1250 ONLY)
P/N 226006



WARNING DECAL
P/N 264081

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

TOUCHUP PAINT

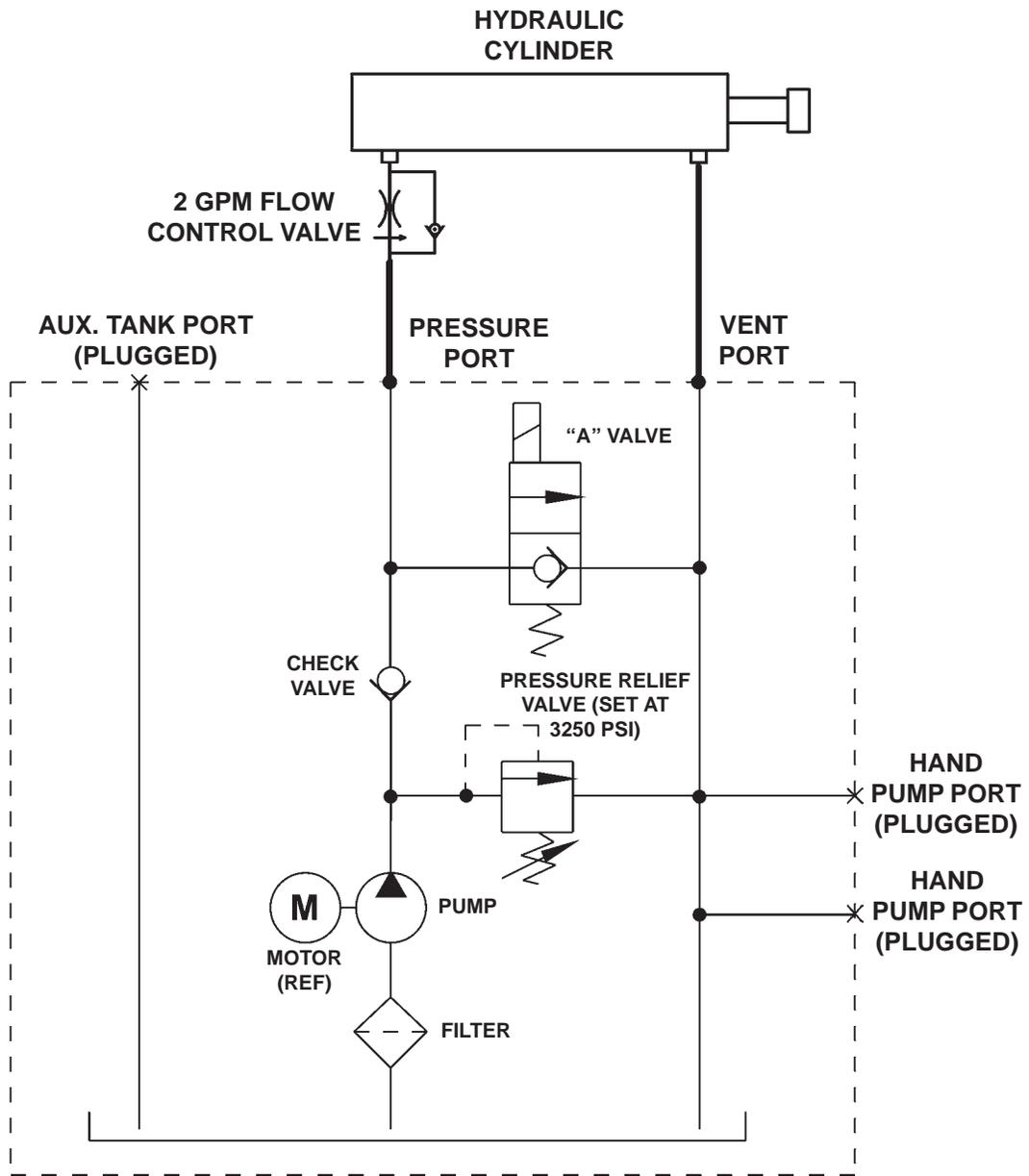
CAUTION

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 908134-01.

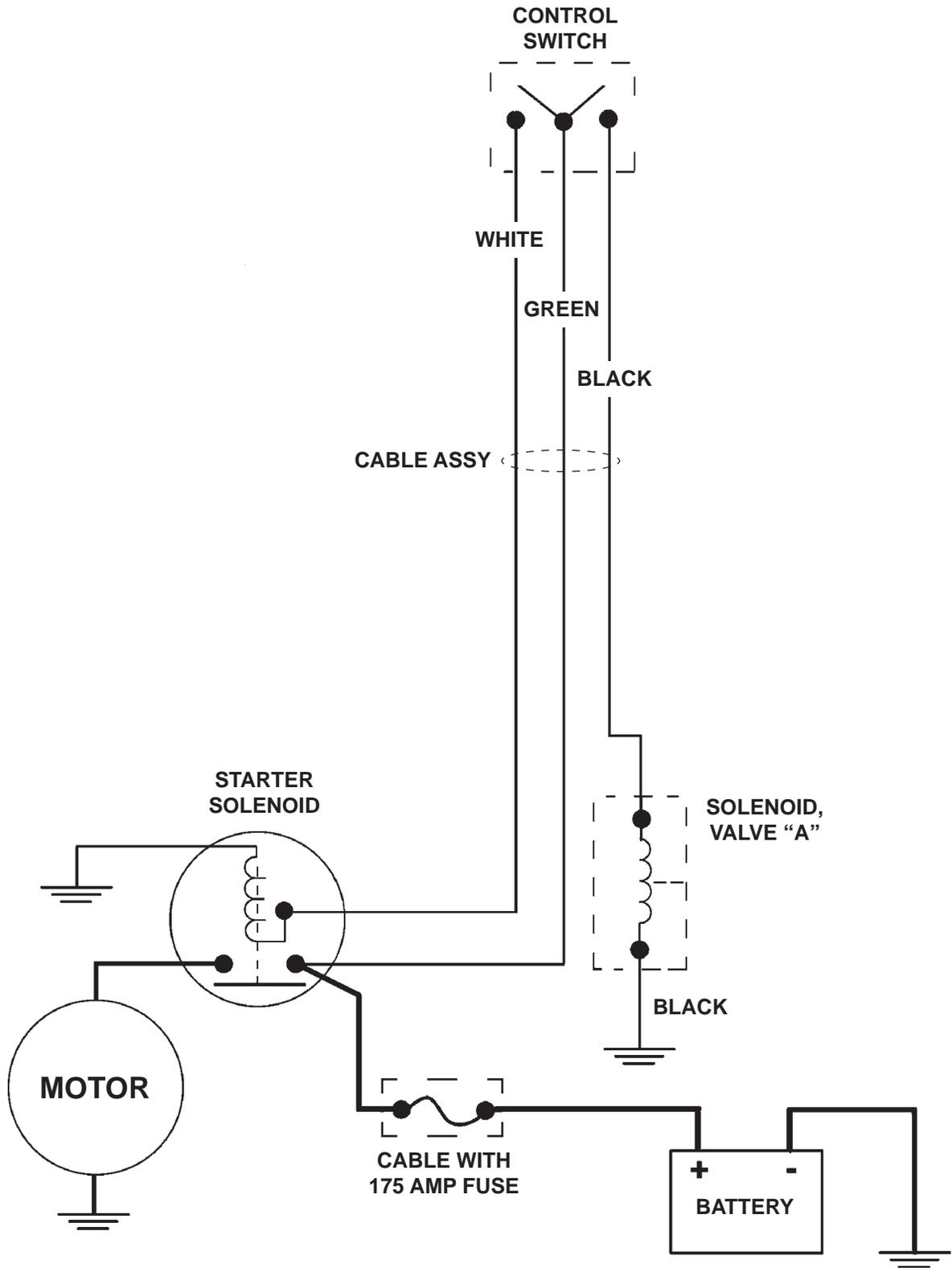
MAXON[®] 11921 Slauson Ave. Santa Fe Springs, CA. 90670 (800) 227-4116 FAX (888) 771-7713

HYDRAULIC SYSTEM DIAGRAM



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

ELECTRICAL SYSTEM DIAGRAM



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

OPTIONS

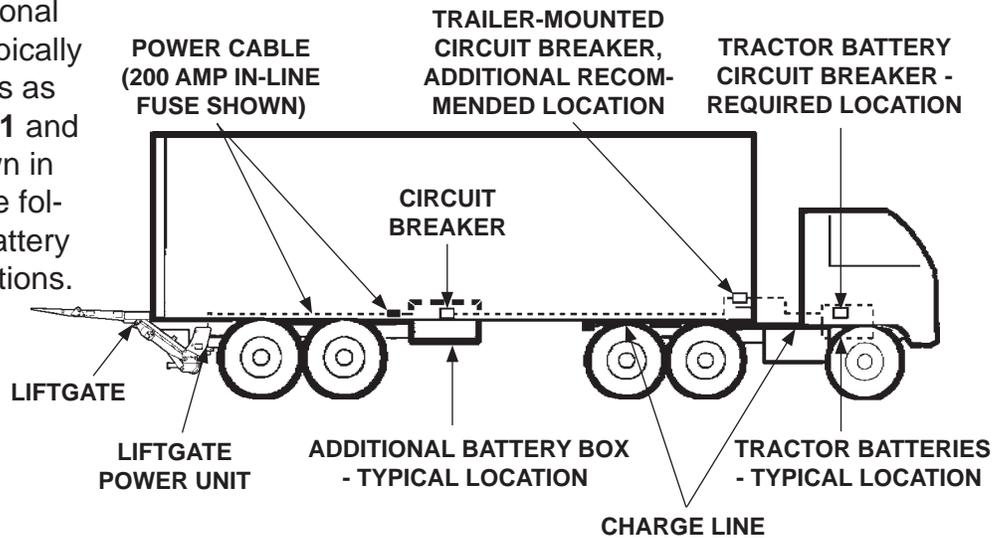
MISCELLANEOUS KITS	PART NO.
IN CAB ON-OFF SWITCH	250477
CIRCUIT BREAKER (150 AMP)	251576
AUXILIARY HAND PUMP KIT	251849
EXTRA CONTROLS & CONTROL KITS	
HAND HELD CONTROL	053513
HAND HELD CONTROL WITH COILED CORD	053513-200
BATTERY BOX KITS	
KIT "B" (DUAL BATTERY BOX)	022244-01
TRUCK BATTERY BOX WITHOUT BATTERY (FOR 6V BATTERY)	251154-03
TRUCK BATTERY BOX WITHOUT BATTERY (FOR 12V BATTERY)	251154-05
TRAILER BATTERY BOX WITHOUT BATTERY (FOR 6V BATTERY)	251156-03
TRAILER BATTERY BOX WITHOUT BATTERY (FOR 12V BATTERY)	251156-05
TRAILER CHARGE LINE KITS	
KIT "A" (CABLE WITH TRAILER CONNECTORS & CIRCUIT BREAKER)	022413
TRAIL CHARGER	267370-01
HIGH PERFORMANCE CHARGER	267580-01
BATTERY	
BATTERY, 12V HD (SEALED, MAINTENANCE FREE, GROUP SZ 31)	267318-01
TOUCH-UP PAINT KIT	
TOUCH-UP PAINT (BCG) WITH ALUMINUM PRIMER, SMALL	908134-01

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

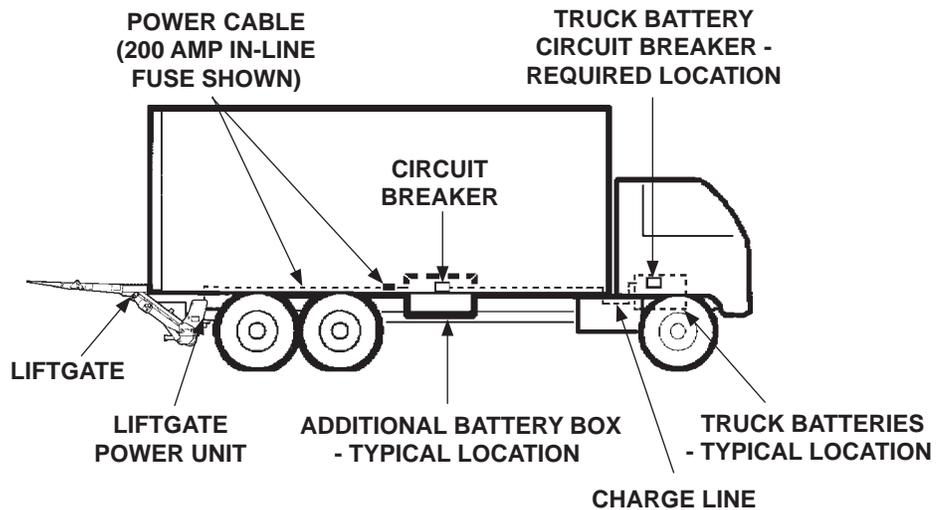
RECOMMENDED LIFTGATE POWER CONFIGURATION

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

1. Liftgate and additional battery box are typically installed on trailers as shown in **FIG. 38-1** and on trucks as shown in **FIG. 38-2**. See the following page for battery and cable connections.



**RECOMMENDED LIFTGATE & BATTERY BOX
INSTALLATION ON TRAILER
FIG. 38-1**

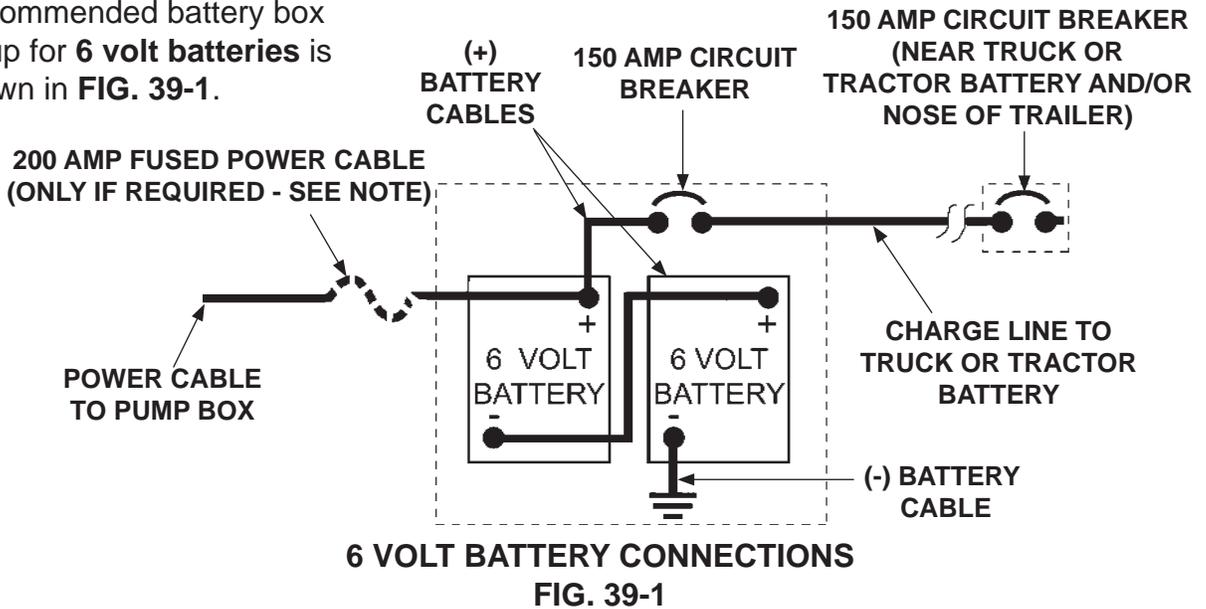


**RECOMMENDED LIFTGATE & BATTERY BOX
INSTALLATION ON TRUCK
FIG. 38-2**

RECOMMENDED LIFTGATE POWER CONFIGURATION - Continued

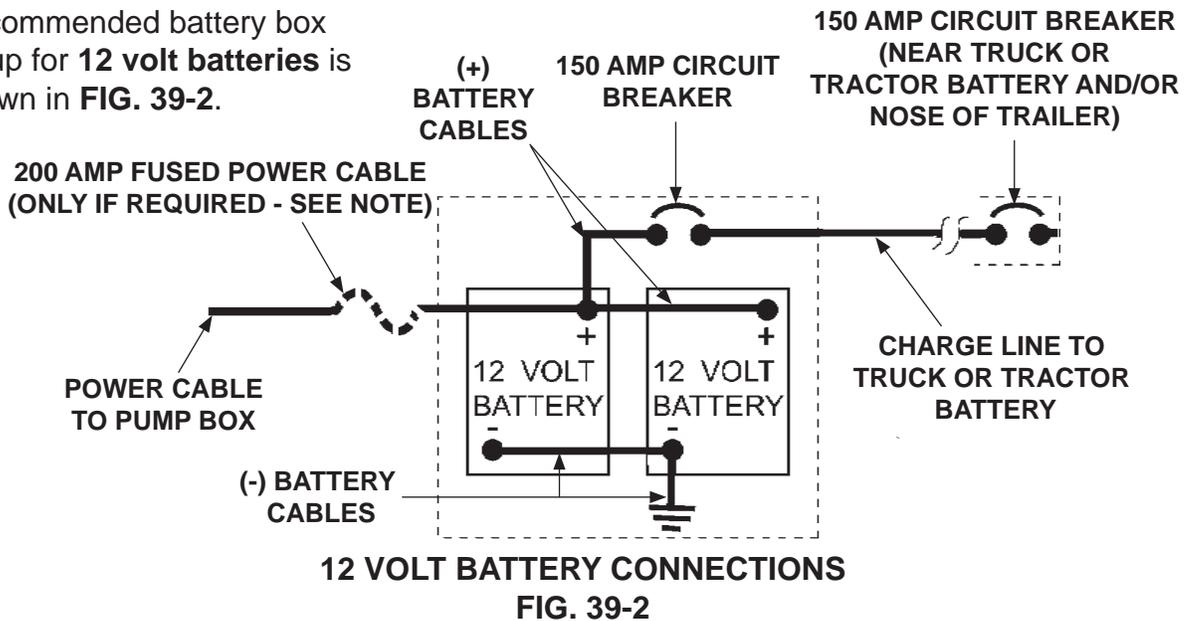
NOTE: Always connect fused end of power cable to battery positive (+) terminal.

2. Recommended battery box setup for **6 volt batteries** is shown in **FIG. 39-1**.



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

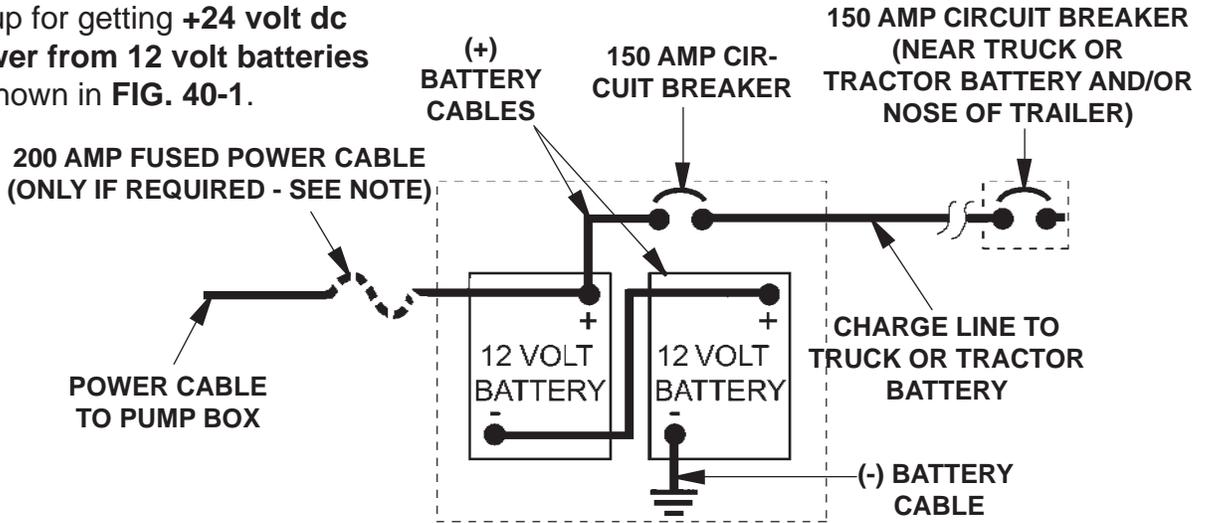
3. Recommended battery box setup for **12 volt batteries** is shown in **FIG. 39-2**.



RECOMMENDED LIFTGATE POWER CONFIGURATION - Continued

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

4. Recommended battery box setup for getting **+24 volt dc power from 12 volt batteries** is shown in **FIG. 40-1**.



12 VOLT BATTERY CONNECTIONS FOR +24 VDC POWER
FIG. 40-1