

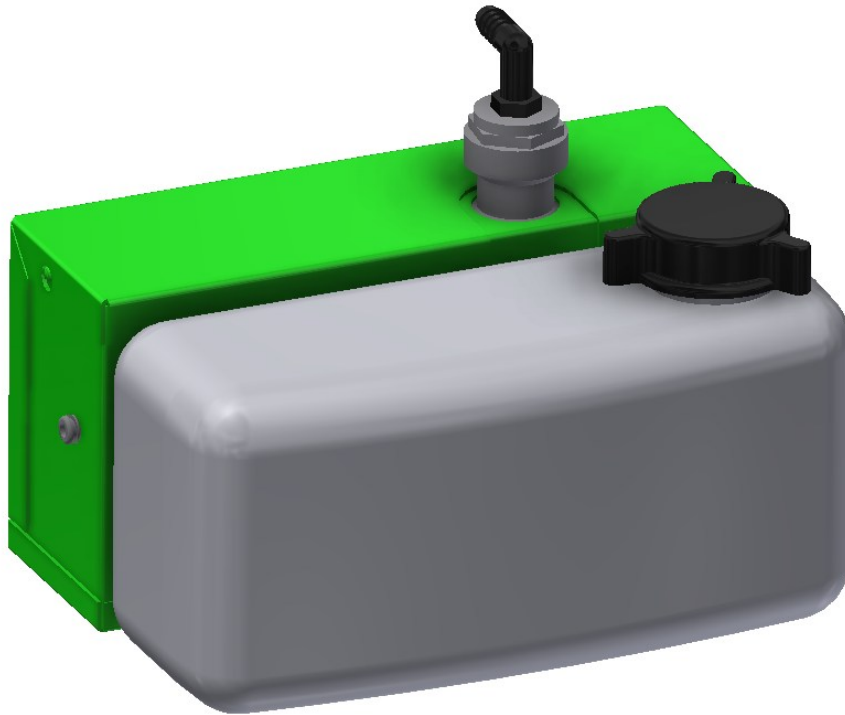
STEELGREEN[™]

MANUFACTURING

INSTRUCTION MANUAL

1 GALLON FOAM MARKER ATTACHMENT

Models: SG36, SG42, SG46, & SG52



1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

STEP 1: Disconnect the battery, *ground* first and then *power* wire.



GROUND

POWER

STEP 2: Disconnect and remove the fuel tank.

CAUTION!

-Beware of excess fuel in the lines.

-Fuel spillage.

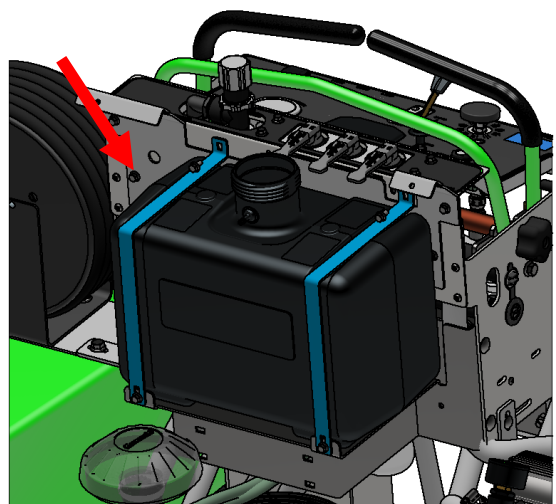
WARNING!

-Flammable gas.



ENGINE SUPPLY LINE

PRESSURE RELIEF

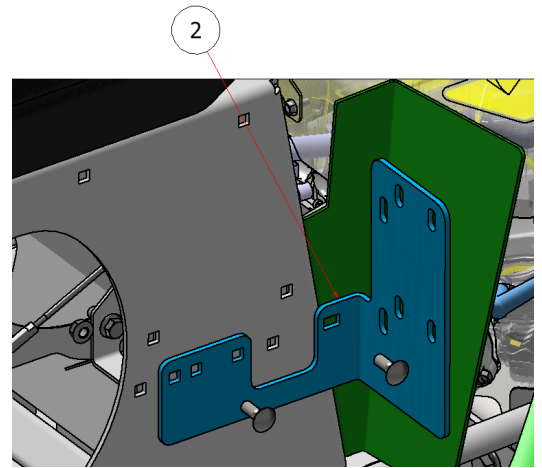


1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

STEP 3: Attach the lower support bracket to the side of the hopper using the diffuser bracket bolts.

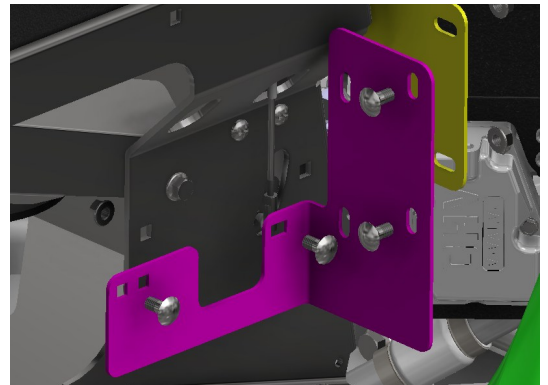
PARTS LIST			
ITEM	QTY	PART NUMBER	TITLE
2	1	R22-112	SG FOAM MARKER SUPPORT

SG46/52



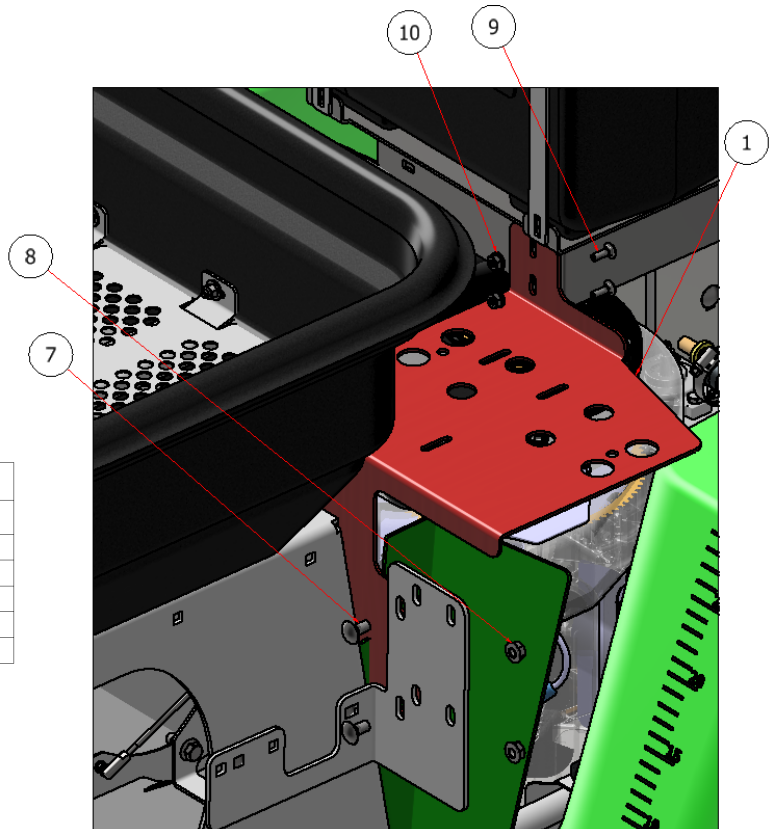
- Attach the lower support bracket (supplied with the kit) to the side of the hopper. 4 CB-1434SS and 4 HFNC3-38S (supplied with the kit).

SG36/42



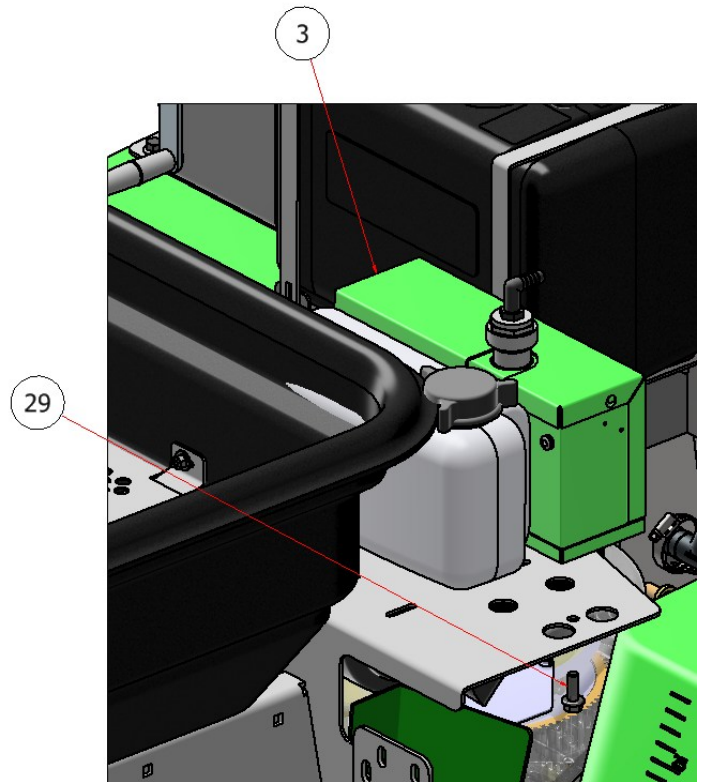
STEP 4: Attach the upper support bracket to the lower bracket & fuel tank support.

PARTS LIST			
ITEM	QTY	PART NUMBER	TITLE
1	1	R22-060	SG FOAM MARKER MOUNT
7	4	CB-3834SS	CARRIAGE BOLT, SS - 3/8-16 x 3/4
8	2	HFNC3-38S	HEX FLANGE NUT, SS - 3/8-16
9	2	CB-1434	CARRIAGE BOLT, 1/4 X 3/4
10	2	HFNC3-25S	HEX FLANGE NUT, 1/4



1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

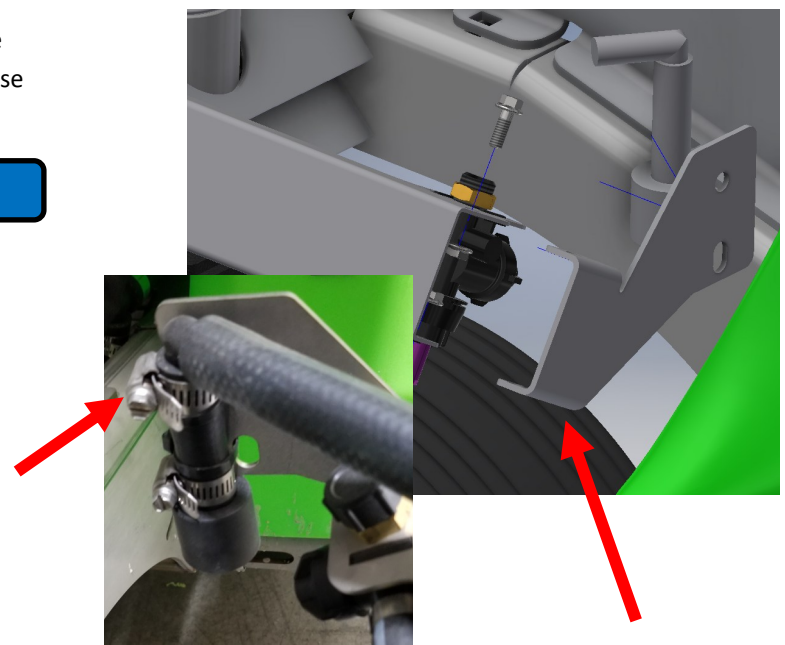
STEP 5: Attach the fm assembly to the support bracket



PARTS LIST			
ITEM	QTY	PART NUMBER	TITLE
3	1	X31001	FOAM MARKER, 1 GALLON
29	2	HFSSC-381	HEX FLANGE BOLT, SS - 3/8-16 x 1

STEP 6: Attach the foam marker bracket to the end of the boom and fasten the foam marker to the bracket with hose clamps. HFSSC-1475 (2) & IFI-10.25-20 (2)

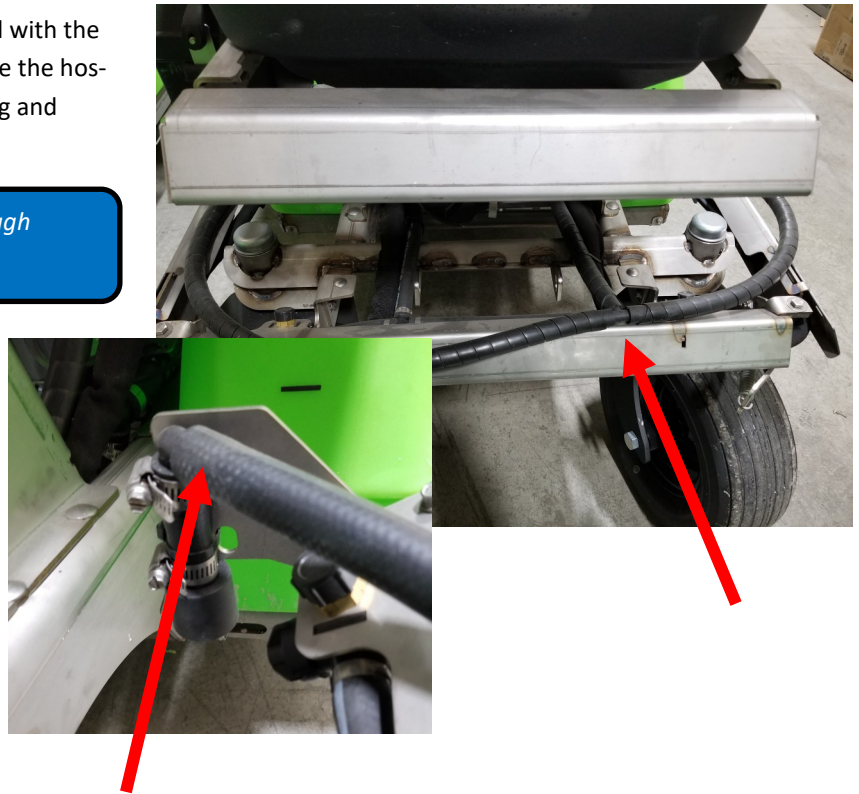
NOTE: Repeat step three for the other side of the boom.



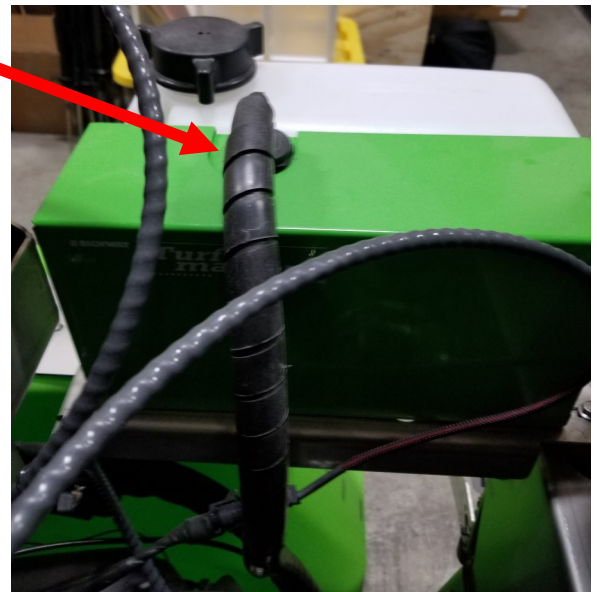
1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

STEP 7: Cut the provided hose to length as needed with the “tee” fitting positioned to the right as shown, route the hoses across the boom and connect to the “tee” fitting and foam markers as shown.

NOTE: Before cutting hoses, be sure to allow enough length to extend and fold the boom on both sides.



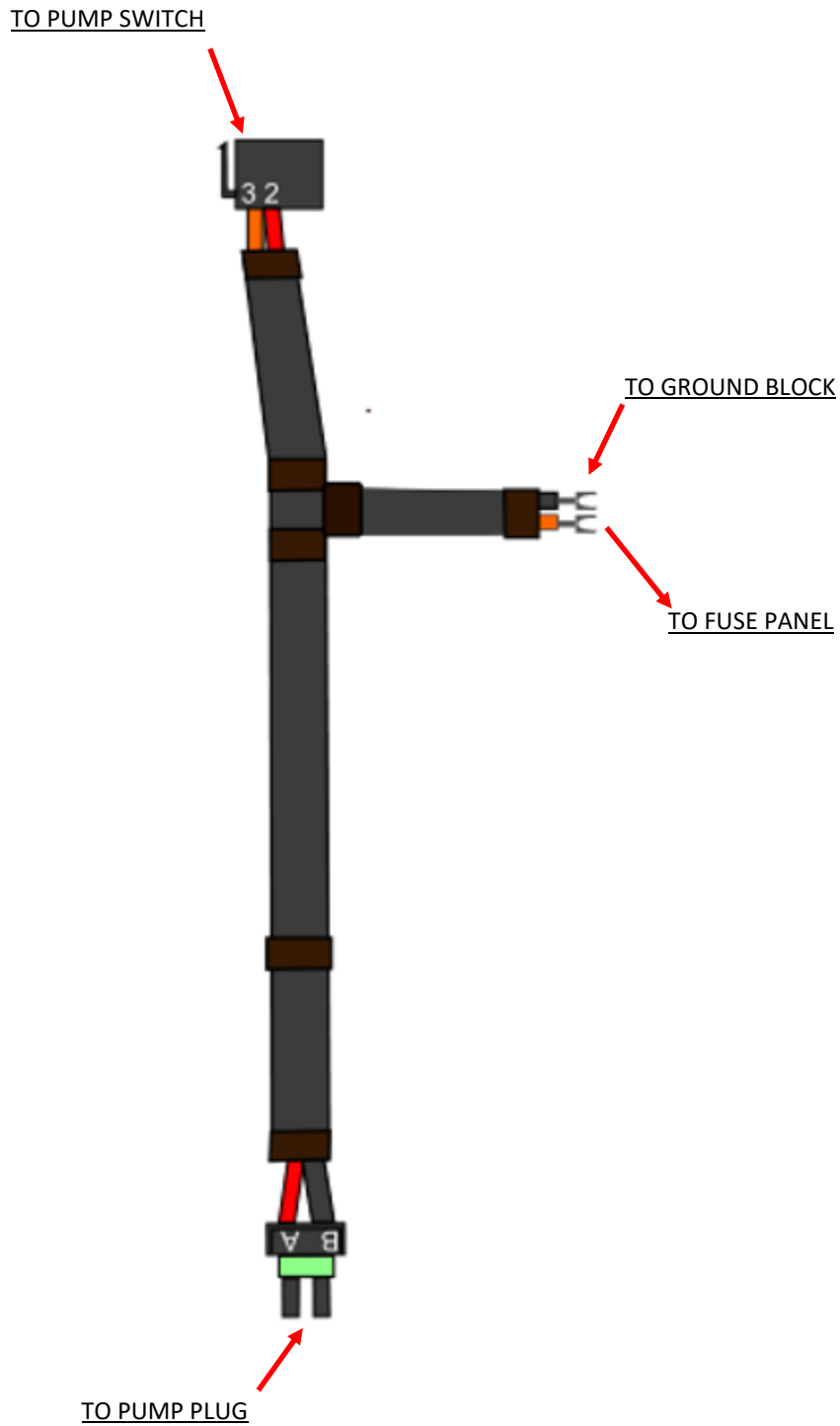
STEP 8: Cut the provided hose to length as needed and route it from the “tee” fitting, along the frame, and connect it to the foam marker pump.



1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

WIRING HARNESS

SG-7G1-2

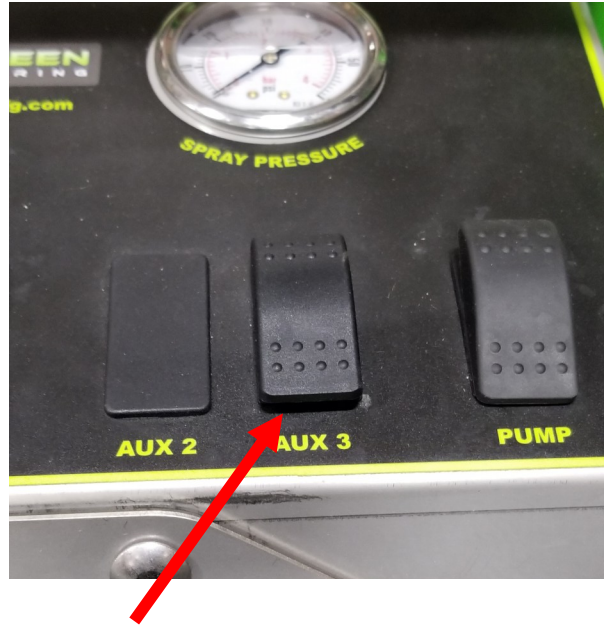


1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

STEP 9:

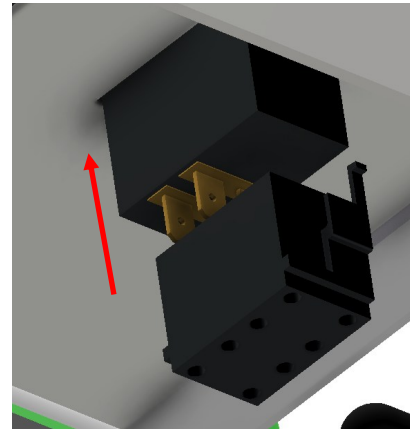
- Using an exacto or utility knife, cut the dash decal to reveal the opening for the “AUX 3” position.
- Attach the “rocker switch” to the dash panel.

NOTE: *The long side of the rocker switch should face down.*



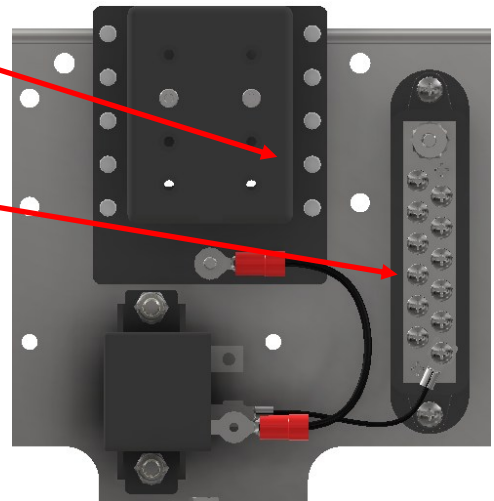
STEP 10:

- Plug the wiring harness into the rocker switch.



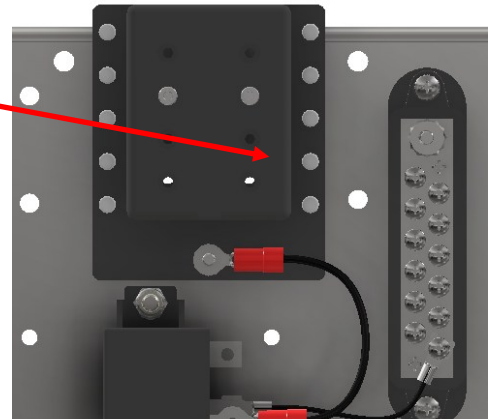
STEP 11:

- Connect the power wire to port 9 on the fuse block (See Fig. 1).
- Connect the ground wire to the ground block.



1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

- Attach the proper fuses according to the chart
- Attach the clear cover to the fuse block.



PORT	SG 52 SERIES FUSE BLOCK		PORT
1	SPRAY PUMP 1 25 AMP	USB PORT 5 AMP	6
2	SPRAY PUMP 2 25 AMP	SPRAY PUMP SWITCH 25 AMP	7
3	7 GAL. LEFT 25 AMP	SPEEDOMETER 1 AMP	8
4	7 GAL. RIGHT 25 AMP	FOAM MARKER 25 AMP	9
5	HSA 10 AMP	HEADLIGHT 10 AMP	10

Fig. 1

STEP 12: Connect the plug from the harness to the foam marker pump plug.



1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

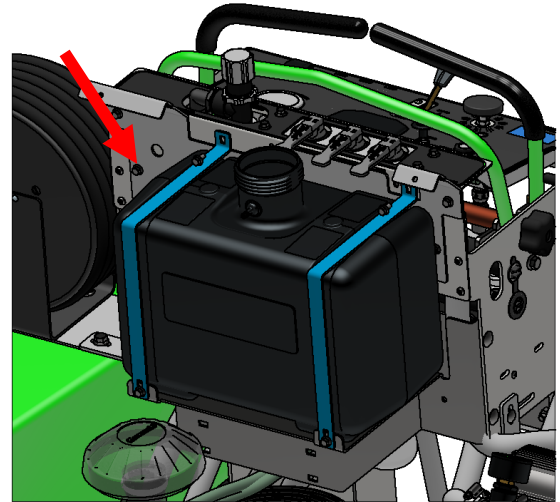
STEP 13: Reinstall the fuel tank.

CAUTION!

- Beware of excess fuel in the lines.
- Fuel spillage.

WARNING!

- Flammable gas.



ENGINE SUPPLY LINE

PRESSURE RELIEF



STEP 14: Reconnect the battery, *power wire* first along with the *pump power wire* from the wiring harness, and then reconnect the *ground wire*.



GROUND

POWER

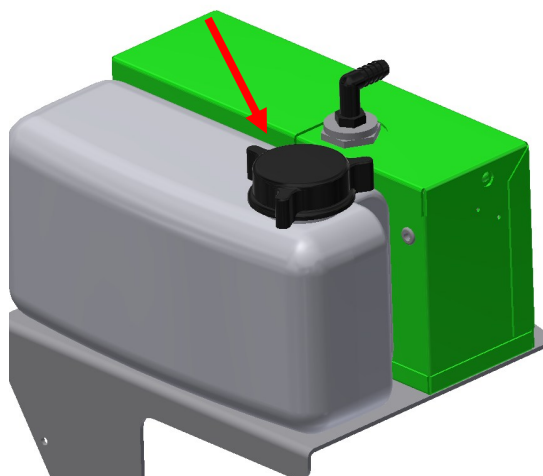
1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

OPERATION

FILLING THE TANK

CAUTION!

- *Wear safety goggles & all proper clothing when operating, servicing or refilling this machine.*
 - *Always read & follow manufactures recommendations when handling any chemical.*
 - *Do not pump combustibile liquids or vapors with this product.*
 - *When filling the tank, add WATER FIRST and then FOAMING AGENT.*
- Be sure the power is off and remove the cap from the top of the tank.
 - Starting with a small amount of water (2 gal.), mix the foam concentrate according to the label directions on the foaming agent. If considerably more concentrate is needed above the manufacturer's suggested ratio (usually 2-5 ounces per gallon) to produce good foam, use of a softener or soft water may be required. If the foam is too stiff or (dry), it may surge out at irregular intervals. Under this condition. Add water until the foam becomes more wet.
 - Replace the cap on the tank.



NOTE: *Mixing foam takes some experience. Different water sources may require different amounts of concentrate to obtain the desired foam density. Water hardness, pH, and impurities will affect the rate of concentrate required for a consistent, long-lasting foam.*

Different conditions may require different mixing ratios to produce desirable results. It's worthwhile to determine the proper foam/water mixing ratio for your water source with the initial filling. Doing so will save time in the future and aid in consistent foam quality.

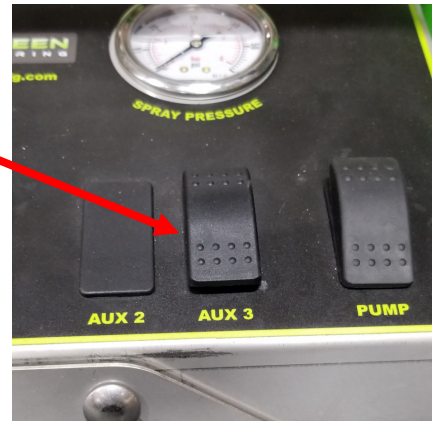
If hard water is a problem, commercial softening agents are available. You can make your own softening agent by dissolving a commercial water softening powder (available at most grocery stores) in hot water and adding a portion of the mixture to your tank each time you fill. Experimentation will reveal the correct amount to use. A good starting point is 1-1/2 ounces per gallon of water.

Mix ratios for foam concentrates advertised as 80:1 or 160:1 must be adjusted for use with your water. Such ratios are only a guideline.

Heat, humidity, & wind will also affect the life of the foam. Using a good quality marking agent, such as RUNWAY, may be very important. Liquid dish detergent also works in the foam marker system. You will have to experiment with detergents before using on any special turf applications.

1 GAL. FOAM MARKER ASSEMBLY INSTRUCTIONS

- Start the machine and activate the foam marker and let it prime until it starts dropping suds.



TROUBLE SHOOTING

PROBLEM	SOLUTION
NOT ENOUGH FOAM	<ul style="list-style-type: none"> ADD MORE FOAM CONCENTRATE TO THE TANK. CHECK FOR HOLES IN THE AIR LINE. CHECK FOR PINCHED AIR OR LIQUID LINES. CLEAN SCREEN-STRAINER/FOAM HEAD. ADJUST THE LIQUID FLOW CONTROL VALVE.
WET FOAM	<ul style="list-style-type: none"> ADD MORE FOAM CONCENTRATE TO THE TANK. CLEAN SCREEN-STRAINER/FOAM HEAD. REDUCE LIQUID FLOW
FOAM IS SURGING	USE LESS CONCENTRATE.
FOAM DOES NOT LAST LONG ON THE GROUND	<ul style="list-style-type: none"> ADD MORE FOAM CONCENTRATE TO THE TANK. USE A HIGH QUALITY FOAM CONCENTRATE LIKE RUNWAY. USE COLLECTOR HEADS.
BLOWING FOAM IN WENDY WEATHER	<ul style="list-style-type: none"> USE LESS CONCENTRATE TO MAKE WETTER FOAM. ADD MORE WATER TO FOAM SOLUTION INCREASE THE LIQUID FLOW.



MADE IN THE USA

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MANUAL PART NO.	MANUAL REV.	DESCRIPTION	KIT PART NO.
SGM-001	5	1 GALLON FOAM MARKER KIT	P10011