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# SMA100GC

(Skid Mount Aluminum, 100USG, Gas/Centrifugal)



## Assembly, Parts and Operator's Manual

Version SMA1805

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## Safety

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Many people die or suffer serious injury in job related accidents every year due to carelessness. Know your machinery and be aware of potential hazards. Put safety first in all your operations.

Review all instructions and procedures outlined in this manual annually. *Every operator must familiarize him or herself with the operating instructions of the sprayer.*

### Operational Safety

Shut down sprayer and power unit and wait for all parts to stop before adjusting, cleaning, or lubricating the power unit or sprayer.

Before spraying a field, familiarize yourself with any rocks, debris, trees, ditches or gullies that may potentially be dangerous. Plan the spraying route to avoid these hazards.

Spray only chemicals that the unit was designed to spray (i.e. turf application). Do not use products for which the unit was not designed to spray (i.e. paint, sealants, cleaning fluids, dust inhibitors, ice surfaces, etc.).

### Minimize Chemical Drift

Drift can blow off a field after it has been sprayed, especially in high winds. Reasonable caution should be taken in order to spray effectively and safely.

(With optional covered boom attachment)

**For maximum drift control, keep curtain in contact with the ground to ensure a seal to it. Drift control of the covered boom is less effective when the wind blows the curtain off the crop canopy and breaks the seal between the curtain and the spray area.**

## General Spraying Information

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### Application Tips

Always use clean filtered water in the sprayer tank.

Your **Rogers Sprayers Inc. Skid Mount Sprayer** comes standard with 80 degree stainless steel or ceramic insert tips. Please contact your manufacturer or see the application rate table in this manual for various sizes of tips available for your machine.

Check the flow rate from all nozzles using the capacity calibration technique; see the calibration section for tables and instructions. Use clean filtered water for all calibration testing. Adjust the sprayer pressure to get the proper flow rate.

<b>Caution:</b>	Conventional tips are rated at 40 psi (3 bar); For example, a 8004 tip at 40 psi (3 bar) delivers 0.4 US gal/min (1.5 litres/min) . Only conventional 80° tips are recommended for the <b>Skid Mount Sprayer</b> . Wider angle tips (i.e. 110°) can be used in the boom configuration, but the height needs to be adjusted to achieve proper overlap. 110° tips CANNOT be used with the wind deflector attachments.
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## Nozzles

Despite being the most important component for accurate uniform spraying application, nozzles are often neglected and abused.

Nozzle flow rate depends on effective orifice size and pressure. Spray tip manufacturers have supplied tables of nozzle application rates at various pressures; For the best results, it is recommended that you follow these guidelines.

A rule of thumb is that as you increase the pressure to your unit, the average droplet size decreases. Normally with conventional open boom sprayers, large droplets are used to control drift, but large droplets can roll off plants without sticking. With the optional covered spray system, you will be able to spray with smaller droplets, increase coverage and not worry about drift.

The spray patterns must overlap for even coverage but should not interfere with one another. Nozzles are set at a 10° angle so that one edge of its pattern will be just behind the edge of its adjacent spray pattern, evading interference with one another.

Typically as a tip wears, the spray pattern distorts, output volumes usually increase and the droplet characteristics change. Recalibration may correct for output changes but cannot correct for spray pattern changes or the drop size generated. Replacement tips can be purchased through Rogers Sprayers Inc. parts department.

**Be cautious as this could possibly happen when using the wind breaker attachment:**

When spraying next to a flower bed, do not spray over the turf edge as the spray will go under the curtain and onto the flowers.

## Diaphragm Check Valve Nozzle Bodies

Diaphragm check valves close at approximately 20 psi (1.4 bar) to prevent excessive dripping from the tip after the sprayer has been turned off. Should the tip continue to drip, stop the leak by either tightening the check valve cap or removing the cap in order to inspect the seal for damage, excessive wear, or improper assembly.

To check for defective check valves when the spraying stop control has been actuated, the volume that drips from each nozzle should not exceed 2ml timed over a 5 minute period. The measuring is to start 8 seconds after the flow to the spray boom is shut off.

Nozzle caps are attached by engaging the cap and turning clockwise about one third of a turn. Self-aligning caps have a slot to align the tips. Ensure that the tips are pressed down into the slotted hole before installing caps on the nozzle body.

Non-aligning caps are also available for special tips.

## American Application Rates at 20" Nozzle Spacing

### 80 Degree Tips

Rogers Part #	Tip Number	Tip Mfg	Liquid	Liq.	Cap.	U. S. GALLONS PER ACRE					U. S. GALLONS PER 1000 SQ. FT.				
			Press	Press	/noz.	2.5	3	4	5	7	2.5	3	4	5	7
			psi	bars	gpm	mph	mph	mph	mph	mph	mph	mph	mph	mph	mph
01369	8001VS  (100 mesh)	Teejet	30	2.07	0.087	10.3	8.6	6.4	5.1	3.7	0.24	0.20	0.15	0.12	0.08
			40	2.76	0.100	11.9	9.9	7.4	5.9	4.2	0.27	0.23	0.17	0.14	0.10
			50	3.45	0.112	13.3	11.1	8.3	6.6	4.7	0.30	0.25	0.19	0.15	0.11
			60	4.14	0.122	14.5	12.1	9.1	7.3	5.2	0.33	0.28	0.21	0.17	0.12
00827  13351	80015VS or API-80015  (100 mesh)	Teejet  Albuz	30	2.07	0.130	15.4	12.9	9.6	7.7	5.5	0.35	0.29	0.22	0.18	0.13
			40	2.76	0.150	17.8	14.9	11.1	8.9	6.4	0.41	0.34	0.26	0.20	0.15
			50	3.45	0.168	19.9	16.6	12.5	10.0	7.1	0.46	0.38	0.29	0.23	0.16
			60	4.14	0.184	21.8	18.2	13.6	10.9	7.8	0.50	0.42	0.31	0.25	0.18
05876  14384	8002VS or AXI-8002  (50 mesh)	Teejet  Albuz	30	2.07	0.173	20.6	17.1	12.9	10.3	7.3	0.47	0.39	0.29	0.24	0.17
			40	2.76	0.200	23.8	19.8	14.9	11.9	8.5	0.54	0.45	0.34	0.27	0.19
			50	3.45	0.224	26.6	22.1	16.6	13.3	9.5	0.61	0.51	0.38	0.30	0.22
			60	4.14	0.245	29.1	24.2	18.2	14.5	10.4	0.67	0.56	0.42	0.33	0.24
05877  14385	8003VS or AXI-8003  (50 mesh)	Teejet  Albuz	30	2.07	0.260	30.9	25.7	19.3	15.4	11.0	0.71	0.59	0.44	0.35	0.25
			40	2.76	0.300	35.6	29.7	22.3	17.8	12.7	0.82	0.68	0.51	0.41	0.29
			50	3.45	0.335	39.8	33.2	24.9	19.9	14.2	0.91	0.76	0.57	0.46	0.33
			60	4.14	0.367	43.6	36.4	27.3	21.8	15.6	1.00	0.83	0.62	0.50	0.36
05878  14061	8004VS or AXI-8004  (50 mesh)	Teejet  Albuz	30	2.07	0.346	41.2	34.3	25.7	20.6	14.7	0.94	0.79	0.59	0.47	0.34
			40	2.76	0.400	47.5	39.6	29.7	23.8	17.0	1.09	0.91	0.68	0.54	0.39
			50	3.45	0.447	53.1	44.3	33.2	26.6	19.0	1.22	1.01	0.76	0.61	0.43
			60	4.14	0.490	58.2	48.5	36.4	29.1	20.8	1.33	1.11	0.83	0.67	0.48
05879  14386	8005VS or AXI-8005  (50 mesh)	Teejet  Albuz	30	2.07	0.433	51.4	42.9	32.2	25.7	18.4	1.18	0.98	0.74	0.59	0.42
			40	2.76	0.500	59.4	49.5	37.1	29.7	21.2	1.36	1.13	0.85	0.68	0.49
			50	3.45	0.559	66.4	55.3	41.5	33.2	23.7	1.52	1.27	0.95	0.76	0.54
			60	4.14	0.612	72.7	60.6	45.5	36.4	26.0	1.67	1.39	1.04	0.83	0.59
05880  14387	8006VS or AXI-8006  (50 mesh)	Teejet  Albuz	30	2.07	0.520	61.7	51.4	38.6	30.9	22.0	1.41	1.18	0.88	0.71	0.50
			40	2.76	0.600	71.3	59.4	44.6	35.6	25.5	1.63	1.36	1.02	0.82	0.58
			50	3.45	0.671	79.7	66.4	49.8	39.8	28.5	1.82	1.52	1.14	0.91	0.65
			60	4.14	0.735	87.3	72.7	54.6	43.6	31.2	2.00	1.67	1.25	1.00	0.71

### Capacity of the SMA100GC (Skid Mount Sprayer)

With the SMA100GC at reasonable rpm of the engine, you should be able to almost any size of tip and still have good agitation back into the tank. There are 2 ways of returning fluid back to the tank( via electric regulator and manual throttle valve), if possible work at getting those balanced when you are using your most common tip.

## Metric Application Rates at 20" Nozzle Spacing (0.5 meters)

### 80 Degree Tips

Rogers Part #	Tip Number	Tip Mfg	Liquid Press psi	Liquid Press bars	Cap /noz. gpm	U. S. GALLONS PER ACRE					Liters/Hectare				
						2.5	3	4	5	7	4	4.8	6.4	8	11.2
						mph	mph	mph	mph	mph	kph	kph	kph	kph	kph
01369	8001VS (100 mesh)	Teejet	30	2.07	0.087	10.3	8.6	6.4	5.1	3.7	96	80	60	48	34
			40	2.76	0.100	11.9	9.9	7.4	5.9	4.2	111	93	69	56	40
			50	3.45	0.112	13.3	11.1	8.3	6.6	4.7	124	103	78	62	44
			60	4.14	0.122	14.5	12.1	9.1	7.3	5.2	136	113	85	68	49
00827 or 13351	80015VS API-80015 (100 mesh)	Teejet Albuz	30	2.07	0.130	15.4	12.9	9.6	7.7	5.5	144	120	90	72	52
			40	2.76	0.150	17.8	14.9	11.1	8.9	6.4	167	139	104	83	60
			50	3.45	0.168	19.9	16.6	12.5	10.0	7.1	186	155	116	93	67
			60	4.14	0.184	21.8	18.2	13.6	10.9	7.8	204	170	128	102	73
05876 or 14384	8002VS AXI-8002 (50 mesh)	Teejet Albuz	30	2.07	0.173	20.6	17.1	12.9	10.3	7.3	192	160	120	96	69
			40	2.76	0.200	23.8	19.8	14.9	11.9	8.5	222	185	139	111	79
			50	3.45	0.224	26.6	22.1	16.6	13.3	9.5	248	207	155	124	89
			60	4.14	0.245	29.1	24.2	18.2	14.5	10.4	272	227	170	136	97
05877 or 14385	8003VS AXI-8003 (50 mesh)	Teejet Albuz	30	2.07	0.260	30.9	25.7	19.3	15.4	11.0	289	240	180	144	103
			40	2.76	0.300	35.6	29.7	22.3	17.8	12.7	333	278	208	167	119
			50	3.45	0.335	39.8	33.2	24.9	19.9	14.2	373	310	233	186	133
			60	4.14	0.367	43.6	36.4	27.3	21.8	15.6	408	340	255	204	146
05878 or 14061	8004VS AXI-8004 (50 mesh)	Teejet Albuz	30	2.07	0.346	41.2	34.3	25.7	20.6	14.7	385	321	240	192	137
			40	2.76	0.400	47.5	39.6	29.7	23.8	17.0	444	370	278	222	159
			50	3.45	0.447	53.1	44.3	33.2	26.6	19.0	497	414	310	248	177
			60	4.14	0.490	58.2	48.5	36.4	29.1	20.8	544	453	340	272	194
05879 or 14386	8005VS AXI-8005 (50 mesh)	Teejet Albuz	30	2.07	0.433	51.4	42.9	32.2	25.7	18.4	481	401	301	240	172
			40	2.76	0.500	59.4	49.5	37.1	29.7	21.2	555	463	347	278	198
			50	3.45	0.559	66.4	55.3	41.5	33.2	23.7	621	517	388	310	222
			60	4.14	0.612	72.7	60.6	45.5	36.4	26.0	680	567	425	340	243
05880 or 14387	8006VS AXI-8006 (50 mesh)	Teejet Albuz	30	2.07	0.520	61.7	51.4	38.6	30.9	22.0	577	481	361	289	206
			40	2.76	0.600	71.3	59.4	44.6	35.6	25.5	666	555	417	333	238
			50	3.45	0.671	79.7	66.4	49.8	39.8	28.5	745	621	466	373	266
			60	4.14	0.735	87.3	72.7	54.6	43.6	31.2	816	680	510	408	292

## Calibration

As a tip wears, recalibration may be required. Collect the output from each nozzle for 60 seconds using an accurate measuring cup. Use clear water for all testing. Record the output from each nozzle. Replace nozzles that are more than 5% above or below the average reading or that have a visibly distorted pattern.

Run a speed test in the area to be sprayed. The sprayer must be up to speed before starting the test run. To determine the speed, mark off a distance as found on one of the tables. Operate the sprayer over this distance, carefully noting and recording the time to cover the distance. The speed traveled can be found for the specific distance and time to travel using the tables below.

After the nozzles have been individually checked and matched, the sprayer should be calibrated to determine the correct speed for the desired application volume. To get area covered multiply the width (i.e. BK10 – 10ft(3.04m), BK12 – 12ft (3.66m) x distance).

**Table 1:** Time in Seconds to Travel Distance of:

	10	25	50	100	200
mph	(ft)	(ft)	(ft)	(ft)	(ft)
1	6.8	17.0	34.1	68.2	136.0
1.5	4.5	11.4	22.7	45.5	90.9
2	3.4	8.5	17.0	34.1	68.2
2.5	2.7	6.8	13.6	27.3	54.5
3	2.3	5.7	11.4	22.7	45.5
4	1.7	4.3	8.5	17.0	34.1
5	1.4	3.4	6.8	13.6	27.3
6	1.1	2.8	5.7	11.4	22.7

**Table 2:** Time in Seconds to Travel a Distance of:

	10	25	50	100	200
Km/h	(m)	(m)	(m)	(m)	(m)
1	36.0	90.0	180.0	360.0	720.0
1.5	24.0	60.0	120.0	240.0	480.0
2	18.0	45.0	90.0	180.0	360.0
2.5	14.4	36.0	72.0	144.0	288.0
3	12.0	30.0	60.0	120.0	240.0
4	9.0	22.5	45.0	90.0	180.0
5	7.2	18.0	36.0	72.0	144.0
6	6.0	15.0	30.0	60.0	120.0

**Note:** Tip pressure is usually less than the pressure at the pump. Losses occur in valves, hoses, etc. Always check the flow by the above calibration method.

## Assembly & Installation

For safety reasons, please do not try and install your SMA Skid with one person; a minimum of 2 people are required for assembly and installation. Remove skid mount (SMA) and boom (either BK10T or BK12T) from box or packaging. Use safe location on frame for lifting and moving the skid around.

Stand unit up using legs and pins as seen in Figure 1.



Figure 1. SMA100GC



Figure 2. Fold Legs

Lift unit and set in rear of box.

Fold and pin legs for transport as seen in Figure 2 .

Using two people, lift the back of the unit and slowly slide into box of utility vehicle. Remove and fold back legs.



Figure 3. Tank Locks



Center sprayer in box and thread out tank locks so that skid is firmly in box. Use jam nut to hold threaded tank lock in place. Skid frame should be tight against the front of the box.

Figure 4. Battery Hookup

To hook up the electrical, you will need access to the battery of your work vehicle. The supplied wiring harness from the control box will have a power cord that will need to be installed on the terminals of the onboard battery. (A weather pak connector is used so that removal of the skid can be made without removing battery terminals). Connect the solenoids up via the supplier instruction manual, again there will be a disconnect to allow the control box to stay with the power unit if needed.

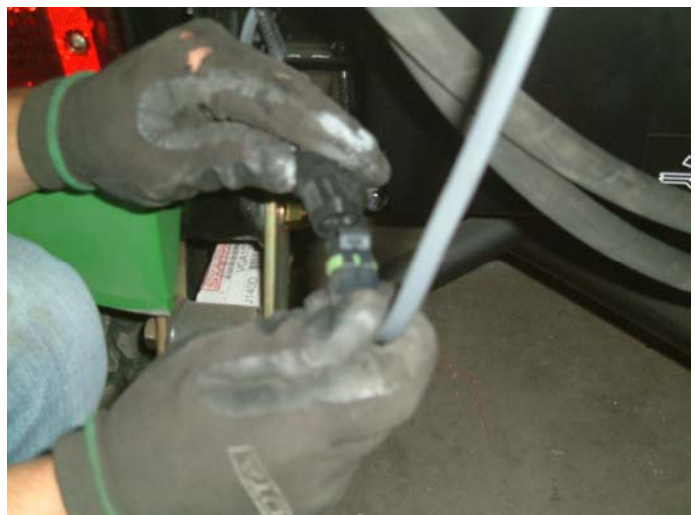




Figure 5. Control box install



SMA100E Pictured

The electric solenoid control box can be mounted at the front of the work vehicle.

SMA50E - Mount switch box in convenient location.

## **SMA100 or SMA50 (all models)**

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Install wires on the solenoid and regulator as per manufacturer's instructions.

Figure 6. Solenoid install



## Testing After Assembly

After assembling the spray boom, check for field readiness. Points to consider are:

- a) Remove the nozzle body caps with the spray tips and the tip screens. Flush the entire system with clear water. Install the tip screens and nozzle caps with spray tips. Check for proper alignment of the nozzle caps. Pressure test all the booms inspecting hose connections, nozzle caps, spray pattern and diaphragm nozzle bodies.
- b) Move all hinge or swivel joints through the full arc of movement. Check for interference and ease of movement.
- c) Check all fasteners to see that they are tightened firmly or allowed to pivot if required.
- d) Calibrate the sprayer.

## Last Check

- ⇒ Recheck all assembled parts for completeness and secure connections.
- ⇒ Your sprayer is now ready for a wet test to ensure complete operation.

## Operation

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Once the Skid frame is installed in the power unit, add clean water to the tank.

### **IMPORTANT:**

**Never fill the tank with the unit on its storage legs; the legs are not designed to withstand the water load and will break.**

Prior to starting, be sure that the ball valve from the bottom of the tank is OPEN to allow water into the pump (see figure 8 below shows valve in the CLOSED position). Completely open the pressure regulator (figure 9) on the side of the tank. Slowly close the pressure regulator until the pressure gauge reaches 40psi. Ideal spraying pressure is 40 psi. Once you can obtain +/- 40 psi with just using the control box adjustment, lock the pressure regulator by tightening the bottom ring. You will need to adjust the regulator as you change tip sizes.



Figure 8. Tank drain ball valve



Figure 9. Pressure Regulator

This unit is equipped with Tee Jet brand Triplex nozzle bodies. It is able to switch between 3 different nozzle tips by rotating the head around. Note: Only adjust the spray tips when the unit is not in operation/spraying. Make sure one of the nozzles is pointed towards the ground. If not, a nozzle will impact with the frame when placing the wing in an upright position.

If your unit is equipped with a Honda engine, consult the manual provided for operating instructions.

**Note:** The pump requires fluid flowing through it for lubrication. Do not run without fluid. The lack of fluid will cause your pump to overheat and prematurely wear.

## Breakaway Operation

Should the wing hit a large or fairly heavy object on the field, the wing will pivot back out of the way. Stop and shut off the sprayer immediately. Reset the boom manually after such an incident. Swing the boom forward and the catch mechanism will lock the boom in place. Note: Be aware of all pinch points while the boom is being reset.

## General Maintenance

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### Cleaning

Sprayers need to be cleaned to prevent corrosion and cross contamination of chemicals. Trace amounts of one chemical can react with another or carry over to the next spraying and cause crop damage, especially with pesticides. Long exposures with even small amounts of some chemicals can damage sprayer components either by corrosion or gum deposits. If you spray crops that are very susceptible to injury from the last chemical used (i.e. vegetables, turf, and ornamentals), clean the unit especially well.

Always try to end the day with an empty tank; avoid contamination of water supplies and injury to plants or animals. Do not make puddles that might be accessible to children, pets, farm animals, or wildlife. Flush with clean water preferably after each day's operation. If you plan to use the same material over several days, most chemicals may be kept in the tank overnight; labels on the chemical usually indicate those that may not. Rinse the outside of the sprayer. Surfactants combined with chemicals, when they are compatible, will provide some cleaning action in the sprayer.

Some chemical combinations (especially if oil is used) may produce a putty type paste (buttering out) in the sprayer tank and components; flushing with water after each load may prevent an accumulation. If water alone does not dissolve and remove the buildup, add solvent, kerosene, or other low flammable solvent; allow paste to dissolve, then agitate and flush. Next, flush with detergent and, finally, with clean water. Check with your chemical agent.

Whenever pesticides are changed, or before sprayer storage, clean sprayers thoroughly with a cleaning solution. The solution used depends on the chemical to be removed from the sprayer. Check the chemical label for cleaning instructions.

First flush with water, then add the cleaning solution to the tank and thoroughly agitate before flushing. Always flush with clean water to remove the cleaning solution. Remove nozzle tips and screens; clean them in a strong detergent solution or kerosene, using a soft brush such as an old toothbrush. Never use a metal probe to clean the orifice of a spray tip!

Follow the same safety precautions during cleaning as for applications. Use a respirator, rubber gloves, or other protective gear as may be directed by label instructions.

If a nozzle becomes blocked, turn the sprayer off. Note that the spray lines could still be pressurized; therefore, prior to removing the cap on the nozzle body, proper safety equipment should be worn, (i.e. gloves, eye protection, etc).

### Sunshine

Many plastic sprayer parts are degraded by ultra violet light, especially the nozzle flow indicators. Store the sprayer in the shade to extend the length of service.

### Winterizing

After the sprayer is thoroughly cleaned, put 2-5 gallons (7-19 litres) of rust inhibitor or antifreeze in the tank prior to the final flushing to help prevent corrosion. As the water is pumped from the sprayer, the antifreeze will leave a protective coating on the inside of the tank, pump, and plumbing. Remove nozzle tips, screens and no-drip valves (if used) and store them in a can of light oil such as diesel fuel or kerosene to prevent corrosion. Close nozzle openings with tape to prevent dirt, insects, mice, or other contaminants from entering.

During the final cleaning, completely check the sprayer. Look at the hoses, clamps, connections, nozzle tips, and screens for needed replacements. Store the sprayer in a reasonably clean and dry building.

# Trouble Shooting

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## Leaking Nozzles

If 1 or 2 tips drip until the line is empty, check:

- For deteriorated diaphragms
- For material under the diaphragm
- For a weak spring
- For a deterioration of the diaphragm sealing surface

If all tips spray for more than 3 seconds after shut off, check:

- To see if the sprayer shut off valve is leaking

If all tips spray for less than 3 seconds after shut off, check:

- For air accumulation in the line
- For swelling of the feed hoses

If the diaphragm leaks out the diaphragm spring body, check:

- For loose spring body
- For ruptured diaphragms
- For misaligned diaphragm
- For broken diaphragm body

## Wing Breaks Away Too Easily

Adjust the bolt on the top of the spring; tightening the bolt adds tension making it more difficult to breakaway.

## Striping

At end of Shroud – check:

- If tips are spraying at a greater angle than 80°.
- High tip pressure; over 40 psi (2.8 Bar), will cause a wider spray pattern by extending the spray pattern angle.

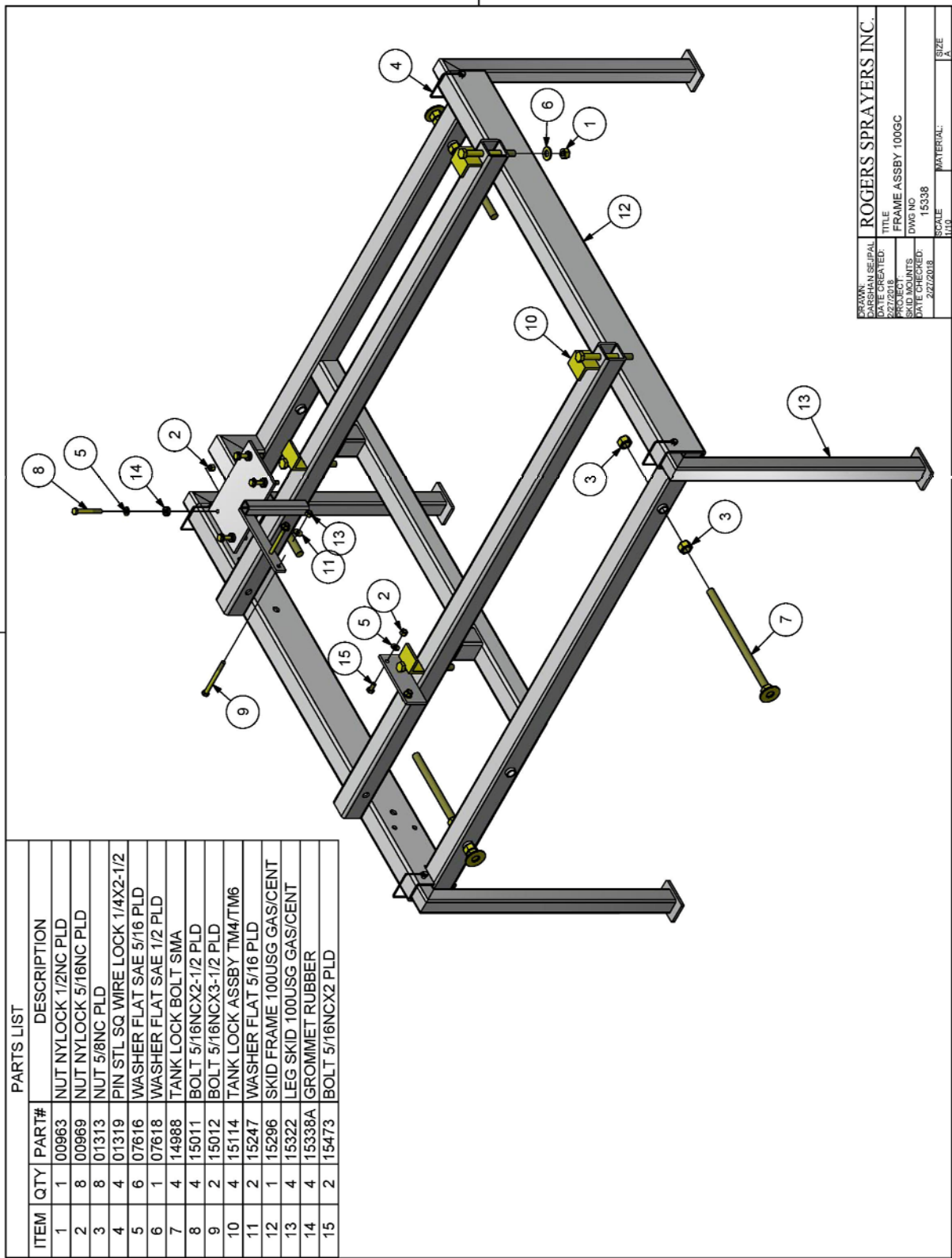
Between Tips – check:

- Low tip pressure will cause a narrower pattern. Actual tip pressure should be as close to 40 psi (1.7 - 2.8 bar) as possible.
- Check tip screens to see if they are plugged.

## Blocked Nozzles

If a nozzle becomes blocked, turn the sprayer off and completely fold up the spray boom (i.e. fold into transport position). Note that the spray lines could still be pressurized. Therefore prior to removing the cap on the nozzle body, proper safety equipment should be worn (i.e. gloves, eye protection, etc).

Frame Assembly SMA100GC



Plumbing Assembly SMA50E

ITEM QTY		PART#		DESCRIPTION	
1	2	01076		FTG POLY ELB ST 3/4 NPT	
2	1	01085		FTG POLY NIPPLE 1/2MNPT/MNPT	
3	2	01193		FTG POLY NIPPLE 3/4MNPT/MNPT	
4	1	01194		FTG POLY ADPT 1MNPTX1HB	
5	3	01235		FTG POLY ELB 1/2MNPTX1/2HB	
6	3	01243		FTG POLY ELB 3/4MNPTX1/2HB	
7	2	01245		FTG POLY ELB 3/4MNPTX3/4HB	
8	1	01251		VALVE BALL POLY 1 FNPT	
9	1	01252		STRAINER LINE 3/4FPT POLYGLASS	
10	2	01349		FTG POLY ADPT 3/4MNPTX3/4HB	
11	1	15586		SOLENOID ELEC. CONTROL 3 VALVE	
12	1	05531		FTG POLY ADPT 3/4MNPTX1HB	
13	1	05763		FTG POLY ELB ST 1 NPT	
14	2	05892		FTG POLY TEE 3/4NPT F/F/F	
15	1	06429		FTG POLY PLUG 1/4MNPT	

ITEM QTY		PART#		DESCRIPTION	
16	1	08158		FTG CAMLOCK 1MCAMX1MNPT	
17	1	12818		REGULATOR PRESSURE NYLON 1/2 SS	
18	1	14093		FTG CAMLOCK 1FCAM X1HB	
19	1	14361		FTG POLY ELB 1/2FNPTX1/2HB	
20	1	14409		PUMP CENTRIFUGAL GE-75 W/HONDA ENG	
21	1	15468		ENGINE HONDA GC160	
22	1	15768SM		TANK RECT 100 USG, SM	
24	1	05916		FTG POLY PLUG 3/4MNPT	

DRAWN: J. SEBASTIAN	ROGERS SPRAYERS INC.
DATE CREATED: 2/27/2018	TITLE: PLUMBING ASBY 100GC
PROJECT: 155339	DWG NO: 155339
DATE CHECKED: 2/27/2018	SCALE: 1:10
	MATERIAL: 155339
	SIZE: 1/4



**Rogers Sprayers Inc. (RSI)**  
141 - 105<sup>th</sup> Street East  
Saskatoon, SK S7N 1Z2 Canada



Tel.: (306) 975-0500 or (888) 975-8294  
Fax: (306) 975-0499  
Email: [info@rogerssprayers.com](mailto:info@rogerssprayers.com)

## ROGERS SPRAYERS INC OWNER WARRANTY AGREEMENT

**Windfoil** Drift Containment Spray Systems (DCSS) are warranted to be free of factory defects under normal and intended use for a period of one (1) year from date of purchase to the original purchaser. Equipment must be setup in accordance with factory instructions and operated, maintained and used in accordance with the operator's manual. Equipment used for rental has a warranty period of forty five (45) days. Any customization or modifications to the original equipment voids warranty immediately.

RSI reserves the right not to warranty any items that are not directly manufactured by RSI. Such components need to be returned to the factory for inspection and tested by either RSI or the original manufacturer for defects. Examples of these parts include actuators, engines, pumps and electrical systems.

### **All warranty Claims must be pre-authorized by the factory!**

To obtain warranty, all defective parts must be returned to the factory; in some cases, location of part might require only photo of defective part. RSI must be contacted to determine which route is required. RSI through its designated dealer or factory appointed representative will repair or replace, at its option, any or all parts that are proven to be defective free of charge.

RSI DOES NOT pay or reimburse for any travel time or investigation time to determine the defective part. Warranty labor will be based on the time required for RSI to replace only the part. Warranty labor rates and replacement times will be assessed yearly and will be included in a labor replacement sheet.

This warranty does not apply to damage caused by misuse, accident, acts of god, and/or operation without proper servicing. RSI will not be responsible for consequential damages; its liability is limited to replacement of parts.

Standard wear components (see list) such as belts, nozzles, screens, bearings, wheels, flow indicator bodies or flow indicator parts are only warranted for 30 days after original purchase.

RSI makes no other expressed, implied or statutory warranty; nor is anyone authorized to make any on our behalf.

### **Complete your Warranty Registration online at [www.rogerssprayers.com](http://www.rogerssprayers.com)**

The warranty registration is found on the Contact page of our website. The warranty registration **MUST** be filled out completely and submitted to RSI to activate the warranty. If you would prefer, a printable copy is also available online.

**It is our intention to manufacture durable, user-friendly products. Any suggestions you have as to how we may improve our equipment are greatly appreciated.**





### **Rogers Sprayers Inc.**

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Saskatoon, SK S7N 1Z2  
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