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MASTER
MANUFACTURING

ECONOMY ATV SPRAYER



SAO-H3-015B-MM
Rev 3 Sept. 2014

Note: Do not return product to the distributor/dealer for warranty work. Call Master Manufacturing at (800) 864-1649 for any warranty work or replacement parts.

INTRODUCTION

Your sprayer has been manufactured to provide years of dependable and efficient use. Proper operation and maintenance will ensure long satisfactory service. Study this manual carefully to become familiar with the operation and maintenance instructions.

Keep your manual in a safe, convenient place for future reference. Always mention the model and part number in any correspondence. To insure correct parts service be sure to use the part number and description when ordering.

ASSEMBLY

Please refer to the exploded part diagram for assembly steps below.

- 1) Check inside the sprayer tank and remove any foreign material.
- 2) Locate the two threaded brass inserts on the side of tank and install the two wand clips (item 19) to side of tank using two screws and tighten securely.
- 3) Install drain cap, tether and washer (items 5, 6, & 7) to drain port on sprayer tank.
- 4) Install tank lid (item 24) and tank lid tether to sprayer tank.
- 5) Locate Gun and coiled hose assembly (Item 21) it is attached onto 1/4" hose barb (Item 15) located on "T"-valve and secured with 1/4" hose clamp (Item 22). Snap spray gun into gun clips attached to tank on step two. (Figure 1 below) Slide locking clip on Pump into open position and slide the assembly into the pump. Slide the locking clip into lock position.
- 6) Locate boom assembly with hose (item 12) and screw onto GHV-1-BLK (Item 20) located on "T"-valve. (Figure 2 Below)
- 7) Place barrel of boom wand into the two wand clips located on the bracket next to the pump. Slide boom forward and back to set optimum spray height of approximately 36". Secure the boom clamp from moving with T-bolt (item 25).
- 8) To reposition boom, loosen T-bolt (item 25), move boom to desired location and retighten T-bolt. Do not over tighten.
- 9) Secure spray tank to trailer or ATV using ratchet straps provided. Ensure tank is securely fastened to vehicle and/or trailer or serious injury may result.
- 10) Attach the wiring harness (item 10) to the pump by locating the two connectors and pushing them together.

OPERATION

Operating power is obtained directly from a 12 VDC source. Be sure to connect the red to the positive (+) source and attach the black to the negative (-) source. Pump operation can be started and stopped with activation of the switch located on the wiring harness.

IMPORTANT: Before spraying chemicals, fill the tank half full of plain water to allow familiarization with the sprayer and to prevent waste of expensive chemicals.

SPRAYER MAINTENANCE

A sprayer is a carefully designed and built machine that should provide many years of reliable service if properly cared for, the main rule in caring for any sprayer is: **KEEP IT CLEAN.** Neglect costs dollars in repairs, wasted spray material and premature replacement of the sprayer.

CLEANING & STORAGE

Most spray materials are highly corrosive. The most important aspect of long dependable service from the sprayer is a thorough cleaning immediately following each use. In addition, the residue of one type of chemical could cause an undesirable effect when a different chemical is used for a different purpose.

The most effective cleaning method is to pump several rinses of clean water through the tank, pump, hoses, boom, spray gun, etc. A neutralizing agent such as a solution of Nutra-Sol, a detergent or household ammonia as recommended by the chemical manufacturer can assist in removal of a persistent chemical. After the system is thoroughly cleaned drain the tank, suction line, pump and hoses.

The following steps should be followed for the maintenance and storage of your sprayer.

1. Wash and flush out sprayer after completion of each phase of your program. Flush out sprayer when changing chemicals if there is a possibility of the chemicals being incompatible. Use of a detergent is advisable if the chemical manufacturer does not make specific cleaning recommendations. Flush system completely, including nozzles. Never use metal objects to open clogged nozzles.
2. Clean sprayer thoroughly before storing at the end of the spraying season. Permanent type anti-freeze added to the final rinse will leave a rust inhibiting film in parts of the sprayer.

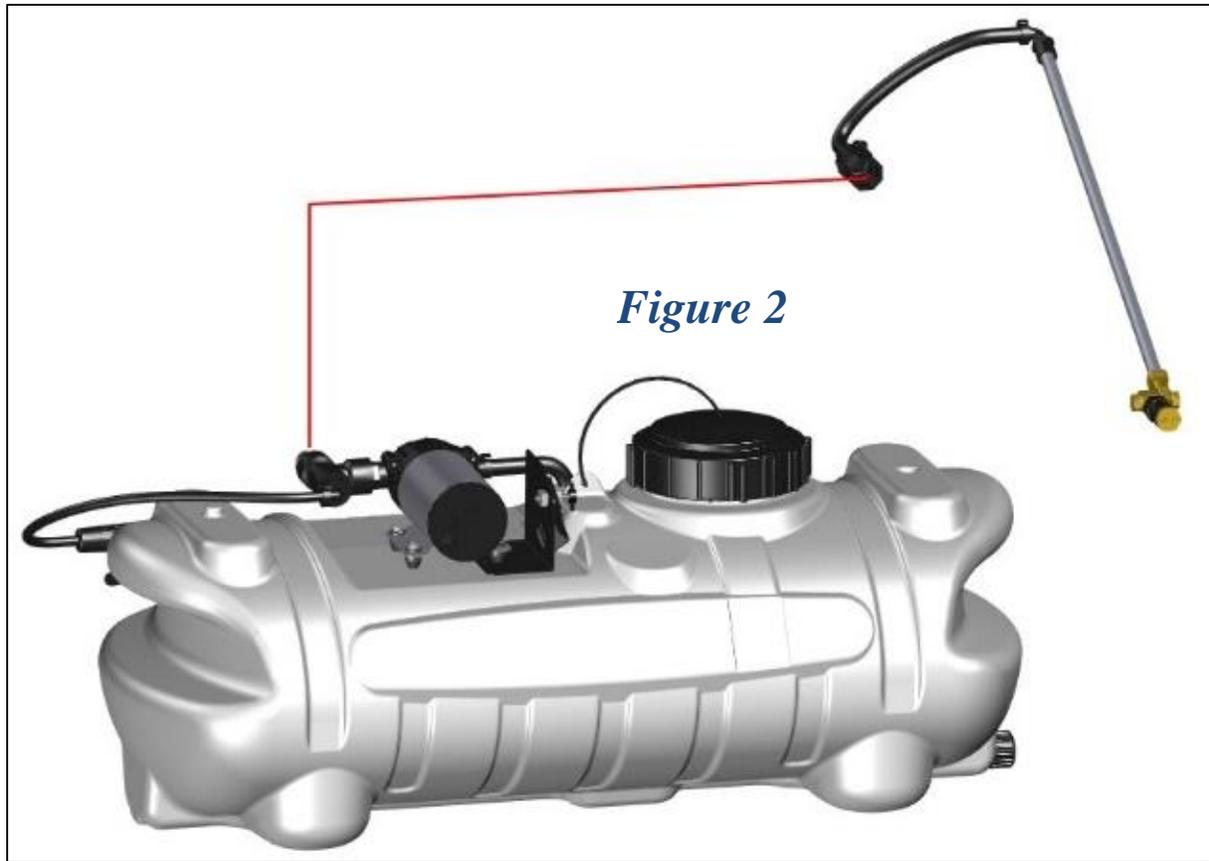
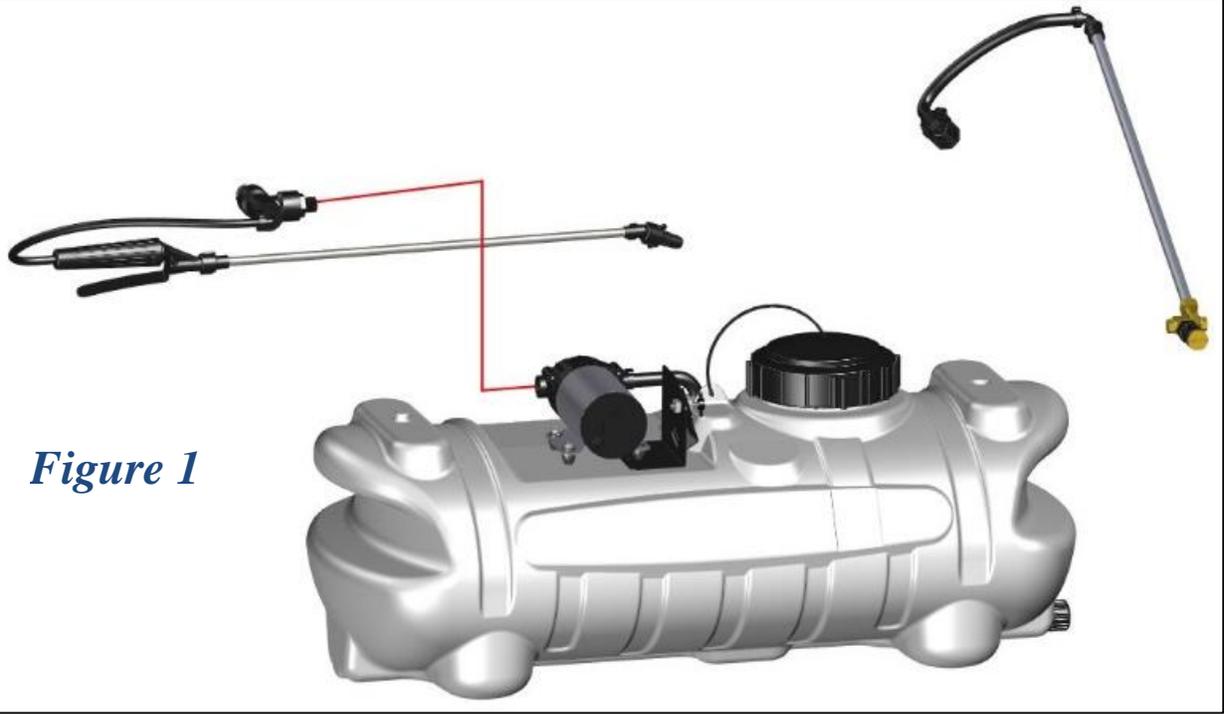
WARRANTY PARTS SERVICE

Products sold shall be warranted from defects in workmanship and material when used within the service and scope for which they were designed for a period of one year from date of purchase.

Warranty covers replacement parts ONLY. Contact Master Manufacturing for warranty parts at (800) 864-1649. Do not return product to your distributor/dealer. Please have your original sales receipt or other proof of purchase date when requesting any warranty parts. To ensure the correct parts are acquired always provide the model number of your sprayer/attachment and the part number and description obtained from the illustrated parts breakdown in this manual.

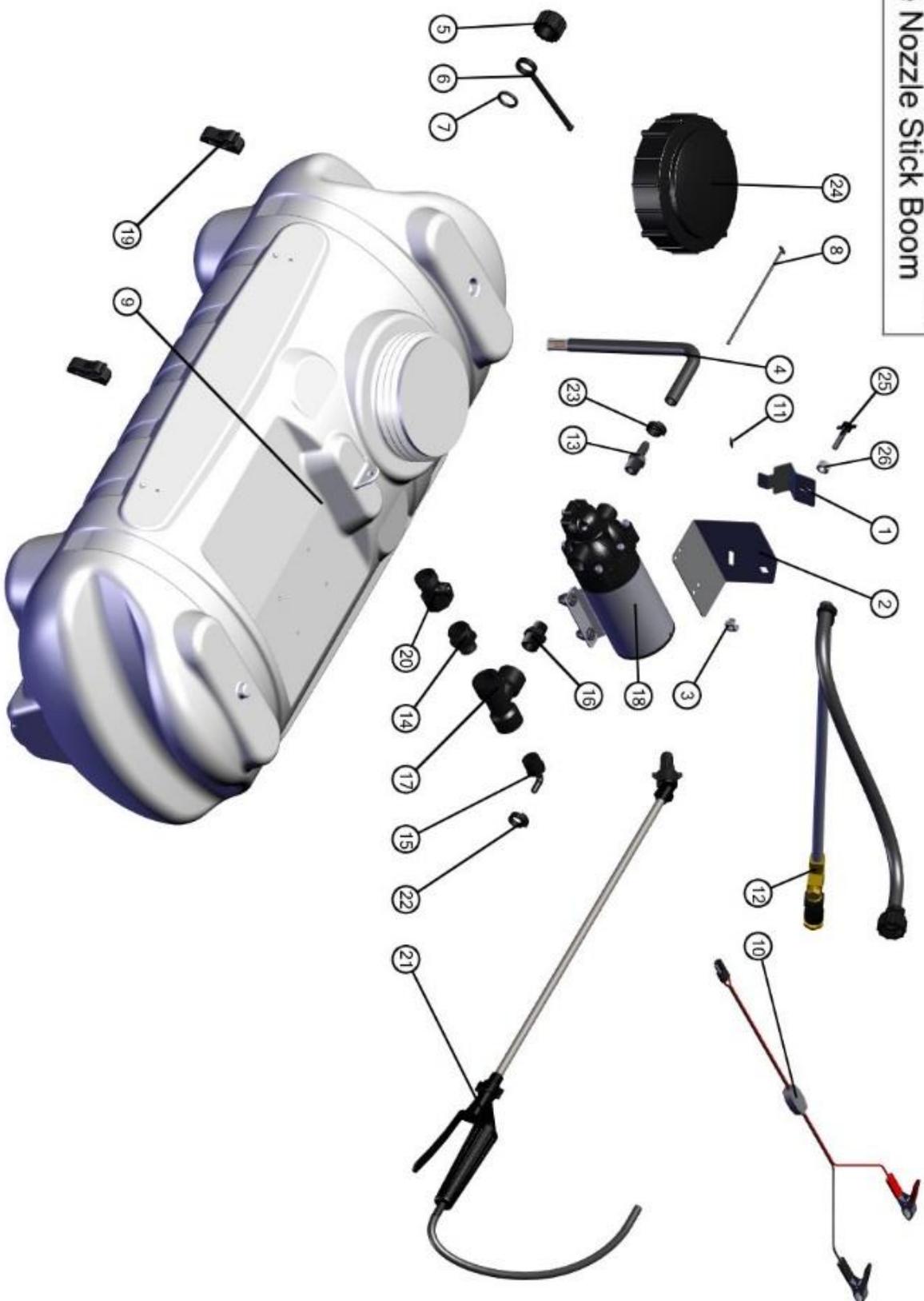
Gallons per Acre

PSI	Flow GPM	2 MPH	3 MPH	4 MPH	5 MPH	6MPH	7 MPH
40	2	31	21	16	12	10	9



SAO-H3-015B-MM

Sprayer, ATV, 15 Gal, 2.2EF,
Single Nozzle Stick Boom



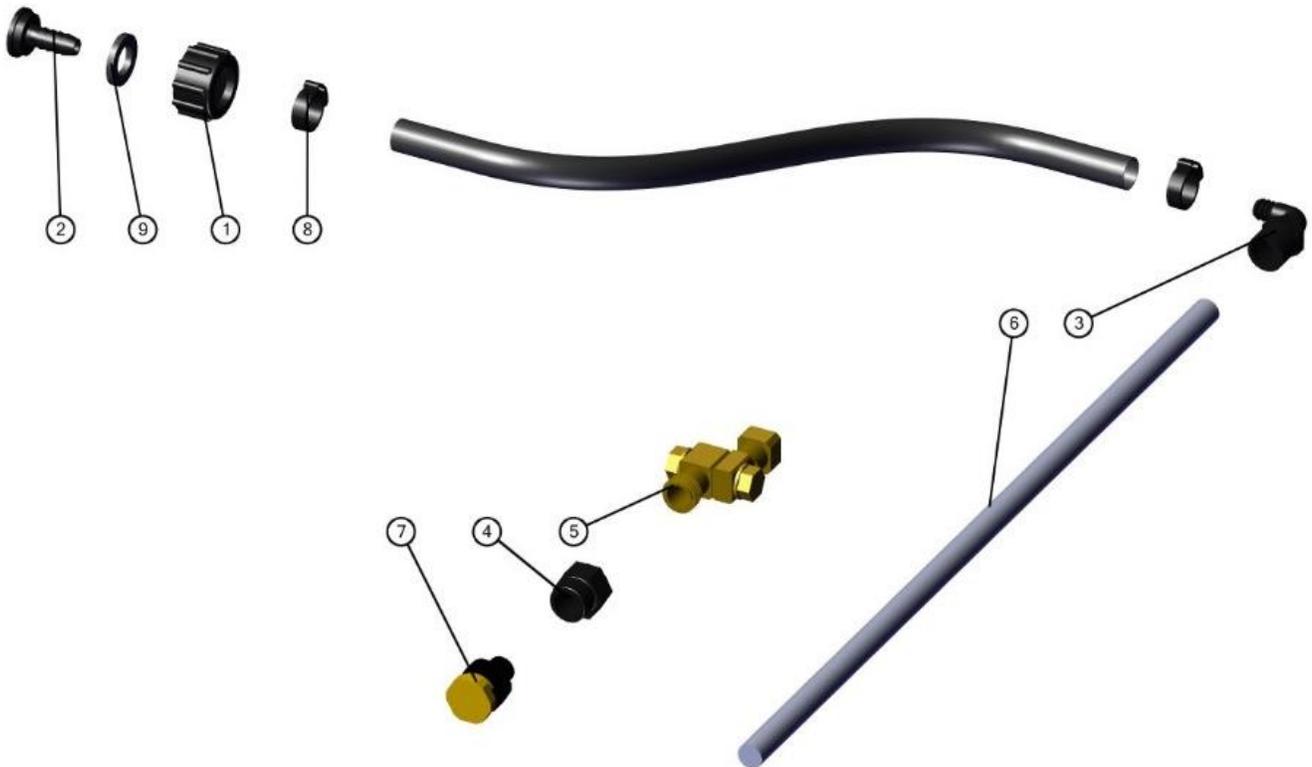
SAO-H3-015B-MM

Sprayer, ATV, 15 Gal, 2.2EF,
Single Nozzle Stick Boom

BOM ID	Name	Description	Qty
1	31-100193	Holder, 9 Gallon, Stick Boom	1
2	31-100314	Bracket, Mount, Stick Boom	1
3	33-100427	Nut, 1/4-20, Self Retaining	1
4	33-103133	Hose Assembly, 3/8" x 21", W/Fil	1
5	33-103218	Outlet Cap, 3/4" Black	1
6	33-103219	Tether, Drain Short Black	1
7	33-103220	Gasket, 3/4" SuperSeal	1
8	33-103222	Lanyard, Lid Short Black	1
9	33-103231	Tank, 15 Gal, Sprayer	1
10	33-103233	HARNES, WIRE, SS.	1
11	33-103583	Pad, Rubber w/Adhesive 1 side, 1/2" Widex 1/16" Think	1
12	34-140099	Kit, Stick Boom, ATV	1
13	3A38	3/8 BARB TO 3/8 MALE PIPE THEAD	1
14	3E3412	Adapter: 3/4"MGHT x 1/2"MPT Poly	1
15	3EL1214	Elbow: 1/2"MPT x 1/4"HB Poly	1
16	EF-QC-M12	Fitting, Adapter, QA x 1/2"MNPT, Black	1
17	3TT34	Tee: 3/4"PFT x 3/4"FPT x 3/4"FPT	1
18	EF2200	Pump, 2.2GPM Everflo	1
19	GC-100-KIT	CLIP, GUN (PAIR)	1
20	GHV-1-BLK	Valve, 3/4" FGHT x 3/4" MGHT	1
21	SG-4507F-14-REC15	Gun, Spray, Assy., 15' Recoil Hose, 1/4"	1
22	SHC-E	SNAPPER HOSE CLIP	1
23	SHC-F	SNAPPER HOSE CLIP	1
24	33-103221	LID, 5"W .25" Hole	1
25	TS-T-1-4-10-1.25	Screw, Thumb, "T", 1/4-20 x 1.25"	1
26	33-100187	Nut, Nylock, 1/4"	1

34-140099

Kit, Stick Boom, ATV



BOM ID	Name	Description	Qty
1	3B34	Swivel Nut: Knurled 3/4"FGHT	1
2	3C38	Flat Seat Hose Barb: 3/8"HB	1
3	3EL1438F	Elbow: 1/4"FPT x 3/8" HB Poly	1
4	3NF1614	Coupling: 11/16"FPS x 1/4"FPT	1
5	900.003	1/4" FNPT x m 11/16-16 Swivel	1
6	ALW-18	Wand Aluminum, 18"	1
7	BN2BP125FWX	Nozzle, No-Boom BP, 125 Full	1
8	SHC-F	SNAPPER HOSE CLIP	2
9	W406V	WASHER: 1"OD X 3/4" ID	1