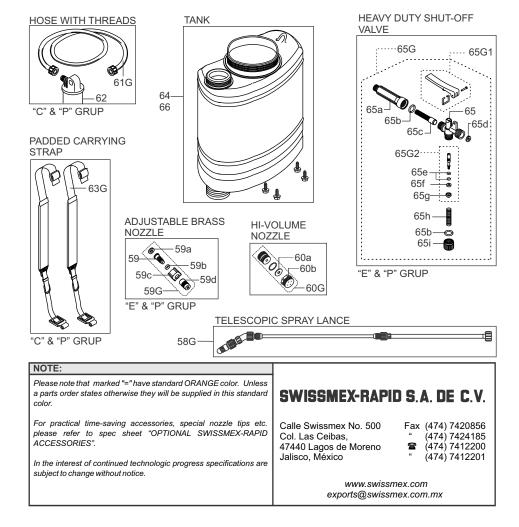
FACTORY-INSTALLED UPGRADE OPTIONS SPARE PARTS							
Part	Code	Description	Part	Code	Description		
58G	E219-236-C	Telescopic spray lance ass'y	62	E081-125	Pressure chamber		
59 59a 59b 59c 59d 59G	E803-092 E803-114 E803-083 E803-090 E803-087 E803-092-C	Nozzle body Gasket - N O´ring Nozzle nut (2pcs) Nozzle cap Nozzle body ass´y	65 65a 65b 65c 65d 65f 65g 65h 65j 65j	E803-061 Pin gasket - V   E803-065 Metal suport   E803-067 Plunger spring   E803-064 Cap	Filter housing O'ring Filter insert Gasket - N Oring - V (2pcs)		
60a 60b 60G	E219-134 E219-133 E219-610-C	Hi-volume nozzle gasket Hi-volume nozzle cap Hi-volume nozzle 11/16" thread aluminum			Metal suport Plunger spring Cap		
61G	E807-181-C	Hose with thread ass´y	050	L007-175-0	ass´y		
63G	E501-230-C	Padded carrying strap ass'y	65G1 65G2	E803-072-C E803-061-C	· · · · · · · · · · · · · · · · · · ·		
64 66	E189-505 E189-105	Yellow tank Blue tank			· · · · · · · · · · · · · · · · · · ·		



#### Dear Customer:

You have purchased one of the best knapsack sprayers on the market today. The Safety Hints from the label on your sprayer are repeated here for your protection. We urge you to read and observe them.

#### FOR YOUR SAFETY AND COMFORT:

- Before using, filling or cleaning any sprayer, read all parts of the operating hints.
- Make sure to set up the sprayer exactly as described in printed operating hints, on reminder tags and/or stickers.
- Wear protective clothing, respirator, gloves, eye protection, etc., whenever using, filling or cleaning the spraver.
- Periodically re-grease the lid gasket, lid yent and piston sleeve where applicable.
- To ensure good performance keep lid vent free of obstruction. Keep connections well thightened.
- Service and replace worn parts as required. Make sure the hose loops freely without kinking.
- Read and follow all instructions of chemical suppliers.
- Do not mix chemical formula inside the sprayer. Use separate container and fill the sprayer from there. Else -as when applying liquid fertilizers- add these after the water.
- Always sift formula through a strainer. If there is none under the lid, use a screened funnel.
- Never fill the sprayer with hot liquids. Max. 30°C = 85°F.
- This sprayer is made for agrichemicals in their recommended water or oil solutions. Do not use caustic, corrosive or flammable solutions.
- Before cleaning or servicing the sprayer allow all pressure to scape. Do not store or transport the sprayer under pressure.
- Unless spraving is to be resumed within hours, drain chemical formula (dispose of it in proper fashion) after use and wash the sprayer -including hose, lance and shut-off valve-with plenty of fresh water.
- Never store formula in a sprayer for more than a few hours.
- Use the sprayer only for jobs for which it was designed. If in doubt, ask your dealer.
- Do not leave any sprayer in reach of children or persons not qualified to use it in correct fashion.
- When not in use -and especially for prolonged storage- keep your sprayer in a protected place away from direct solar heat.

<u>ASSEMBLY</u> 1. On opening the shipping box locate the following parts:

- 1 Plastic bag containing 3 "C"-shaped locking pins, 1 "R" locking pin and 4 metal washers
- 1 Nozzle assembly
- 1 Pump handle
- 1 Spray lance
- 1 Agitator
- 1 Pump connecting rod
- 1 Sprav hose and shut-off valve
- 2. Place the spraver upright on a table or other raised surface.
- 3. Insert the top end of the pump con rod (larger side) into the eye on the pump while placing one washer on each side of the eye. Then secure the C-shaped locking pin making sures it fist on the space exactly (the groove).
- 4. Tilt the tank back, logo facing up.
- 5. With the handle pointing downward, insert the pump shaft into the opening in the tank base. As the shaft is pushed forward insert the free end of the con rod through the hole of the handle. When the shaft has gone as far as it can go through the second opening add the larger washer and secure with locking pin. Do the same on the con rod end secure with a washer and locing pin "C".
- 6. Attach nozzle assembly. Tighten securely by hand.
- 7. Attach spray lance to the shut-off valve. Tighten securely by hand, making sure all seals and gaskets are snualy in place.
- 8. Attach spray hose. Tighten securely by hand.
- 9. Attach agitator as required.

# OPERATION

### (see section For Your Comfort and Safety)

Bear in mind that rubber parts on modern spraver-e.g. piston sleeves. O rings -resist virtually any agrichemical. Yet improper use (formulas in greater-than-normal concentration, strong industrial solvents not commonly known and/or used at the time of manufacture) may cause even the best materials to deform or wear out prematurely. If this ever happens, call your supplier for support.

Litho'd in Mexico

### <u>MAINTENANCE</u>

(see section For Your Comfort and Safety)

When rinsing out sprayer, lance, hose, etc., be extra thorough when changing over from herbicides to other types of formulas. -On hot days a dry gasket may "freeze" the lid. Keep it greased.-

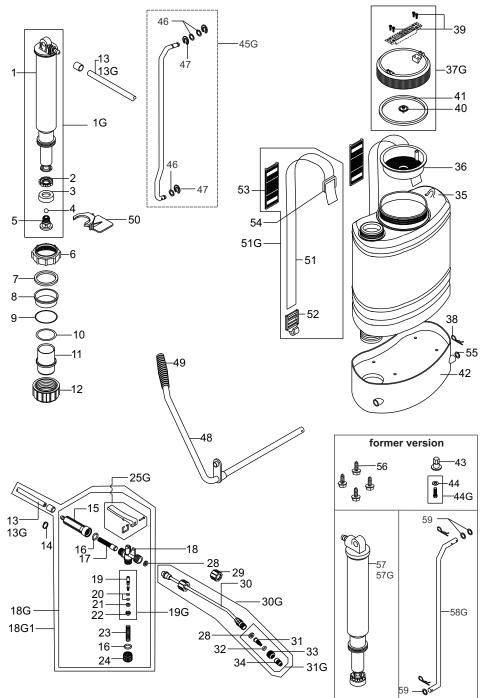
## PUMP DISASSEMBLY

- Position sprayer upright on a flat surface. Pull the "C" pin from the upper end of the pump con rod. Watch those washers and locking pins.
- 2. Remove the agitator through the filler port.
- 3. Loosen the big pump nut atop the tank. Pull out pump.
- 4. Loosen plastic piston bolt. (Screw counter-clockwise by pressing its slot against the top edge of the pump handle connector.)
- 5. To check the ball valve, remove piston bolt and make sure the seal is clean and in good shape.
- 6. Be careful to re-assemble the piston holder disk with its groove facing the piston.

Knapsack S	Sprayer 1	89
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### BASIC CONFIGURATION

Part	Code	Description	Part	Code	Description	
1 1G 2 3 4 5 6 7 8 9 0 11 12 3 6 7 8 9 0 11 12 3 6 7 8 9 0 11 12 3 4 5 6 7 8 9 0 11 12 3 4 5 6 7 8 9 0 11 12 3 4 5 6 7 8 9 0 11 13 6 7 13 6 7 8 9 0 11 11 2 3 4 5 6 7 8 9 0 11 11 2 3 4 5 6 7 8 9 0 11 11 2 3 4 5 6 7 8 9 0 11 11 2 3 4 5 6 7 8 9 0 11 11 2 3 4 5 6 7 8 9 0 11 11 2 3 4 5 6 7 8 9 10 11 11 2 3 4 5 6 7 8 9 10 11 11 2 3 11 11 11 11 11 11 11 11 11 11 11 11 1	E300-019 E189-020-C E189-021 E189-024 E080-022 E189-033 E080-008 E080-008 E080-008 E080-023 E189-027 E189-027 E189-027 E189-024 E803-081 E803-081-C E501-082 E807-074 E807-074 E807-173 E807-075-C E803-166 E803-067-C	Pressure chamber Pressure chamber ass'y Piston disk Piston - G8 Plastic check ball Piston fitting Pump holder nut Felt ring Bushing guide O'ring O'ring Cylinder Cylinder holder nut Hose 3/8" Hose with clamp SX 9-18 clamp Filter housing O'ring Filter insert Valve body 807 Valve body 807 ass'y Valve body and hose ass'y 807 Plunger	31 31G 32 33 34 35 36 37G 38 39 40 41 42 45G 46 47 48 49 50 51 51G 52 53 55 4	E803-262 E803-262-C E803-083 E219-211 E803-263 E189-005 E501-004 =E501-001-C E501-021 E501-020 E501-002 =E189-007 =E189-017 E189-116 E501-015 E200-050 E501-034 E501-034-C E189-035	Nozzle body Nozzle body ass'y O'ring Nut Nozzle cap Tank (it includes integrated washer screws) Filler screen Tank lid ass'y "R" lock pin Lid screw Breather check Lid gasket Tank base Pump lever Washer "C" lock pin Pump handle Handle grip Agitator Carrying strap ass 'y (2 pcs) Strap hook Shoulder pad Strap buckle	
20 21 22 23 24 25G 28	E803-068 E803-063 E803-065 E803-067 E803-164 E803-072-C E803-114	Valve lever ass´y Gasket <b>- N</b>	55 43 44G 44	former version43E189-149Plastic nut44GE080-047-CScrew with washer ass'y44E080-048Washer		
29 30 30G	E803-059 E803-085 E803-285-C	Nu Spray lance Spray lance ass´y	56 57 57G 58G 59	E289-500 E081-019 E189-120-C E189-012-C E501-037	Integrated washer screw Pressure chamber Pressure chambera ass'y Pump leves ass'y Washer 1/2"	



# **BASIC CONFIGURATION**