

INITIAL ASSEMBLY

Image A indicates packaging contents.

Drawing 1 indicates the mounting kit contents and 2 is the kit of spare parts and replacing nozzle. Both are inside the tank. Place the lever arm on top of the pump and fit it with pieces (408) and (407) as shown in image B. Lay down the tank with the straps on the bottom and fix the lever to the upper base hole, by joining in coincidence the bearing with the bottom of the arm. Fix with pieces (407), (408) and (421) as per Image C. Place the lever shutter as shown in Image D.

START-UP

Couple the hose (757) to the lance (765) and to the chamber (760). Unscrew the tank cover without taking out the filter and pour the liquid to be mixed. Adjust the straps as indicated in Image E. Pump the lever some 8 - 10 times to build pressure. Press the trigger (750) and regulate the nozzle (123) rotating it towards one side and the other to get the desired spray pattern. Bear in mind that 6 to 8 strokes per minute gives a flow output of 24 oz./ 0.7 liters to 27 oz./ 0.8 liters/min.

MAINTENANCE & TROUBLESHOOTING

Clean the equipment and internal components, including the filter at the end of the workday. Clean water and liquid detergents will assist this process. NEVER LEAVE THE SPRAYER PRESSURIZED OR STORE WITH CHEMICALS IN TANK. Release pressure and rinse thoroughly.

NOZZLE OBSTRUCTION (123) Clean nozzle with water pressure or non metallic instruments taking care not to damage the orifice. RETAINER CHANGE (434): loosen the bolt (407) taking care not to miss the washer (408), take out the agitator horizontally (425), remove the pressure chamber (760). Use the agitator as in figure F, fit the cross on the stirrer blade into the channels or slots in the valve (465) and, unscrew it. Pick up the ball. Replace the retainer (434) with a new one and screw up again the valve. Do not forget to place the ball inside it. With the help of the stirrer in the indicated position, tighten the valve (465) firmly into the chamber. Proceed to mount the chamber, washer and the agitator.

PERIODICALLY LUBRICATE THE GASKETS (404S).

GENERAL PRECAUTIONS

IMPORTANT: Strictly follow all warnings and recommendations on the labels for chemical products marked "dangerous" and "poisonous". Comply with the application time and expiration date of each product. Avoid chemical application during extremely hot periods. Use extreme caution when spraying near electrical installations. Never use alkaline, acids, flammable materials or products which may a fire hazard. This sprayer is intended to be used only with herbicides, insecticides and fungicides for plants. Do not expose chemicals to the sun. This sprayer must be safety tested annually by experienced personnel. The sprayer hose must be the original from the manufacturer.

GUARANTEE

Our products are guaranteed for one year from the purchase date against defects in material and workmanship. This warranty is limited to the free replacement of parts recognized as defective by our service department. The warranty does not apply for damage due to improper use, disassembly or modification, nor from normal wear and tear. Warranty does not apply in case of negligence, imprudence and, improper use of the equipment. The user may be required to show a copy of invoice or bill of sale to establish date of purchase..

SAFETY AND HANDLING STANDARDS

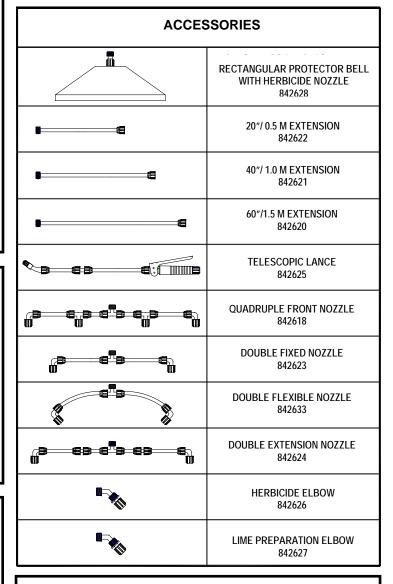
<u>Storage.</u> Place the products in a dedicated, well ventilated and locked room out of the reach of children and pets. Store the product in its original packing. Use the same room to store chemical mixing, preparation and application utensils.

<u>Product Preparation.</u> Verify that that the chemical and equipment are not expired and are in good condition. Read and follow the instructions provided in the product labels and manuals. Use proper utensils for mixing and preparing and mark them correctly. After preparation, wash your hands and face. Dispose properly of empty packages and leftover products.

<u>Safe Procedure.</u> Use suitable protective equipment. Avoid contact with the skin and eyes and do not eat, drink or smoke. Do not apply under windy conditions or against the wind. Avoid any product drifting into adjacent land and crops. Avoid any drift into neighboring springs, rivers, streams, lakes, etc.

After Application. Destroy empty packaging and bottles by burning or burying them 30 cm deep, away from streams or wells. Thoroughly clean the treatment machinery. Wash yourself and your clothes.

Advice in case of poisoning. Go to the doctor with the product label or take the affected person to the nearest hospital. Avoid use of home medicines and, in all cases wash the affected skin areas with plenty of fresh water.



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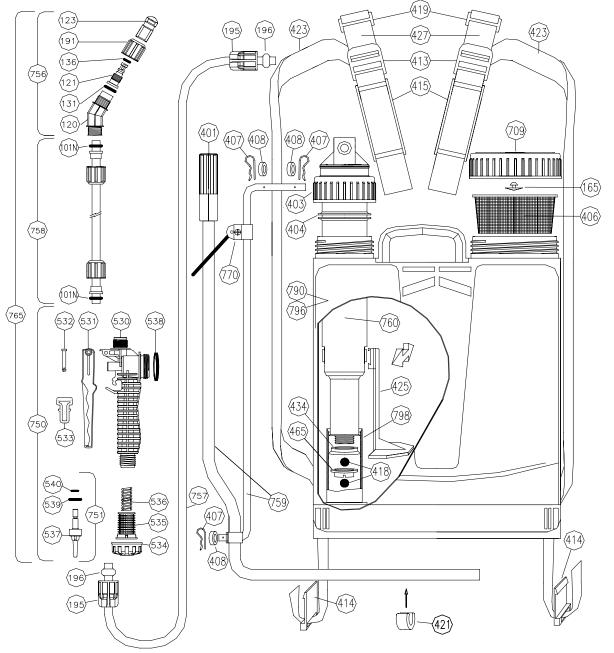
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940-383-7400 940-383-7466 (Fax) Website: www.maruyama-us.com

PARTS LIST

AR	IS LIST		
101N 120 121 123 131 136N 165N 191 195 196 401 403 404 406 407 408 413 414	842521 AN-8 NITRILE GASKET 842523 ELBOW 842524 MIXER VALVER 842567 1.5 mm BRASS NOZZLE 842527 16x2 FLAT GASKET 842528 AN-5 NITRILE GASKET 842570 TANK COVER VALVE 842540 NOZZLE NUT 842541 HOSE NUT 842542 HOSE BUSHING 842574 LEVER GRIP 842575 CHAMBER NUT LID 842576 SYNTHETIC GASKETS 842578 TANK FILTER 842579 BOLT 842580 LEVER WASHER 842594 LOSSEN RING 842584 STRAP RING	415 418 419 421 423 425 427 434 465 530 531 532 533 534 535 536 537 538	842585 SHOULDER 842586 12 mm. DIAMETER BALL 842600 FITTING SUSPENDER 842587 BASE BUSHING 842595 0.90 M STRAP 842590 AGITATOR 842596 0.60 M STRAP 842591 SYNTHETIC RETAINER 842592 SEALING VALVE 842543 HANDLE BODY 842544 BUTTON 842545 BUTTON BOLT 842546 HANDLE CLIP 842547 HANDLE NUT 842548 HANDLE FILTER 842549 HANDLE SPRING 842550 SHUTTER 842551 2-121 NITRILE GASKET

539	842552 2-109 VITON GASKET	
540	842553 2-107 VITON GASKET	
709	842607 TANK COVER WITH VALVE	
750	842558 COMPLETE HANDLE	
751	842559 COMPLETE SHUTTER	
756	842610 ELBOW-CHROMED NOZZLE	
757	842560 COMPLETE HOSE	
758	842612 CHROMED TUBE W/ NUTS	
759	842648 ARM-LEVER SET 16/20L	
760	842614 CHAMBER ASSY 16/20L	
765	842615 LANCE ASSEMBLY	
770	842617 WAND HOLDER (CLAMP)	
790	842597 20 LITER TANK	
796	842598 16 LITER TANK	
798	842599 12 mm BALL CYLINDER	
1501	842651 REPAIR KIT (842521,	
	842528, 842591, 842552,	
	842553)	



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READ INSTRUCTIONS THOROUGHLY BEFORE USING