Nu-Calgon

OPERATOR'S MANUAL

Nu-Solve™ NR Sprayer

COIL CLEANING BACKPACK SPRAYER

Part Number 4775-0

For use with Nu-Solve NR Coil Cleaner (4295-08)

WARNING!!! THIS PRODUCT IS DESIGNED TO SPRAY CHEMICALS THAT MAY BE HARMFUL AND COULD CAUSE SERIOUS PERSONAL INJURY IF INHALED OR BROUGHT INTO CONTACT WITH THE USER. FAILURE TO READ AND FOLLOW OPERATOR'S MANUAL INSTRUCTIONS BEFORE USE AND/OR MISUSE OF THIS PRODUCT COULD RESULT IN EXPLOSIVE FAILURE WITH MAJOR INJURIES.

- **ALWAYS** water test sprayer before each use.
- **ALWAYS** wear long sleeve shirts, long pants, goggles, gloves, and durable shoes.
- **ALWAYS READ AND FOLLOW** label instructions for Nu-Solve NR.
- **AFTER USE** release pressure and clean the sprayer.
- **ALWAYS RELEASE** pressure in the sprayer before servicing.
- **DO NOT** alter the sprayer or any components.
- **DO NOT** spray flammable, caustic or acid based cleaners, or self-heating solutions with the sprayer.
- **DO NOT** fill sprayer with hot liquids - 30ºC/85ºF MAX
- **DO NOT** store Nu-Solve NR in the sprayer.

PREPARING AND USING THE SPRAYER

1. Remove cap.
2. Pour Nu-Solve NR into sprayer and firmly screw the cap on.
3. Place the sprayer on your back and pressurize by pumping up to 15 times. For best results, the sprayer should be pumped every 5 seconds on a continuous basis. This will maintain the spraying pressure.
4. Always lubricate the seal on the cap as well as the check valve as this will extent the life of the seal and is important for maintaining proper sealing with no leaks.
5. Be sure to lubricate the piston sleeve and bushing guide before using the sprayer.

CLEANING AND MAINTAINING THE SPRAYER

After each use, clean the tank thoroughly. If some spray solution remains, carefully pour back into original Nu-Solve NR bottle using a wide month funnel. In a safe area, pump until all liquid is completely discharged through the nozzle. Refill the tank with fresh water and discharge through nozzle as previously instructed. If necessary, repeat this procedure several times to insure that the sprayer is clean. Sporadic spray distribution is caused by a clogged nozzle. If necessary, remove and clean the nozzle.

MAINTENANCE AND STORAGE

After use, the sprayer should be properly cleaned and store away from direct sunlight to prevent UV damage. After removing the piston or mounting a new collar, treat both the collar and the cylinder with a lubricant (grease or petroleum jelly). Before storing for the winter, be sure that all Nu-Solve NR is completely drained from the tank, lines and air chamber. (Refer to CLEANING THE SPRAYER instructions above.) Leave flow control locked open. Regularly inspect the hose, wand, pump tank, and flow control for wear damage or leaks. Avoid excessive wear by regular lubrication and prompt and thorough cleaning after each use.

TROUBLESHOOTING

Always depressurize the sprayer, remove all Nu-Solve NR and clean the sprayer before making repairs. Select replacement parts may be obtained through your local Nu-Calgon Wholesaler.

PROBLEM: Flow control sticks or is hard to use.
CAUSE: O-rings are cracked or damaged.
SOLUTION: Contact Nu-Calgon - may require Repair Kit 725 and replacing the o-rings. Make sure you lubricate all the seals, gaskets, and o-rings.

PROBLEM: Liquid leaks between the flow control and the wand.
CAUSE: Nut may be loose or rubber seal is cracked or damaged.
SOLUTION: Tighten the nut and/or may require replacing the seal (Kit 392) and lubricate. Contact Nu-Calgon.

PROBLEM: Liquid leaks from cap.
CAUSE: Cap not screwed on tightly or seal is cracked or damaged.
SOLUTION: Tighten cap. Lubricate the seal, replace if necessary with Kit 2A. Contact Nu-Calgon.

PROBLEM: Check valve in cap leaks.
CAUSE: Check valve is dirty or damaged.
SOLUTION: Clean or replace as necessary (Kit 2CH). Contact Nu-Calgon.

PROBLEM: Tank starts to collapse; cap cannot be unscrewed creating a vacuum.
CAUSE: Vent holes in cap have become clogged.
SOLUTION: Remove cap and with a small wire, unclog the holes. Clean the cap, check valve. Lubricate check valve and reinstall.

ASSEMBLY

1. When taking out the sprayer from the box, please locate the following parts: 1-strainer, 1-tank lid, 1-pump lever, 1-spray wand, 1-pump tube with hose and shut-off valve, 1-pump handle inside the tank, 1-plastic bag with 3 lock pins, 5-washers and 1-adjustable plastic nozzle (1, 2).
2. Insert the pre-greased pump tube and piston sleeve into the guide tube inside the tank (3, 4, 5). **For best results, periodic greasing is recommended.**
3. Insert the pump lever (with the less curved side upwards) in the pump tube hole placing one washer on each side of the pump tube and fix it with a lock pin (6, 7).
4. Then insert the other pump tube's end in the upper hole of the pump handle, fix it with one washer and a lock pin, place the tank shaft bolt on the second hole of the pump handle, fix it with a washer and a lock pin passing it through the bolt's hole (8, 9, 10).
5. Finally assemble the shut off valve at one end of the spray wand and the spray nozzle at the other end. Now the sprayer is fully assembled. (11, 12, 13, 14, 15).



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4



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6



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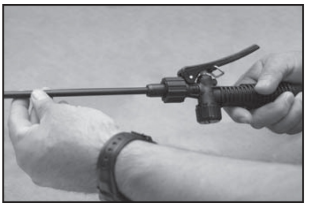
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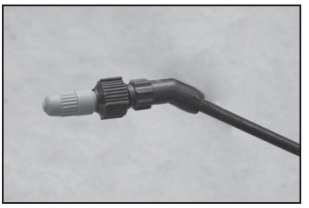
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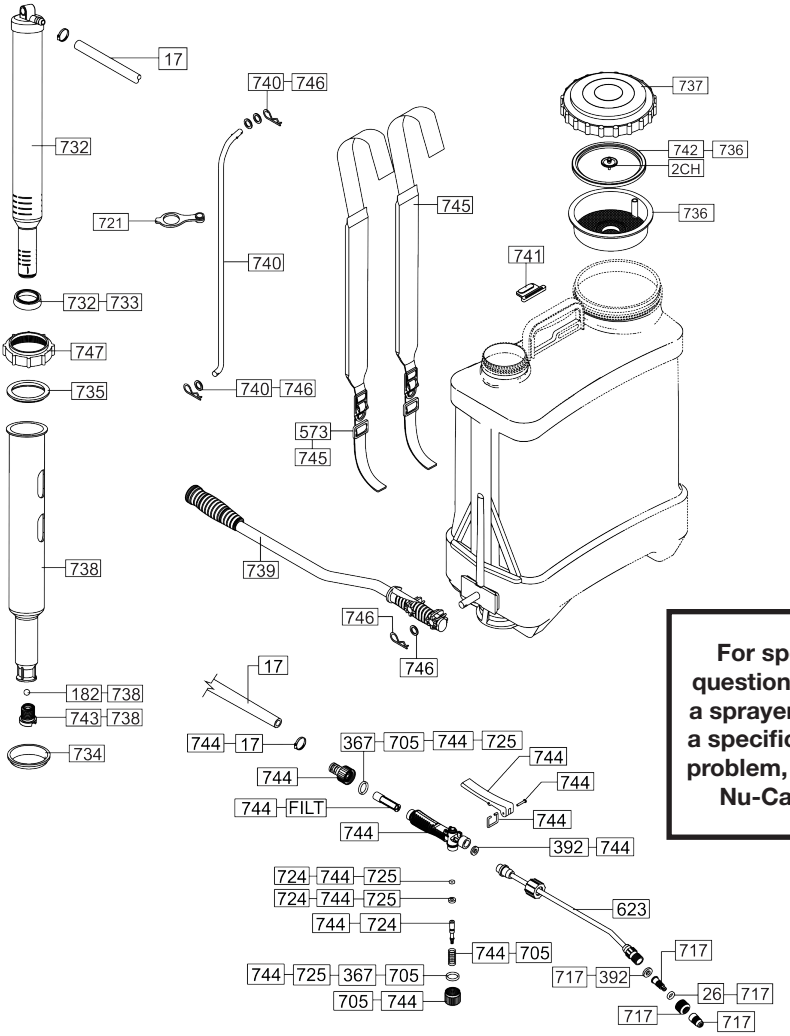


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PARTS LIST FOR NU-SOLVE NR SPRAYER (4775-0)					
Kit 2CH	Check valve for lid	Kit 721	Handle locking device	Kit 739	Pump handle assy
Kit 17	Hose with clamps	Kit 724	Plastic plunger	Kit 740	Pump lever
Kit 26	Nozzle O-Ring	Kit 725	Seals set for 808 shut-off valve	Kit 741	Strap holders
Kit 182	Ball	Kit 732	Pump tube assy	Kit 742	Strainer gasket
Kit 367	Gun grip O-ring	Kit 733	Piston sleeve	Kit 743	Ball holder nut
Kit 392	Gasket set for nozzle & spray gun	Kit 734	Bushing guide	Kit 744	Shut-off valve
Kit 573	Strap buckles	Kit 735	Gasket	Kit 745	Economy padded strap
Kit 623	Fiberglass wand 20.5 inches	Kit 736	Strainer	Kit 746	Lock pin and washers
Kit 705	Shut-off valve sitting	Kit 737	Tank lid, red	Kit 747	Pump holder nut
Kit 717	Plastic adjustable nozzle	Kit 738	Pump tube guide assy	Kit FILT	Filter replacement



For specific questions about a sprayer part or a specific on site problem, contact Nu-Calgon.

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