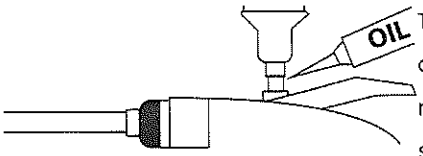
MAINTENANCE

Keeping The Legend Alive, Caring For Your Sprayer

Like all legends, years of hard work and performance create character and add to the legendary status, but even legends require a hand from time-to-time to keep their reputation intact.

Care and Maintenance Instructions

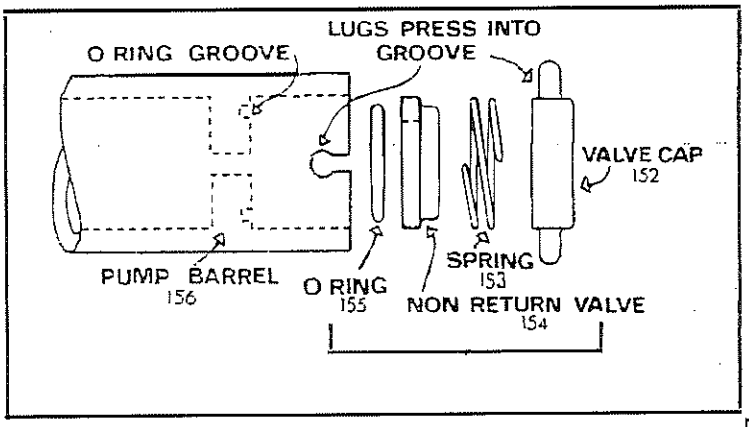
A. PUMP PISTON AND SEAL



To insure an efficient pumping action for easy operation, and to prevent undue wear, it is important to oil the seal regularly. The simplest way to achieve this is to squirt some oil down the gap between the pump spindle and the pump handle. Should the piston seal ever need to be replaced or removed from the pump piston for cleaning, please ensure when reassembling, that the side of the seal with the eight projections is facing the bottom of the container and lubricated with a few drops of light oil.
PUMP SPINDLE (Part No. 1515) **PUMP HANDLE** (Part No. 1514) **PISTON SEAL** (Part No. 1536) **PUMP PISTON** (Part No.1535)

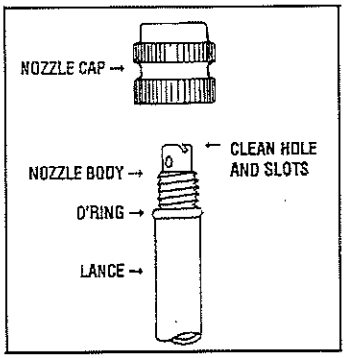
B. PUMP NON-RETURN VALVE

The pump non-return valve stops the compressed air in the container from escaping back into the pump. If it is faulty it will cause the pump handle to rise when under pressure.
To remedy this issue you will need to remove the valve. Press out the non-return valve cap by pushing the lugs on the cap out of the grooves in the barrel. When removing the non-return valve make sure not to lose the spring and sealing ring. Wash the non return valve in clean water and reassemble making sure that the parts go together as shown on the accompanying diagram and that the O-ring is pushed into the groove.
PUMP NON RETURN VALVE (Par No. 154) **NON-RETURN VALVE CAP** (Part No. 152)



C. CONTAINER SEALING RING

The container sealing ring is fitted to ensure an airtight joint between the handle and the container. To check that it is working, turn the pump upside down when under pressure. If leaking, you will see liquid being forced through the joint and you will need to replace the sealing ring.
CONTAINER SEALING RING (Part No. 158)



MAINTENANCE

D. TEAT SPRAY LANCE

The nozzle cap must be kept clean and free from obstructions to ensure consistent delivery. Clean the hole with a pin or similar object. At the end of the nozzle body, there are two diagonal slots and a hole which must be kept clean from build up of sediment. The nozzle body sealing O-ring must be lubricated regularly to ensure the nozzle cap rotates freely when adjusting the spray pattern.

TEAT SPRAY LANCE (Part No. 1538) **NOZZLE BODY SEALING O-RING** (Part No. 1528)

E. DISCHARGE SPINDLE ASSEMBLY

It is most important that this part be kept clean from build up of sediment or chemicals. Normal flushing after use with clean lukewarm water should do this. Certain chemicals, if not thoroughly washed through, will cause the sealing rings to swell and cause a blockage. If this happens it becomes necessary to replace the sealing rings. To dismantle, first remove the trigger retaining clips, disconnect the spray lance and pull out the spindle assembly through the front. To reassemble, replace the spindle assembly in the spray head. Screw the lance back on and fit the trigger onto the spindle assembly using the retaining clip.

SEALING RINGS (Part Nos. 1520- 1524) **TRIGGER RETAINING CLIPS** (Part No. 1519)

F. OUTLET TUBE

This tube feeds the liquid to the discharge spindle. If you are experiencing flow restrictions check for an obstruction in the tube and in the passage drilled in the handle.

OUTLET TUBE (Part No. 1518)

G. STORING YOUR SPRAYER

Drain all liquid from the container. Thoroughly clean your sprayer and oil all moving parts. Do not store in direct sunlight. Wash and test with clean water at the start of the new season.

I. REMOVING VISCOUS OR OILY LIQUIDS

Only thin watery solutions will atomise and only a trial will establish the suitability of what you put through your sprayer. To clean out do not use solvent based products. Instead, after use clean out immediately by spraying through with warm water to which detergent has been added and repeat with clean cold water.

J. CHEMICAL SUITABILITY

The Nitrile rubber seals used in this sprayer are suitable for a wide range of chemicals.

FAULT FINDING

FAULT	DUE TO	REMEDY
No pressure	**1.** Leaks at seals. **2.** Pump not pumping properly.	**1.** Check maintenance BC & J and ensure Seal No. 157 between top of barrel 156 and handle 1514 is airtight. **2.** Check hints A & J. Check pump piston seal 1536 has not been pulled off piston 1535 due to lack of lubrication or swelling. Piston seal worn - replace. Pump piston seal upside down.
Weak or no spray	**1.** Insufficient pressure or loss of air. **2.** Obstruction.	**1.** Check as for no pressure above. **2.** Check maintenance Hints D,E,F,H,I.
Distorted spray	Partial blockage in nozzle. **2.** Erosion of nozzle slots and nozzle cap hole.	**1.** Check maintenance hint D. **2.** Replace lance assembly 1536.

Genuine Parts And Replacements.

As the manufacturer of Cambrian Sprayers we can offer, through our suppliers, full units or replacement lances and washers to suit your needs.

Full Units

Full sprayer body, trigger unit and lance.

CSP15T - Teat Sprayer

CSP15P - Pollen Sprayer

CSP15G - Garden Sprayer

Replacement Parts

Lances and washers.

CSP15 1574 - Garden Lance

CSP15 1838 - Pollen Lance

CSP15 1538 - Teat Lance

CSP15 1599 - Washer Set