

# SERVICE MANUAL

## TR13-1

### 13L TROLLEY SPRAYER

*SRVTR13-1 REV B – 22/10/2019*

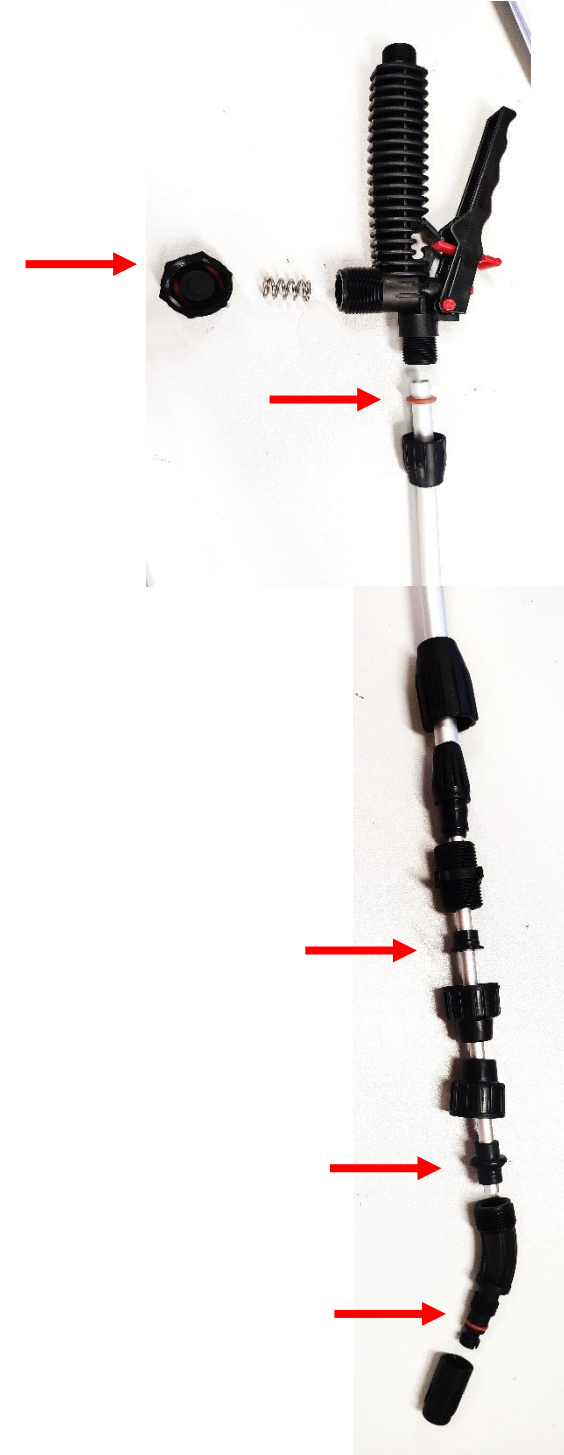


FOR SERVICE SUPPORT PH 1300745826 (AUST) OR 0508 745826 (N.Z)

email: [info@silvanaust.com](mailto:info@silvanaust.com)

website: <https://www.silvan.com.au/service-manuals/>

# TROUBLESHOOTING GUIDE

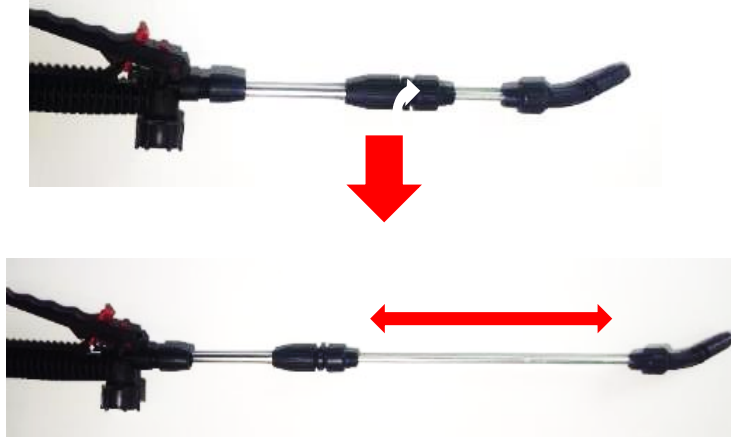
| Problem             | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spray Lance Leaking | <ul style="list-style-type: none"><li>Check the spray lance to ensuring the rubber seals are fitted. Check the nuts are tightened.</li></ul> <div>SEAL POSITIONS</div>  <p>The diagram illustrates the assembly of a spray lance. It shows the trigger gun, a coiled hose, and the lance body. Red arrows point to the following components: 1. A black hexagonal nut. 2. A small metal spring. 3. The connection point between the trigger gun and the lance body. 4. The connection point between the lance body and the spray tip. 5. The connection point between the lance body and the spray tip. 6. The connection point between the lance body and the spray tip.</p> |

# TROUBLESHOOTING GUIDE

CONTINUED.

Spray Lance  
Leaking

- The spray lance length can be adjusted by loosening the nut as shown below, extending the lance to the desired length, and retightening.



There is pressure  
inside tank but  
limited or no flow  
from the nozzle

- Unscrew the spray gun from the hose to access the filter inside the gun handle to clean.



- The nozzle is blocked. Unscrew the black coloured nozzle from the end of the gun and clean all parts.



NOZZLE

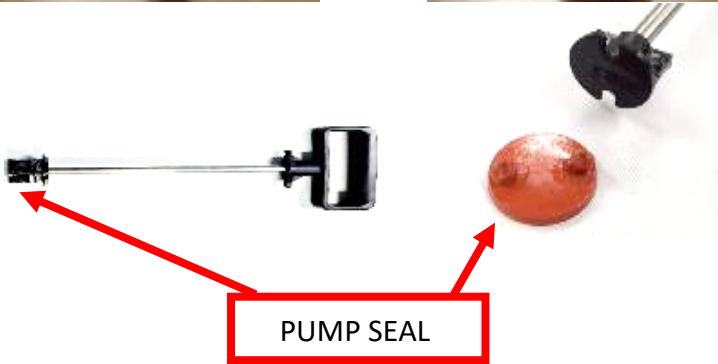
# TROUBLESHOOTING GUIDE

| Problem                                 | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No or limited pressure inside the tank. | <ul style="list-style-type: none"><li>Air Leak:<ul style="list-style-type: none"><li>Check safety air release valve is tightly fitted, not damaged or making “hiss” noise. Remove, clean then refit. Unscrew valve and make sure O-Ring is in place.</li></ul></li></ul> <div></div> <div><div>SAFETY AIR RELEASE VALVE</div><div>O-RING</div></div> |
|                                         | <ul style="list-style-type: none"><li>Check Spray hose connection is tightly fitted and connection not making “hiss” noise. Use soapy water on an absorbent rag to wet the outside of the fitting to detect small leak. Make sure O-ring is in place.</li></ul> <div></div> <div><div>O-RING</div><div>SPRAY HOSE CONNECTION</div></div>         |

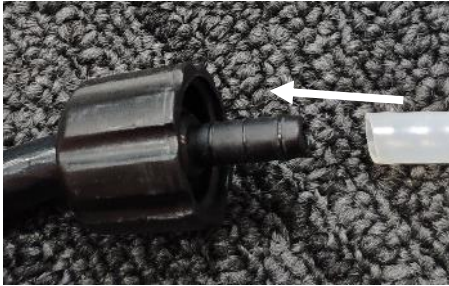
# TROUBLESHOOTING GUIDE

| Problem                                                          | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CONTINUED.</p> <p>No or limited pressure inside the tank.</p> | <ul style="list-style-type: none"> <li>Check pump assembly is screwed in tight. Pull out pump to check for dirt or damage of O-Ring, replace if necessary.</li> </ul> <div data-bbox="504 416 903 954">  </div> <div data-bbox="659 981 794 1010" data-label="Caption"> UNSCREW </div> <div data-bbox="1027 412 1206 1028">  </div> <div data-bbox="1246 685 1347 714" data-label="Caption"> O-RING </div> <ul style="list-style-type: none"> <li>Pump will not pump: <ul style="list-style-type: none"> <li>Check diaphragm on end of pump is clean, remove and wash under clean water or replace if damaged. Look particularly for grit or fibres under the diaphragm</li> </ul> </li> </ul> <div data-bbox="579 1245 1161 1408">  </div> <div data-bbox="533 1451 700 1480" data-label="Caption"> DIAPHRAGM </div> <div data-bbox="513 1559 1299 1839">  </div> <div data-bbox="783 1879 951 1908" data-label="Caption"> DIAPHRAGM </div> |

# TROUBLESHOOTING GUIDE

|                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CONTINUED</p> <p>No or limited pressure inside the tank.</p> | <ul style="list-style-type: none"><li>• Check pump seal on the piston is clean and lubricated or replace if necessary.</li></ul> <p>To access the pump seal, the pump will need to be opened. Turn the top of the pump to unlock, then pull out the piston.</p> <div data-bbox="715 461 1086 685"></div> <div data-bbox="528 689 882 824"><p>LOCKED POSITION<br/>TURN TO UNLOCK</p></div> <div data-bbox="941 689 1334 824"><p>UNLOCKED<br/>PULL OUT VERTICALLY</p></div> <div data-bbox="533 851 868 1128"></div> <div data-bbox="975 851 1278 1128"></div> <div data-bbox="549 1128 1270 1491"><p>PUMP SEAL</p></div> |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# TROUBLESHOOTING GUIDE

| Problem                              | Solution                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The sprayer sprays air without water | <ul style="list-style-type: none"> <li>Check the suction tube inside the tank has not come loose.</li> </ul> <div data-bbox="571 376 890 846" data-label="Image">  </div> <div data-bbox="981 376 1252 840" data-label="Image">  </div> |
|                                      | <ul style="list-style-type: none"> <li>Push suction tube fully in.</li> </ul> <div data-bbox="475 936 925 1220" data-label="Image">  </div> <div data-bbox="954 936 1369 1220" data-label="Image">  </div>                            |

# Spare Parts



|   | Part Number | Description                      |
|---|-------------|----------------------------------|
| 1 | 382-097     | Extendable Lance Only            |
| 2 | TR13-23     | Handle Lock Nut Suit TR13-1      |
| 3 | TR13-21     | Pump Assembly Suit TR13-1        |
| 4 | TR13-22     | Seal Service Kit Suit TR13-1     |
| 5 | TR13-24     | Safety Release Valve Suit TR13-1 |