

# Abaco Machines Troubleshooting Guide For SVL 25, 50, 75 & 100



1. Check that the orange air hose (SVL-OH-F10) connections are all secure. Ensure the ends of all the air hoses all have metal tube sleeves (DT\_312) at the ends.
2. Check that the clear braided hose (SVL-CH) connections are all secure.

3. Ensure that all ball valves (VH006) are all fully opened. There is a ball valve on each pad. Older SVL lifters may have a ball valve beneath the emergency compressor which if not fully closed will lead to vacuuming loss.



4. Verify that the air regulator assembly (SVL100-LK001) is working properly by operating between 100 – 120 PSI.



5. The pressure gauge (SVL-031) must operate between 70 – 80 PSI. Receiving low pressure reading may indicate that the pressure gauge is faulty. \*Note: Older SVL pressure gauge models were filled with oil. If the oil inside dries, the pressure gauge may need to be replaced to ensure proper PSI.
6. Check that rubber pads are fully pressed upon the surface to be lifted. Proper suctioning may not occur if the rubber pads are not all placed parallel to the surface material.



7. By design, there is a gap between the suction base and the base plate. Do not tighten the nuts on the suction base to seal this gap. A large spring is housed inside the suction base to relieve the weight of the entire SVL device as it is placed on a surface. The gap serves as a buffer for the spring to engage.



8. Surface must be free of dust, water, and debris for best suctioning capability. Suction pads must never be applied to a surface that has protective vinyl or a similar protective covering.
9. Rubber pads may harden and crack over time and lead to leaks in pressure. Such rubber pads must be taken out of service and replaced.
10. The vacuum ejector (CD008) may be faulty and may need to be replaced.
11. To test for air leaks in a specific pad, turn on the SVL device, reach normal operating PSI, and close the ball valve for each pad. Place SVL onto a surface. Open and close one valve at a time and observe the pressure gauge. A drop in pressure during this test will indicate which pad is leaking air.

