



TS-1063	Air Dump Valve Troubleshooting Guide (VX2/VXL/Solo)	Document Owner: Service Department	Effective Date: AUG-24-2022	Page 1 of 7
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Purpose

This document provides the steps necessary to correct the specific issues identified.

Intended Use

If experiencing issues with the Air dump valve on VX2/VXL/Solo.

Required Material and Equipment

VX Series Instrument

Intended Audience

Certified Scinomix Technician

Prerequisites

N/A

Procedure

1. Remove the printer prior to starting this procedure.
2. Verify the air dump valve LED is illuminated when power to the machine is on and the E-Stop is disengaged.

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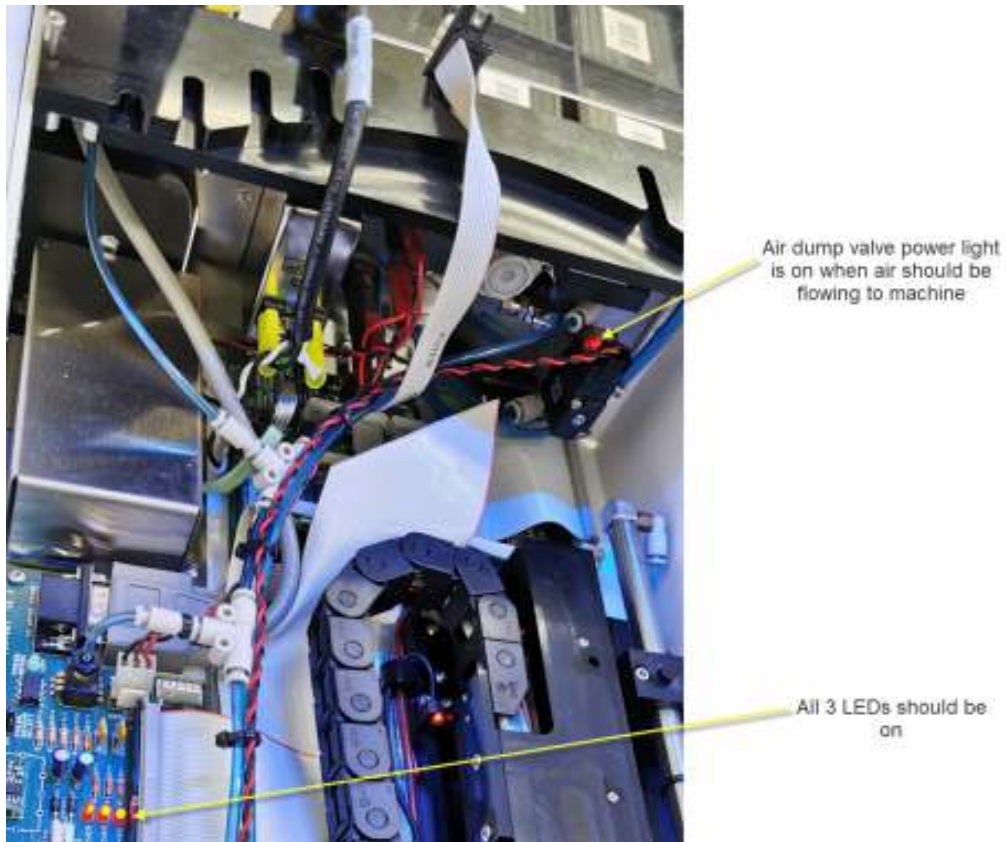


Figure 1.

- a. If the air dump valve LED is off, check the power connector to the valve (red and black wires) is fully seated.
- b. Check the plug on the other end of the twisted red & black wires is fully seated on the IO board.



Figure 2.

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- c. If the dump valve LED is on and there is still no air to the system, turn off the blue air switch next to the air inlet, and disconnect the airline going to the upper gantry.

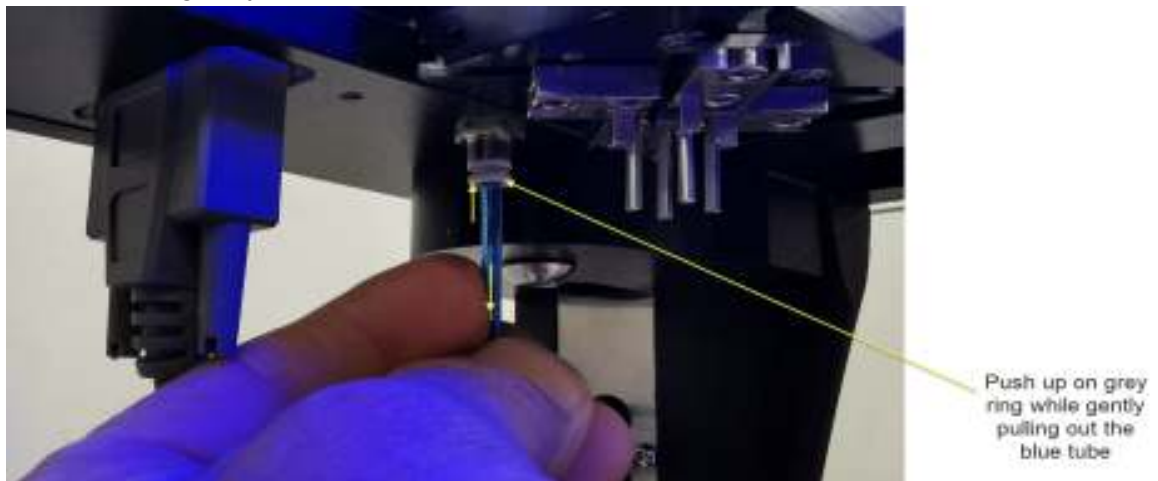


Figure 3.

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- d. Switch the air back on and check to see if air comes out of the disconnected tube.



Figure 4.

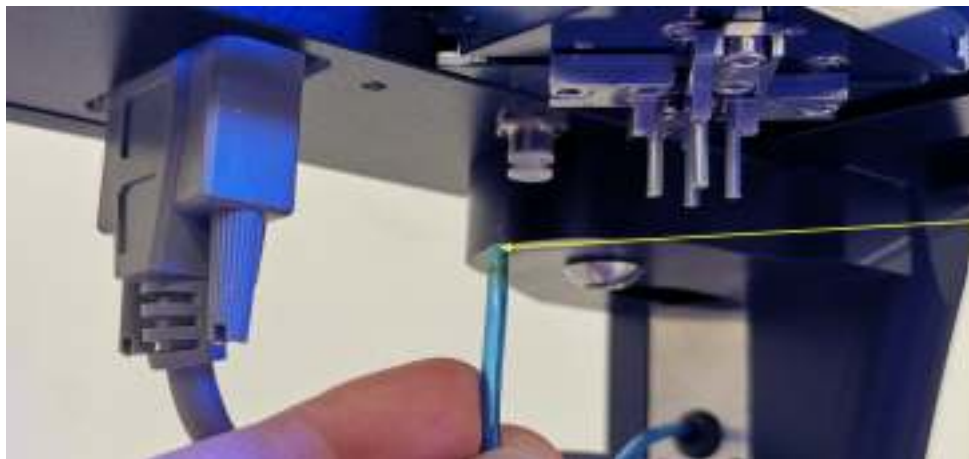


Figure 5.

3. If no air flows out of the disconnected tube, replace the dump valve.
4. Turn off power and air to the system.
5. Remove the two mounting screws.

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Figure 6.

6. Disconnect the electrical plug and two air tubes.

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Note: Replacement is the reverse of removal.

7. Ensure both air tubes and electrical plugs are fully seated.
8. Before powering back on the system, leave the air tube to the upper gantry disconnected and remove the air tube to the manifold.



If possible disconnect air supply tube to manifold

Figure 7.

9. Power on the machine (check to make sure the air dump valve light is on) and turn on the air to the machine.
10. Allow air to flow through the two disconnected tubes for a few seconds to clear out any debris that may be in the lines.
11. Turn off the air and reconnect the two disconnected air tubes.
12. Replace the printer and test the system.

If you need additional assistance, please call our service department at 314-298-9800 or email service@scinomix.com.



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Definitions

N/A

Revision History

Version:	Change:	Effective Date:	Approved by:
A	NEW	MAR-29-2021	N. Malterer
B	Content review Added <i>Intended use</i>	AUG-24-2022	Service