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Purpose

This guide provides the steps necessary to replace the MP2 Swing arm tower.

Required Material and Equipment

Metric Allen Wrench set
Needle nose pliers

Intended Audience

Sci-Print MP2 End Users, Field Service Representative from Scinomix, or approved vendors.

Prerequisites

N/A

Procedure

1. Turn off power and air supply to the device, and set the instrument on a workbench.
2. Unplug the side and rear ribbon cables from the printer to the base.
3. Remove the printer from the base, and set it aside.
4. Flip base over to expose the underside as shown in Figure 1.



Figure 1.

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5. Unplug the communication cable:



Figure 2.

6. Remove the base fasteners, and set this base plate aside.

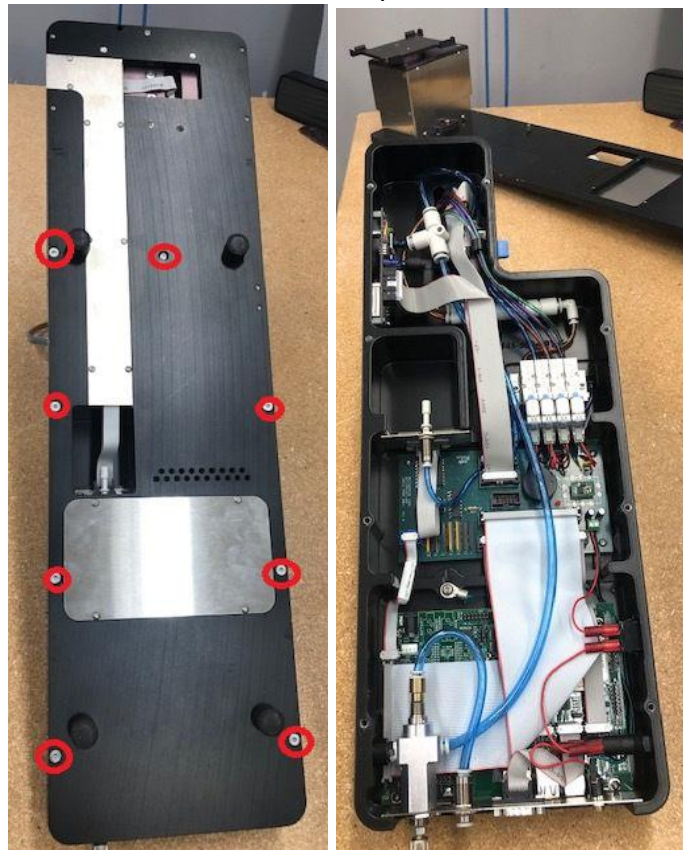


Figure 3.

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7. Take note of the tower air lines for reinstall later (top to bottom is Red, Blue, Purple, Green, with the larger Orange inserted to the right as seen in Figure 4.).



Figure 4.

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8. Using an allen wrench, press down the locking collar for each line, and pull free.

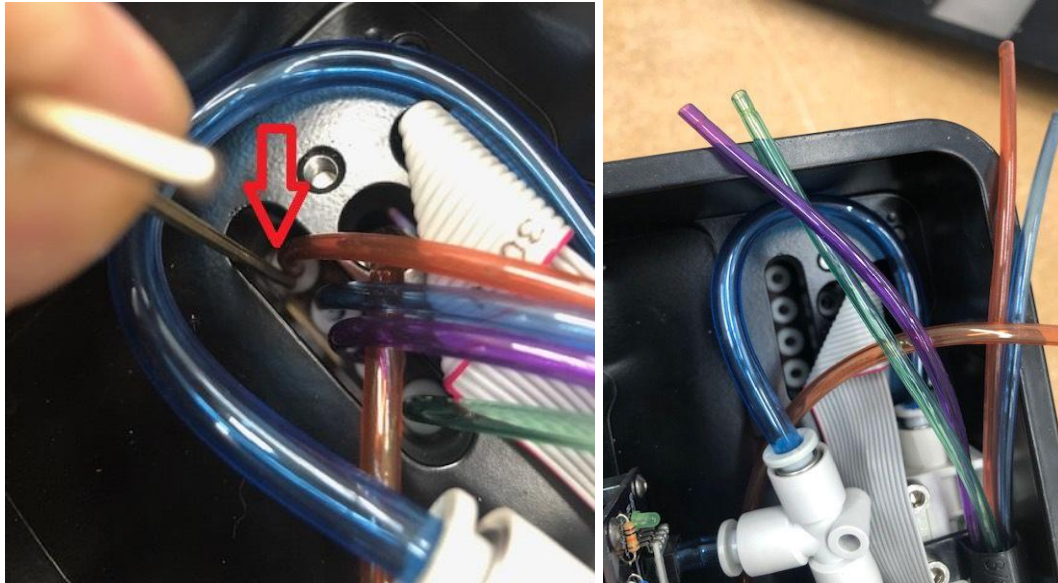


Figure 5.

9. Flip the instrument over, and remove the four tower housing fasteners.

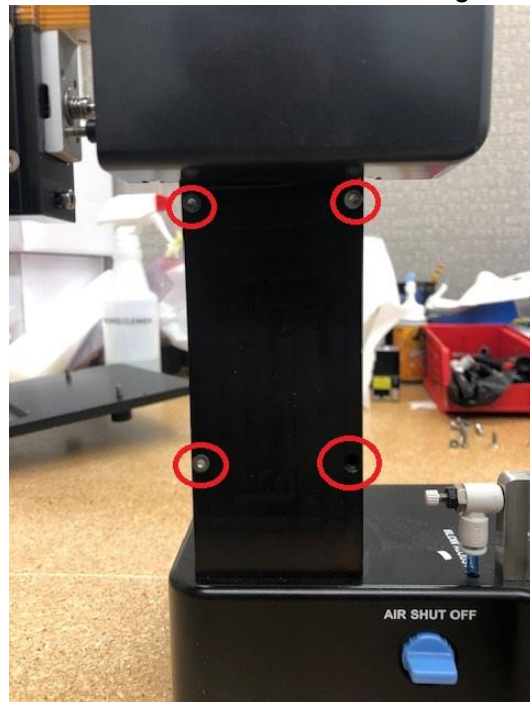


Figure 6.

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10. Unplug the eight-pin ribbon cable from the board, and set the housing aside.



Figure 7.

11. Unplug the sixteen-pin ribbon cable, and push it through the opening below.

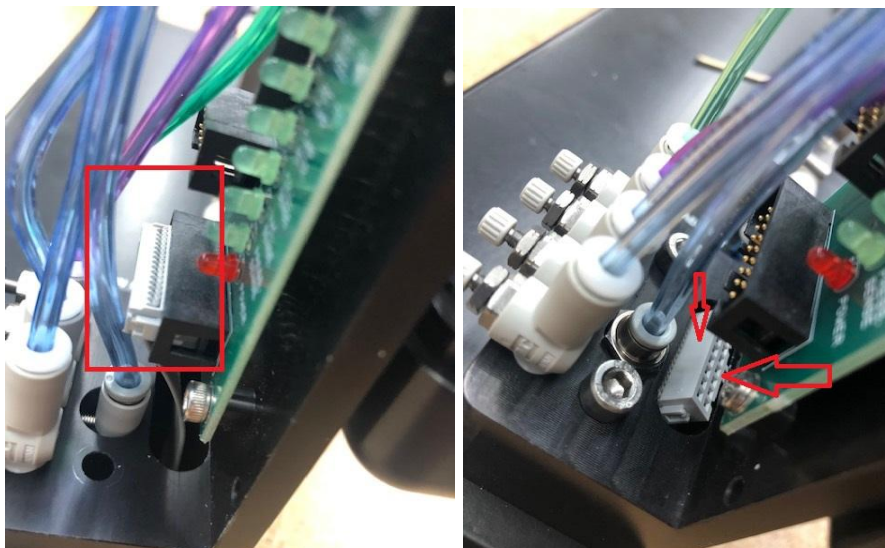


Figure 8.

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12. Remove the two tower fastener screws.



Figure 9.

13. Pull the tower up, and free it from the support dowels. Set the old tower aside.



Figure 10.

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14. Put the sixteen-pin cable through the bottom of the new tower, and set the tower on the support dowels.

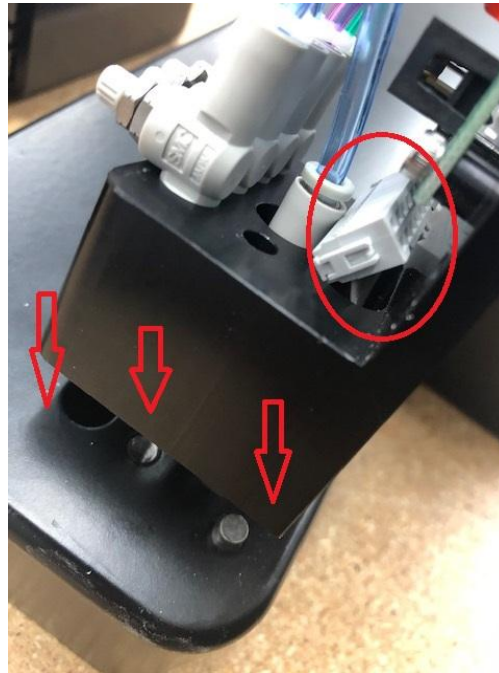


Figure 11.

15. Plug in the sixteen-pin, and tighten the fasteners screws back to the base.

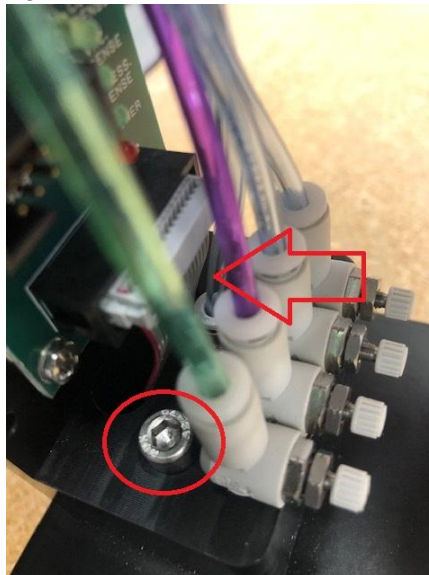


Figure 12.

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16. Align new tower housing, and plug in the eight-pin cable. Then fasten the housing to the tower.

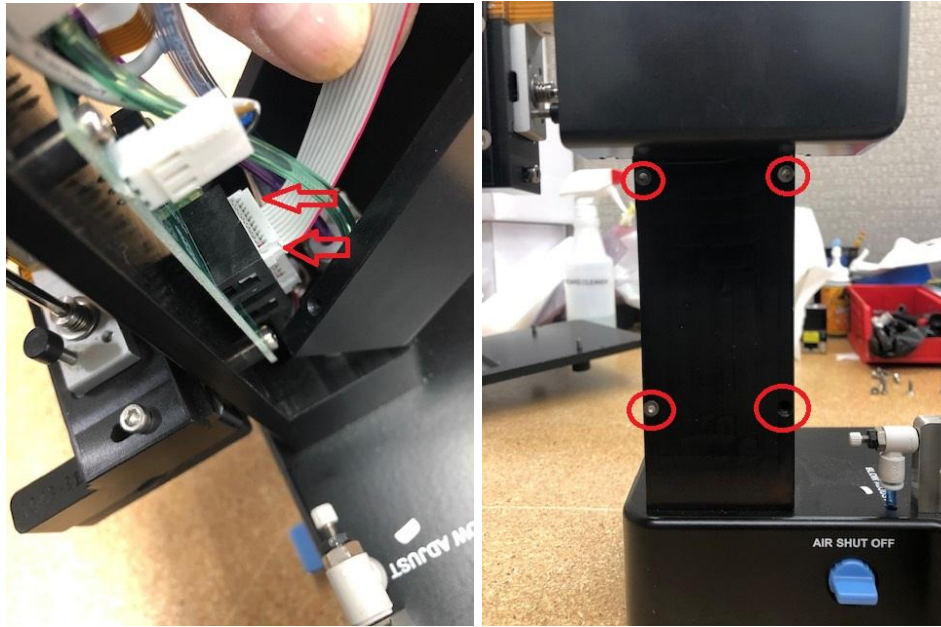


Figure 13.

17. Flip the base over again.

18. Using needle nose pliers, plug the airlines into the connectors in the correct order. (Refer to step 7.)



Figure 14.

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19. Reattach the base, and plug in the RS-232 ribbon cable.



Figure 15.

- 20. Flip base over again, and reattach the printer. (Be sure to set the printer on the dowels).
- 21. Attach the printer cables from the printer to the base.
- 22. Attach the air supply, communication cable, and power supply.
- 23. Test the instrument.

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

Definitions

N/A

Revision History

Version:	Change:	Effective Date:	Approved by:
A	New	JUN-29-2021	B. Petty