

TS-1071	Replacing EMAC Chip In VX Series	Document Owner: Service Department	Effective Date: SEP-28-2021	Page 1 of 4
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Purpose

This document provides steps to remove and replace an EMAC chip in the carrier board in a VX2/VXL. This can be referenced when troubleshooting a communication issue and the chip is potentially deemed bad.

Required Material and Equipment

- Newly Programmed EMAC Chip

Intended Audience

Field Service Representative from Scinomix or approved vendors.

Prerequisites

- Must complete TS-1050 Removal and Installation of Squix Printer Prior to Beginning.

Procedure

1. Ensure the instrument is turned off. If it is not, toggle the power switch on the control panel of the VX located on the right hand side of the machine
2. Locate carrier board, half of the board will be hidden by wiring (see picture below)

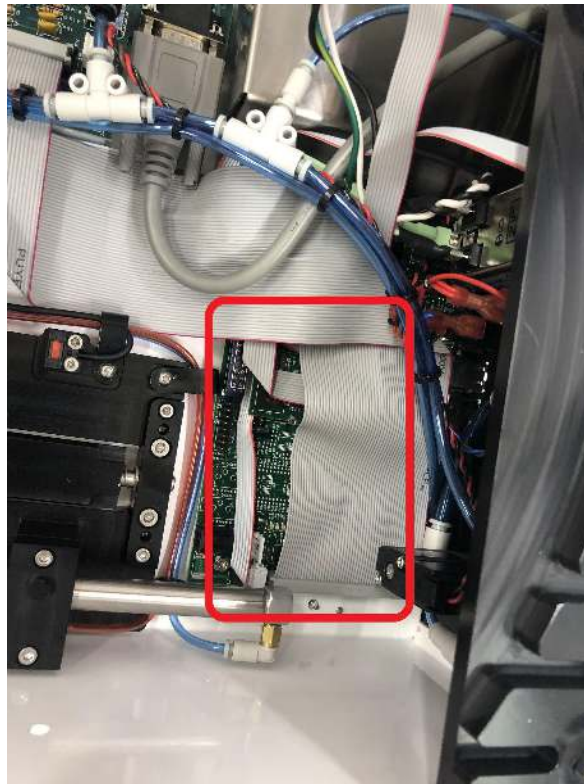


Figure 1.

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3. Remove the ribbon cables shown in the pictures below to reveal the chip mounted to the top of the carrier board

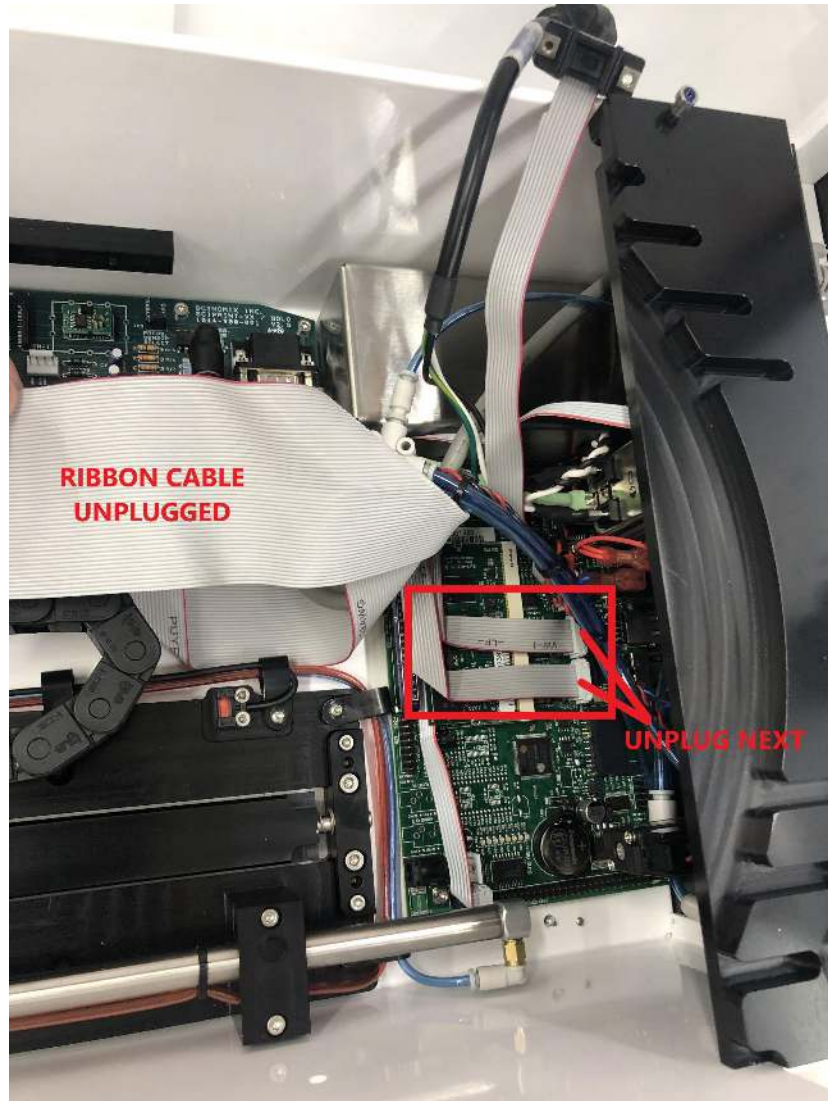


Figure 2.

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4. Remove chip from carrier board by unlatching the tabs on either side and slower lifting the board away from the white pin reader. Do this process slowly as damage could occur if the chip is pulled or twisted if it is still latched or engaged in the reader.

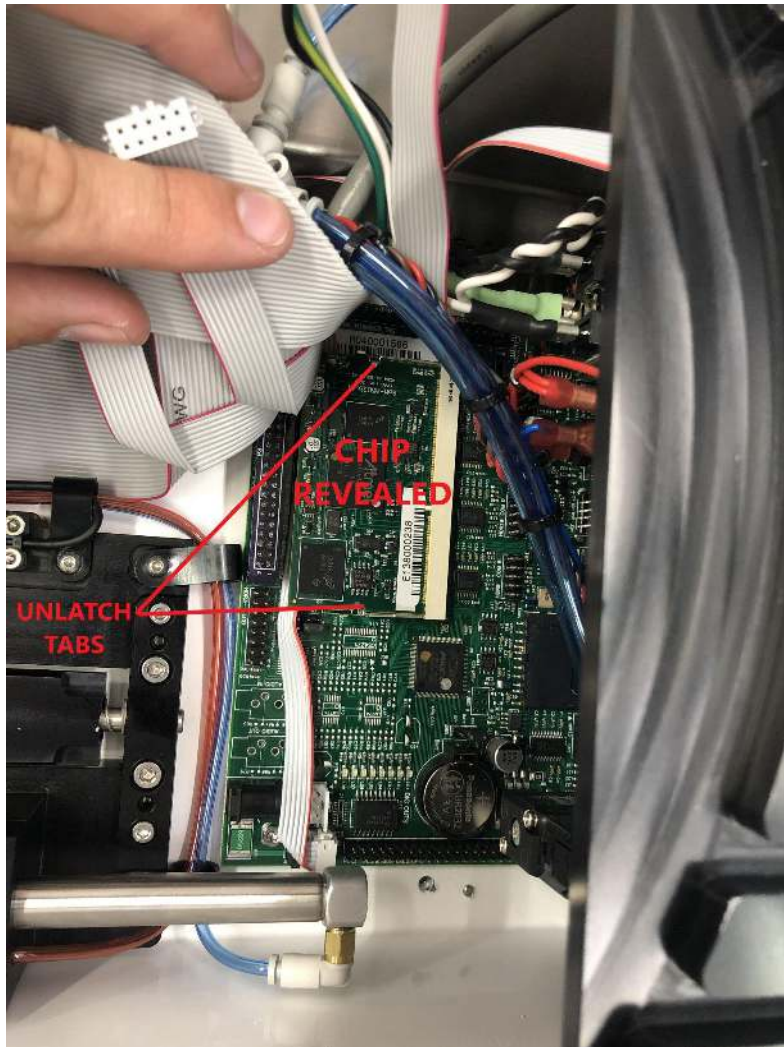


Figure 3.

5. See removed chip below - please package and have sent back to Scinomix
6. Locate new chip and prep for install - record serial number on white tag
7. Reverse steps for installing the replacement chip.
 - a. Insert chip into reader and push down until latches engage
 - b. Replace ribbon cables into respective ports
 - c. Verify all connections made
8. Replace printer
9. Turn on machine power

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

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Definitions

EMAC - Ethernet Media Access Controller

Revision History

Version:	Change:	Effective Date:	Approved by:
A	New Release	SEP-28-2021	Nick Shepard