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Upgrading or Replacing MicroMet's Program Chip August 11, 2006

1. Remove the power from the MicroMet by turning off it's power switch (MicroMet 100B), or turning off the power switch on the MCC551 Power Control Unit (MicroMet 300), or by unplugging the 12V power connector at the bottom of the MicroMet 100 (J2).

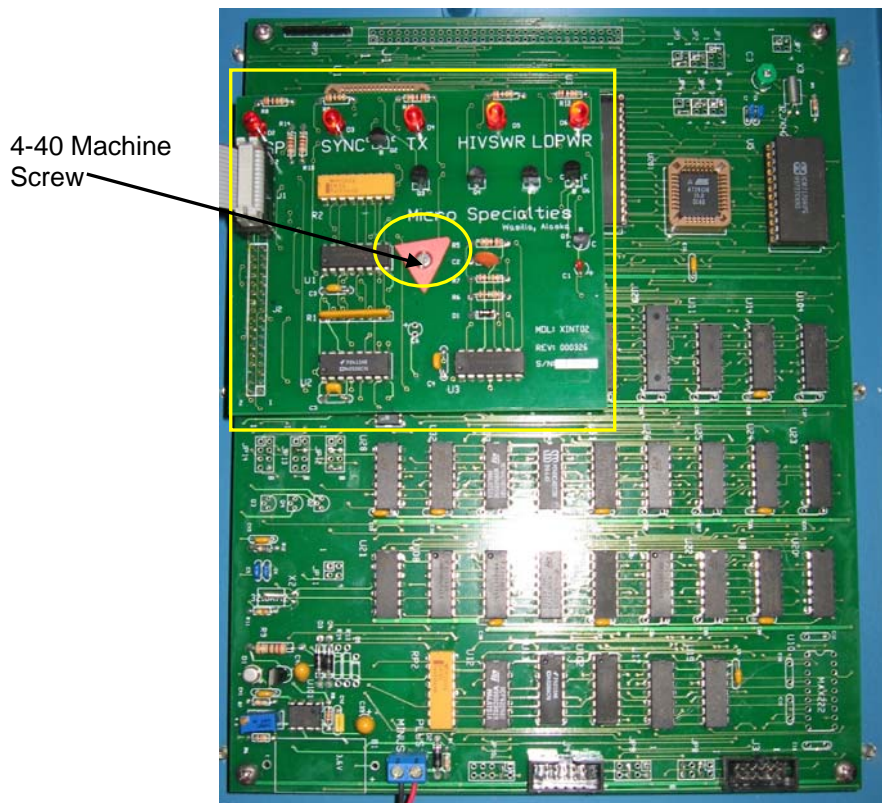


Figure 1 – XINT02 Transceiver Interface

2. Open the MicroMet's hinged cover, and carefully remove the Transceiver Interface (XINT02) printed circuit board (PCB):
 - Some XINT02 PCBs are fastened in place with a 4-40 machine screw near the center of the PCB. If so, remove the screw now. **See Figure 1 above.**
 - The PCB is held in place by the friction of its electrical connector mating with a receptacle on the CPU. This connector is located on the left edge of the XINT02 PCB. Carefully pull the XINT02 out and away from the CPU while applying a gentle rocking motion to overcome the connector's friction fit.
 - Carefully set the XINT02 aside.



Figure 2 – Removing the Program Module

3. The Program Module is located near the top of the CPU PCB, and is marked U2. Note that the Program Module is plugged into a high-reliability socket at U2. To remove the old Program Module, use a Chip Removal tool, inserted between the Program Module chip, and its socket. **See Figure 2 above.** Using a rocking motion, gently pull the Program Module chip straight up and out of its socket. **Do not bend the chip's pins in the removal process.**

- Carefully and gently insert the new Program Module into the U2 socket. Note that the chip must be oriented such that its semi-circular indentation is at the top of the socket, matching the socket's indentation and the silk screen outline on the PCB. Be very careful not to bend any of the chip's pins during the insertion process. **Do not apply pressure on the PCB while inserting the new chip; irreparable damage will occur!**

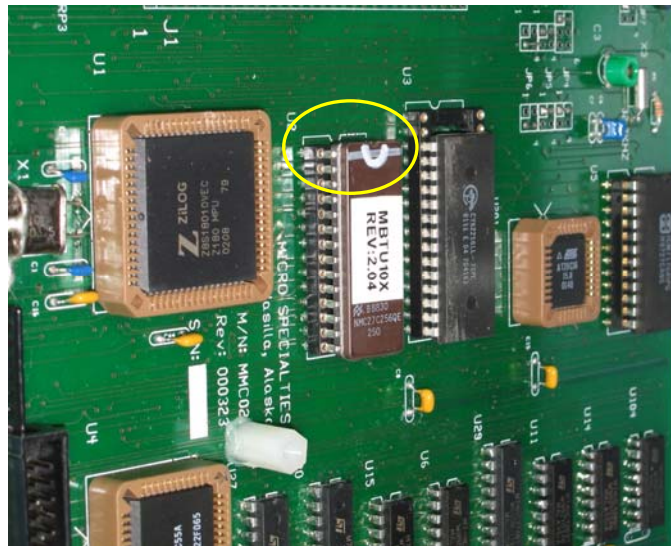


Figure 3 – Program Module Orientation

- Re-install the XINT02 Transceiver Interface PCB, while supporting the CPU PCB, so as to avoid damage to same.
- Power up the MicroMet and observe the Cold Start message on the console.
- Check the operational setup parameters in the MicroMet. Newer versions often add new parameters, or require changes to existing parameters. See the Revision Addendum for the version you are upgrading to: [MicroMet Documentation](#). These are the parameters normally required for version 2.04:
 - TXRATE 10
 - TXPERHOUR 100
 - STATPER 0
 - VERBOSE 5
 - CLREEPROM
 - ID [Your Network Address]

Contact [Micro Specialties, Inc.](#) for further information regarding your specific site's setup parameters.

The MicroMet should now be ready to go. Observe its STATs as usual to verify proper operation.