

AIR TECH NOTE

#2006-001

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Subject: Micro II evaporator panel backup chip

If you experience a memory loss on a FES MicroIIE panel you will have a long road ahead to replace all the panel zone configurations, defrost setups, temperature schedules, and defrost schedules. With the aid of an available backup chip you can store your panels present memory and have the chip available to install the recorded memory in the case of a memory loss. Zones temperature probes will still have to be calibrated. If downtime is very important I would strongly suggest this timesaving device.

- The destination chip is FES part # 725-000470-000 and one will be required per panel.
- One copy chip is required to create a backup chip.
- Call AIR Service Department for more information.

See Attachment: Procedure for Copying A Battery-Backed Ram on a MicroIIE

General

The following procedure will explain how to copy a battery-backed RAM (BBRAM) using a Micro IIE. The steps of the procedure must be followed and failure to do so could result in the Source BBRAM being erased.

Procedure

- 1) Turn off power to the Micro IIE control panel. Gently, remove chips located in positions U19, U20 and U26. For assistance in removing program chips, see MCP-57.
NOTE: If the BBRAM located in position U26 is the Source for copying, then it should be marked so that it isn't confused with the Destination BBRAM.
- 2) Place the chip marked **8K BBRAM COPY** into position U19, the Source BBRAM into position U20 and the Destination BBRAM into position U26 of the Micro IIE processor board. The Source BBRAM is the BBRAM which contains the valid data and the Destination BBRAM is the BBRAM which is going to be copied to.
- 3) After verifying that all of the chips are in the correct locations and are seated properly, turn on the power to the Micro IIE control panel. At this time, the following screen should appear:

<p>8K-RAM COPY PROGRAM</p> <table><tr><td>ADDRESS</td><td>DATA</td></tr></table>	ADDRESS	DATA
ADDRESS	DATA	

- 4) To begin copying, press the LOCAL START key (MANUAL STOP DEFROST key for Evaporator control panels).
- 5) After the copying is completed, the following will appear under the screen listed above:

<p>8K-RAM COPY IS VALID</p>

- 6) If there is an error in copying, the following will appear:

<p>DATA TRANSFER ERROR!</p>

Whenever this screen appears, turn the power off to the Micro IIE panel and try re-seating all of the chips. If the problem still exists, exchange the BBRAM in location U26.

- 7) To make another copy of the BBRAM in location U20, turn off the power to the Micro IIE panel and remove the BBRAM in location U26. Replace the BBRAM in location U26 with a new BBRAM and continue with step 3 above.

Assistance

If you have any questions regarding the above procedure, please contact the FES Service Department for assistance prior to attempting to copy the BBRAM.