C17-49018-00 46640 FIRMWARE UPGRADE KIT

Y2K Compliant

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About this Practice:

This practice has been reissued to:

• Document Eprom upgrade to achieve Y2K compliance.

Reissued Practices: Updated and new content can be identified by a banner in the right margin.

Issue date: February 1999

UPDATED

CAUTION

• Install or remove modules from the shelf only when the power is off. If you install a module in the shelf with the power on, the internal circuitry may suffer damage and the product warranty will be void.

• Remove and install circuit boards only in a static-safe environment (use antistatic wrist straps, smocks, footwear, etc.).

• Keep circuit boards in their antistatic bags when they are not in use.

• Do not ship or store circuit boards near strong electrostatic, electromagnetic, magnetic, or radioactive fields.

• For more complete information on electrostatic discharge safety precautions, refer to Bellcore™ Technical Reference # TR-NWT-000870.

ORDERING INFORMATION

NOTE: This section lists the different options available for this product. To order any of the available options, contact Dantel Inside Sales through our toll-free number, **1-800-432-6835.**

OPTION NUMBER	FEATURES
C17-49018-00	Basic upgrade kit to upgrade 46640-01 MAP Firmware to D17-46640-01.

INSTALLATION

The following instructions are for upgrading the firmware on the 46020 Multiple Alarm Processor (MAP) to D17-46640-01.

The upgrade kit consists of the following items:

♦ 1 EPROM, part number F82-00308-00

♦ 1 Identification label, D11-46020-40

♦ 1 Bar code label, RMPQADB7AA

Step 1

NOTE:

Observe electrostatic precautions when handling both the MAP and the E82-00308-00 EPROM.

1. MAPS equipped with 46640 firmware must be downloaded as a part of their configuration. The database in the MAP **will be lost** during this upgrade. Before taking the MAP out of service, verify that the database is intact in the T/Shell program that created it.

    The simplest method to ensure the integrity of your database is to upload it from the MAP into the T/Shell program. Refer to the T/Shell documentation for the procedure to accomplish this.

2. Remove the module to be upgraded and place the module on an ESD approved work area. The componant side should be up and the blue handle to the left.

3. The EPROM to be removed is located in the top left corner of the module (Refer to Fig. 1) and is labeled C82-00308-00. (Older units may be labeled A82 or B82.) Before removing this chip, note its orientation. (The notch is toward the top of the module.)

4. Remove the old EPROM by pulling straight up on the IC. It may be necessary to use a small screwdriver to gently pry the old EPROM up.

5. Set the old IC to the side.

6. Continue to step 2, but remain aware that after completing the upgrade, the database must be downloaded from the T/Shell program into the MAP.

CONTINUED . . .

Step 2

1. Install the replacement EPROM, labeled E82-00308-00, in the socket. Verify that the orientation is the same as the old EPROM.

2. Applying even pressure, push the IC into position. Exercise caution not to bend any pins on the IC.
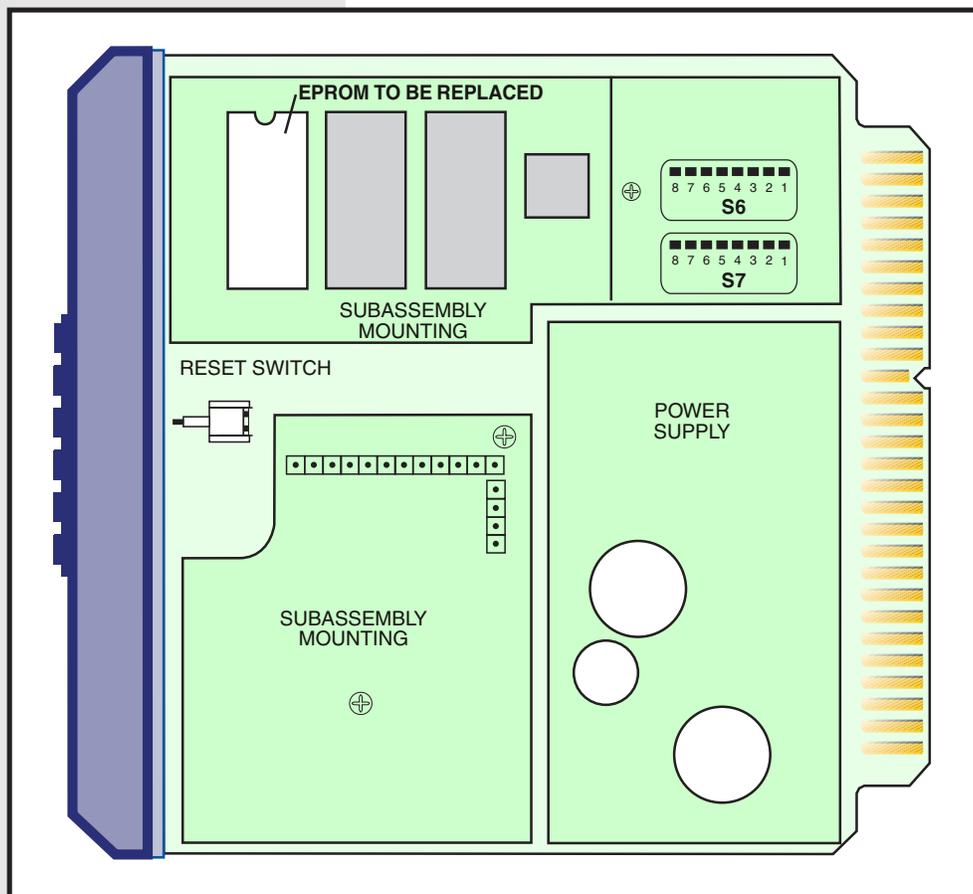
Step 3

1. On the firmware subassembly, just below the EPROM, is a label. If that label is marked A, B, or C17-46640-01, replace it with the new label D17-46640-01.

2. If there is an identification label at the bottom of the front panel marked C11-46020-40, replace it with the label marked D11-46020-40.

3. Remove the bar code label from the front of the blue handle and replace it with the new label that is marked RMPQADB7AA.

NOTE: *Don't forget that MAPs equipped with **46640** firmware will need to be redownloaded from the T/Shell program.*

4. This completes the MAP upgrade procedure.

FIG. 1 - 46020 MAP EPROM LOCATION

EPROM TO BE REPLACED

8 7 6 5 4 3 2 1
S6

8 7 6 5 4 3 2 1
S7

SUBASSEMBLY MOUNTING

RESET SWITCH

POWER SUPPLY

SUBASSEMBLY MOUNTING

WARRANTY

LIMITED WARRANTY

The Seller warrants that the standard hardware products sold will be free from defects in material and workmanship and perform to the Seller's applicable published specifications for a period of 18 months for hardware, and 3 months for software, from the date of the original invoice. The liability of the Seller hereunder shall be limited to replacing or repairing, at its option, any defective products which are returned F.O.B. to the Seller's plant, (or, at the Seller's option, refunding the purchase price of such products). In no case are products to be returned without first obtaining permission and a customer return authorization number from the Seller. In no event shall the Seller be liable for any consequential or incidental damages.

Equipment or parts which have been subject to abuse, misuse, accident, alteration, neglect, unauthorized repair or installation are not covered by warranty. The Seller shall make the final determination as to the existence and cause of any alleged defect. No warranty is made with respect to custom equipment or products produced to the Buyer's specifications except as specifically stated in writing by the Seller in the contract for such custom equipment.

This warranty is the only warranty made by the Seller with respect to the goods delivered hereunder, and may be modified or amended only by a written instrument signed by a duly authorized officer of the Seller and accepted by the Buyer.

Warranty and remedies on products not manufactured by the Seller are in accordance with warranty of the respective manufacturer. THE SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED; AND ALL IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEEDS THE AFORESAID OBLIGATIONS IS HEREBY DISCLAIMED BY THE SELLER.

IN CASE OF DIFFICULTY

If you experience difficulty with this equipment, check the following, as appropriate:

1. **Switch settings**
2. **Signal levels**
3. **Software configuration**
4. **Connections between Dantel's equipment and your equipment.**

If there is still a problem, substitute equipment that is known to be good. For additional assistance, call Dantel's Technical Field Service Department weekdays, 6 A.M. to 5 P.M. pacific time:

1-800-4DANTEL (1-800-432-6835).

If a thorough checkout shows a piece of equipment has malfunctioned, you may return it to the factory. For repairs and emergency replacements, obtain a Return Material Authorization (RMA) number from the Customer Service Representative at **1-800-4DANTEL** (1-800-432-6835).

To ensure expedient processing of your order, provide a purchase order number and shipping and billing information when requesting an RMA number. Also, when the units are returned to Dantel, include a description of the failure symptoms for each unit returned. Send defective equipment to:

Dantel, Inc. • 2991 North Argyle Avenue • Fresno, California 93727-1388

Dantel