



# Y2K FIRMWARE UPGRADE KITS

## FOR DANTEL MULTIPLE ALARM PROCESSORS EQUIPPED WITH 46600-35 FIRMWARE

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#### About this Practice:

This practice has been reissued to:

- Reflect the change from C17-46600-38 firmware to D17-46600-38.

**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

UPDATED

**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
C17-49004-00	Y2K Firmware Upgrade Kit

# GENERAL DESCRIPTION

UPDATED

The following instructions are for upgrading the firmware from 46600-35 to a D17-46600-38 on the 46020 Multiple Alarm Processor (MAP).

The C17-49004-00 Upgrade Kit contains:

- ◆ New Firmware Subassembly.
- ◆ Two (2) standoffs.
- ◆ Two (2) labels.

# INSTALLATION

This procedure involves removing and replacing the MAP's Firmware subassembly. Refer to Fig. 1 for the location of this board on the MAP.

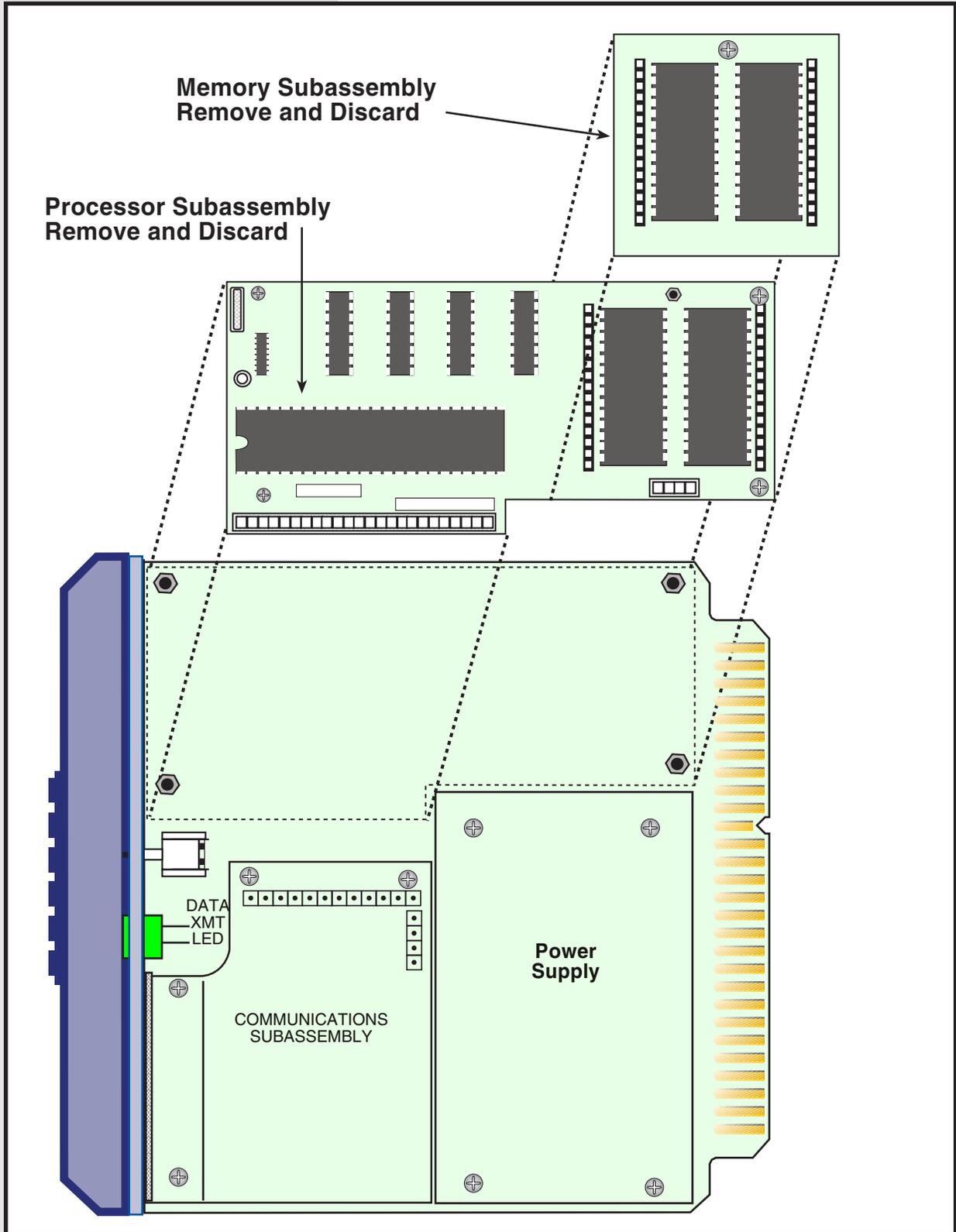
**CAUTION:** *Observe all appropriate electrostatic precautions when handling the MAP and its subassemblies.*

## Remove the old subassembly

1. Remove the old Memory Subassembly by removing the single screw (save the screw) that attaches the subassembly to the Processor board and prying up on the subassembly. Discard this subassembly.
2. Remove the Processor Subassembly from the MAP mother board by removing the four screws (one near each corner of the board; save the screws) and gently prying up on the subassembly. Discard the -35 subassembly.

# INSTALLATION

FIG. 1 - OLD MAP SUBASSEMBLY LOCATIONS



# INSTALLATION

## Install the new -38 subassembly

1. On the new -38 Processor and Memory subassembly, remove the Switch Subassembly by removing the one screw located near the center of the switch subassembly, next to the connector (save the screw), and gently pry it up. Refer to Fig. 2.
2. Install the new Processor and Memory subassembly on the MAP mother board. Verify that all the pins are correctly inserted into the proper connectors.
3. Install two of the four screws removed in step 2 of the previous section into the two standoffs nearest the module's handle. This secures the subassembly to the mother board.
4. Install the two new standoffs into the existing standoffs located near the mother board's edge connector.
5. Reinstall the Switch Subassembly removed in step 1. Verify that all the pins are correctly inserted into the proper connectors. Secure the Switch Subassembly by installing three screws; one that was removed in step 1 of this section, and two that were removed in step 2 of the previous section.

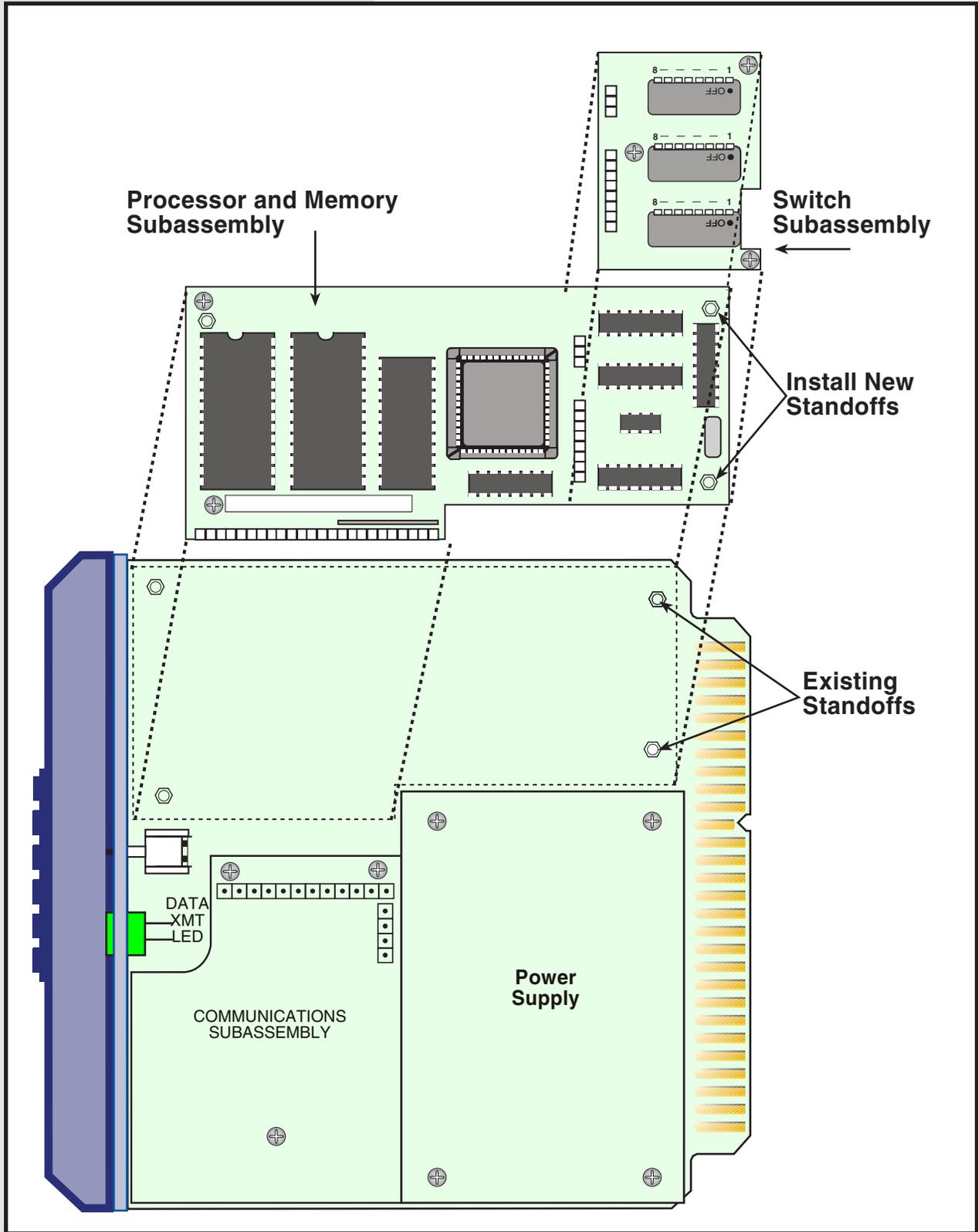
## Labels

1. Remove the bar code label from the front of the blue handle and replace it with the new label that is marked RMPQADF7AA.
2. Place the C11-46020-38 label at the bottom of the front panel, covering up the old number.

UPDATED

# INSTALLATION

FIG. 2 - NEW MAP SUBASSEMBLY LOCATIONS



# 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**



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