Dantel

Y2K Compliant

46020 MAP FIRMWARE UPGRADE INSTRUCTIONS

FROM VARIOUS FIRMWARE PACKAGES TO D17-46640-01

Table of Contents

About this Practice:

This practice has been reissued to:

- Reflect the change from C17-46640-01 firmware to D17-46640-01

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

Issue date: February 1999

UPDATED

<div class="caution">

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.

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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
D17-49005-00	Y2K Firmware Upgrade Kit

GENERAL DESCRIPTION

The following instructions are for upgrading the firmware on a 46020 Multiple Alarm Processor (MAP) from any pre-existing firmware package to a D17-46640-01.

The D17-49005-00 Upgrade Kit contains:

♦ New Firmware Subassembly; D17-46640-01.

♦ 1 Identification label, part number 951-00260-02.

♦ 1 Bar code label, part number 951-00199-15.

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. Tools required to complete the modification are:

♦ Phillips screwdriver (small)

♦ 3/16" hex nut driver

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

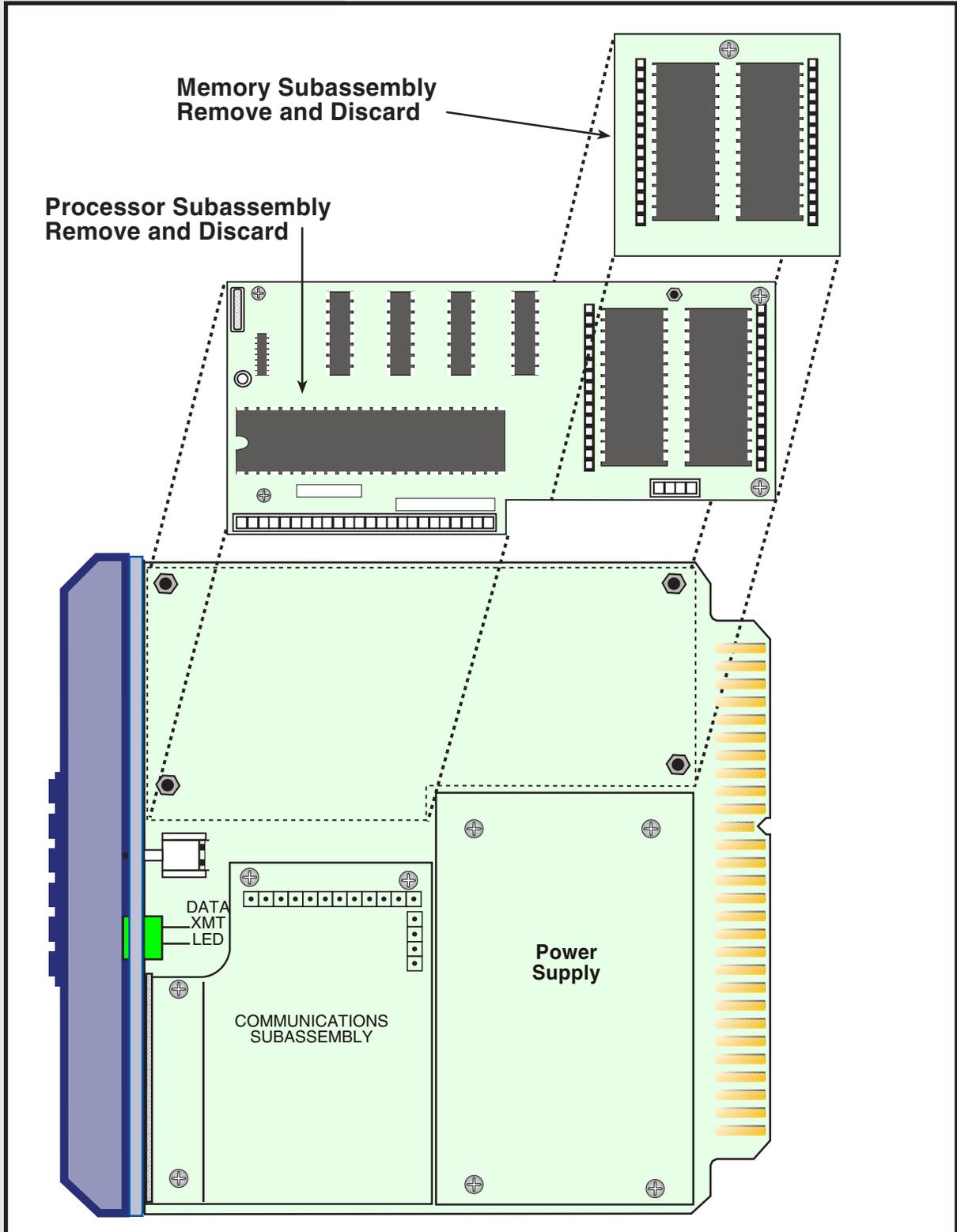**Remove the old subassembly**

1. Remove the module to be upgraded and place it on an ESD approved work area, component side up, with the blue handle to the right. The firmware subassembly to be removed is located above the row of four DIP switches.

2. The subassembly consists of two printed circuit boards. Remove the two screws from the smaller printed circuit board on the left side of the subassembly and set them aside. They will be needed later. Pull this smaller subassembly up and out of its connector.

CONTINUED . . .

INSTALLATION

3. Remove the standoffs and screws from the larger printed circuit board (save them for installing the replacement board) and pull it out of its connector.

FIG. 1 - OLD MAP SUBASSEMBLY LOCATIONS

Memory Subassembly Remove and Discard

Processor Subassembly Remove and Discard

DATA
XMT
LED

Power Supply

COMMUNICATIONS SUBASSEMBLY

INSTALLATION

Install the new -40 subassembly

1. Separate the two boards of the replacement subassembly.

2. Install the larger board by inserting the pins into the connectors, being careful not to bend any pins. Install the screws and standoffs removed in step 3 of the previous section. Refer to Fig. 2.

3. Install the smaller circuit board into its connectors on the larger board and fasten it down with the screws removed in step 2 of the previous section.
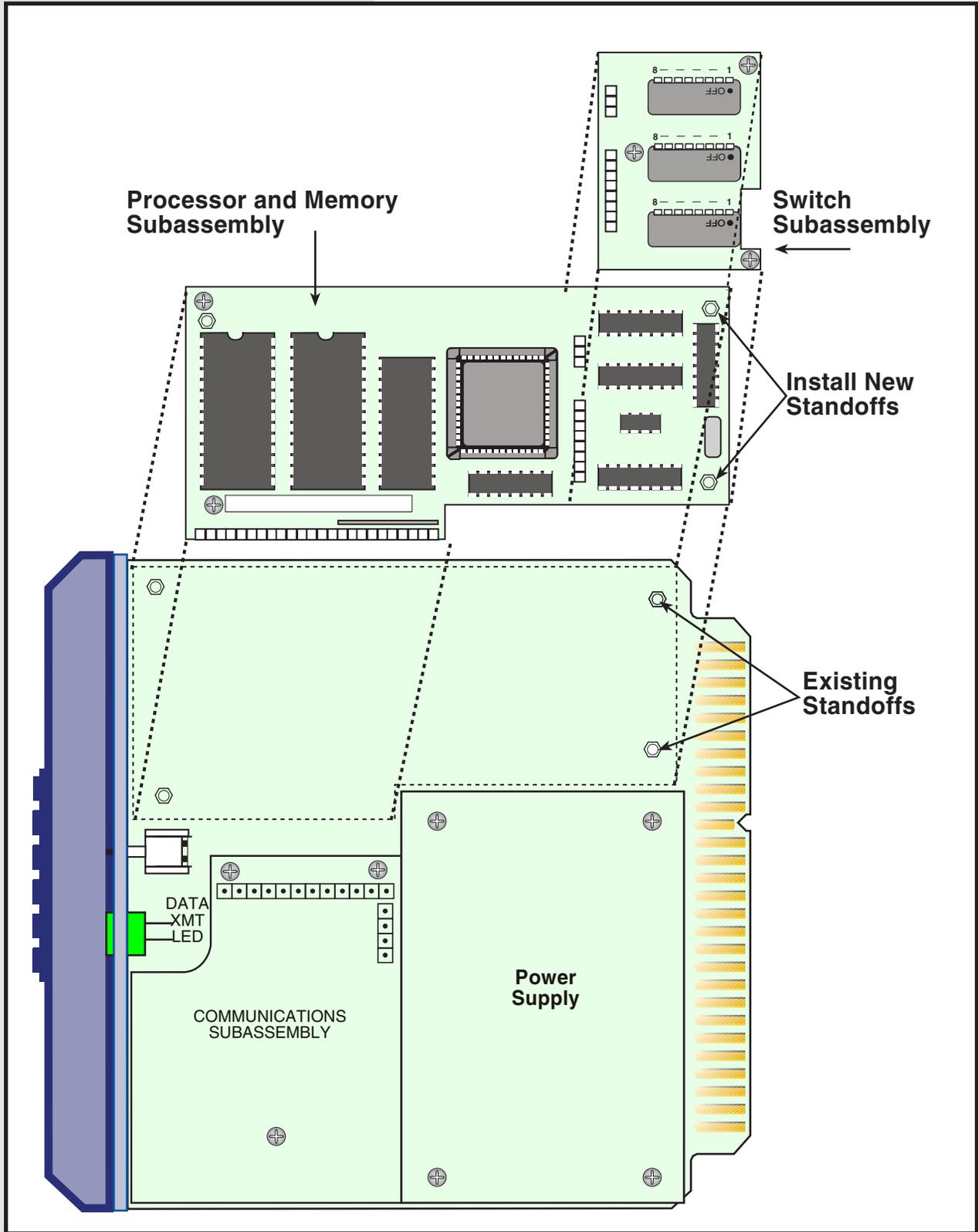
Labels

1. Remove the bar code label from the front of the blue handle and re-place it with the new label that is marked RMPQADB7AA.

2. Place the D11-46020-40 label at the bottom of the front panel, covering up the old number.

UPDATED

D17-49005-0299 <90-00179>

Fig. 2 - New Map Subassembly Locations

Processor and Memory Subassembly

Switch Subassembly

Install New Standoffs

Existing Standoffs

DATA XMT LED

COMMUNICATIONS SUBASSEMBLY

Power Supply

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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