C531M-A (8/99)
CM6700 CPU and
Software Upgrade Instructions

This upgrade kit is designed for upgrading CM6700 matrix switchers to the latest software revision. By installing this PROM, the CM6700 will operate with 3.02 software. Contact Pelco 24-hour technical support at (800) 289-9100 with any questions or concerns about the procedures described below.

Contents of this package:

1   CM6700 CPU, p/n ICO80C32-24
1   CM6700 software PROM, version 3.02, p/n IC53-0021-0300
1   Chip puller

To change the CPU and PROM chips on the CM6700 motherboard:

1.   Unplug the system.

2.   Remove the top cover of the switcher/controller unit. **If you have an MXB2, proceed to step 4.**

IMPORTANT: *Performing the CM6700 upgrade erases all programmed information. You should document all programming information before proceeding.*

3.   MXB4 models require the removal of the two-monitor expansion card to reach the PROM chips. The two-monitor expansion card is the 5-inch x 11-inch printed circuit board mounted to the motherboard.

Do the following process carefully to avoid damaging sensitive electronic components.

a.   Remove the five screws and washers holding the expansion card in place.

Do not try to pull the expansion card out all at once. There are 128 connecting pins on the card and removal takes patience.

b.   Lift along the exposed edge of the card at each connector, a little at a time, until the card is removed. Put it safely aside.

⚠ **CAUTION:** *Only qualified personnel observing electrostatic discharge (ESD) precautions should perform the procedures in this document. Always wear a grounding strap connected to an approved grounding source when working on or around exposed electronic components. Handle circuit boards by their edges.*

4.   Remove the old CPU and PROM chips (see Figure 1) from their sockets using the chip puller included in this package. Work the parts out slowly to avoid damaging the sockets.

5.   Remove the new CPU and PROM chips from the electrostatic bag and verify that their pins are straight.

6.   Orient each chip using the alignment notch as a guide (see Figure 1). Verify pin-to-socket alignment and carefully press each chip into its socket until completely seated. **If you have an MXB2, proceed to step 10.**

7.   Very carefully position the two-monitor expansion card for installation. **Be absolutely sure** the pins on the expansion card are completely aligned with the connectors on the motherboard.

8.   Once the pins are aligned, press the expansion card into place until the connector pins are completely seated.

9.   Replace the washers and screws that hold the expansion card and tighten.

10.   The installation is complete. Replace the cover and apply power.
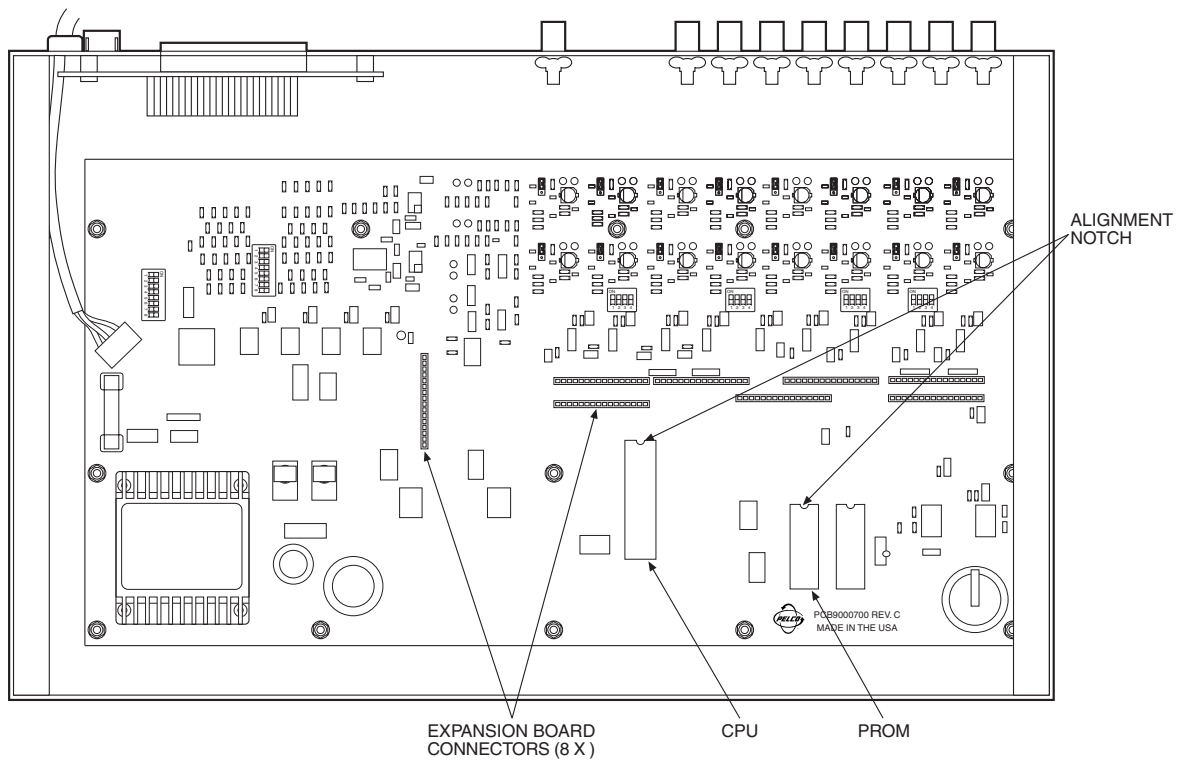
ALIGNMENT NOTCH

EXPANSION BOARD CONNECTORS (8 X)

CPU

PROM

Figure 1. CM6700 Motherboard without Two-Monitor Expansion Card

REVISION HISTORY

Manual #	Date	Comments
C531M	11/97	Original version. Upgrade to Ver. 2.0 software.
C531M-A	8/99	Upgrade to Ver. 3.02 software.