

Field Modification Note

075068600

REFERENCE ECO: **476H**

EFFECTIVITY DATE: **FEBRUARY 13, 2002**

KALYPSO

MIX EFFECTS MODULE (671-4920-00, 671-4920-01)

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The www.grassvalleygroup.com web site offers the following:

Online User Documentation — Current versions of product catalogs, brochures, data sheets, ordering guides, planning guides, manuals, and release notes in .pdf format can be downloaded.

FAQ Database — Solutions to problems and troubleshooting efforts can be found by searching our Frequently Asked Questions (FAQ) database.

Software Downloads — Software updates, drivers, and patches can be downloaded.

Field Modification Note

This procedure describes a modification to the Kalypso Video Production Center Mix Effects (M/E) Modules 671-4920-00 and 671-4920-01.

Note Grass Valley Group will modify these modules at no cost. Contact Grass Valley Group Customer Service for a Return Material Authorization (RMA). Then send the modules with the RMA to Grass Valley Group. Advance exchange is not available with this free offer.

Purpose

The 671-4920-00 and 671-4920-01 version M/E Modules have a problem where if Key 2 is not being driven with a video signal (an unused input) or is driven by a signal that is breaking up, the Key 3 signal can break up. Key 2's carrier detect (CD) signal runs underneath Key 3's CDR loop filter so if Key 2 has a garbage source selected it can make the CD signal erratic which can throw Key 3 out of lock. This problem is fixed by removing a resistor and adding a short insulated wire.

Materials

You will need a half inch length of thin, insulated wire (not supplied), and the tools and skills required for soldering surface mount components.

CAUTION Grass Valley Group takes no responsibility for equipment damage resulting from modifications performed by customers.

Instructions

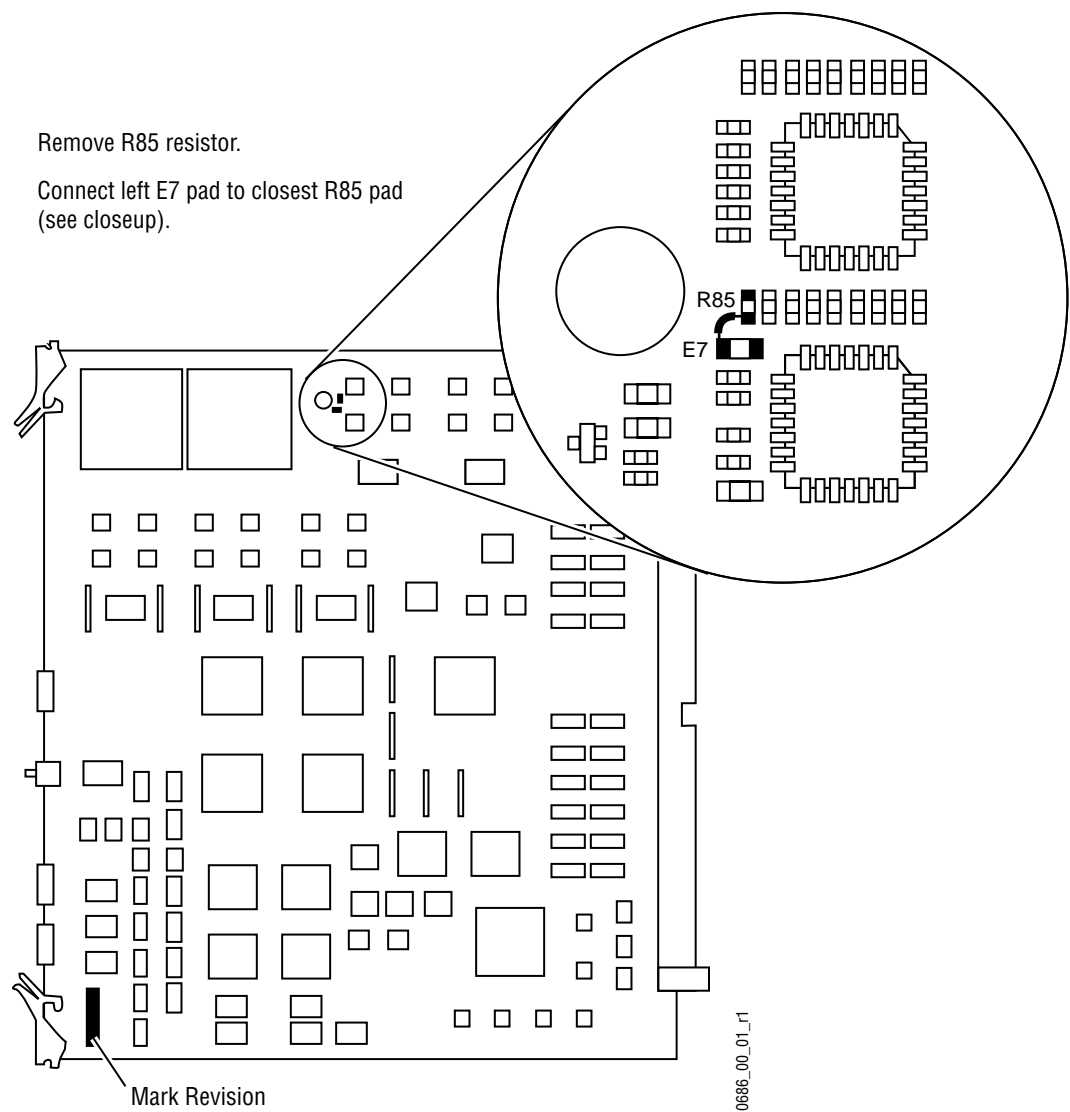
All modules with the above part numbers need to be modified (4-M/E systems have four modules, and standard 2-M/E systems have two modules). Refer to [Figure 1 on page 4](#).

CAUTION Static sensitive components may be damaged by electrostatic discharge. Use anti-static procedures, equipment, and surfaces during servicing.

1. Open the front access door of the Kalypso Video Processor frame and remove one of the M/E Modules from its slot (A11-A14).
2. Lay the module on its back side onto an anti-static surface.
3. Carefully de-solder and remove **R85**, located near the upper middle portion of the module.

4. Connect the left **E7** pad to the closest **R85** pad using about one-half inch of thin insulated wire, as shown in [Figure 1](#).
5. Label the module with the revision using an indelible pen:
 - Mark a modified -00 module Rev to **D1**.
 - Mark a modified -01 module Rev to **C1**.
6. Replace the module in the Video Processor frame.
7. Repeat the above steps with each remaining unmodified M/E module in the Kalypso system.

Figure 1. M/E Module Modification





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