

# Kalypso and Zodiak

VIDEO PRODUCTION CENTER

## Field Modification Note



REFERENCE ECO: 163M

075077500  
19 December 2005

*the most watched worldwide*

# Contacting Grass Valley

Region	Voice	Fax	Address	Web Site
North America	(800) 547-8949 Support: 530-478-4148	Sales: (530) 478-3347 Support: (530) 478-3181	Grass Valley P.O. Box 599000 Nevada City, CA 95959-7900 USA	www.thomsongrassvalley.com
Pacific Operations	+852-2585-6688 Support: 852-2585-6579	+852-2802-2996		
U.K., Asia, Middle East	+44 1753 218 777	+44 1753 218 757		
France	+33 1 45 29 73 00			
Germany, Europe	+49 6150 104 782	+49 6150 104 223		

Copyright © Grass Valley. All rights reserved.

## Grass Valley Web Site

The [www.thomsongrassvalley.com](http://www.thomsongrassvalley.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.

# ***FMN 075077500***

*Effectivity Date: 19 December 2005*

## **SBC1000 Fan Replacement for Kalypso and Zodiak Switchers**

### **Purpose**

The fan included with this Field Modification Note replaces the original fan installed on the SBC1000 processor mezzanine board shipped with the Kalypso and Zodiak switchers. The new fan has a much longer life to prevent frequent replacements in the future.

### **Parts List**

A new replacement fan (Part # 721000300) is supplied to be used as a replacement for the fan installed on any of the four boards listed on [page 4](#).

### **Required Tools**

The following tools are required for installation, but are not supplied:

- Medium flat blade screwdriver,
- Medium Philips cross head screwdriver,

## **SBC1000 Fan Replacement Procedure**

The SBC1000 (Part # 6716448-00/10) is a mezzanine processor board that is mounted on each of the following 4 board assemblies:

- Kalypso Classic Frame processor (Part # 671492702)
- Zodiac Frame processor (Part # 671634602)
- Kalypso HD Frame Processor (Part # 671648100)
- Kalypso HD Still Store board (Part # 671648200)

You need to locate each board installed in your facility and replace the fan on the SBC1000 for each still store or frame processor board.

**WARNING Avoid exposed circuitry** — Do not touch exposed connections, components or circuitry when power is present.

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

1. Remove the processor or board from the frame.

2. Look for the SBC1000 mezzanine processor board located on the board you have just removed ([Figure 1](#)).

*Figure 1. Top view of Kalypso Classic Frame processor board with SBC1000 at upper right*

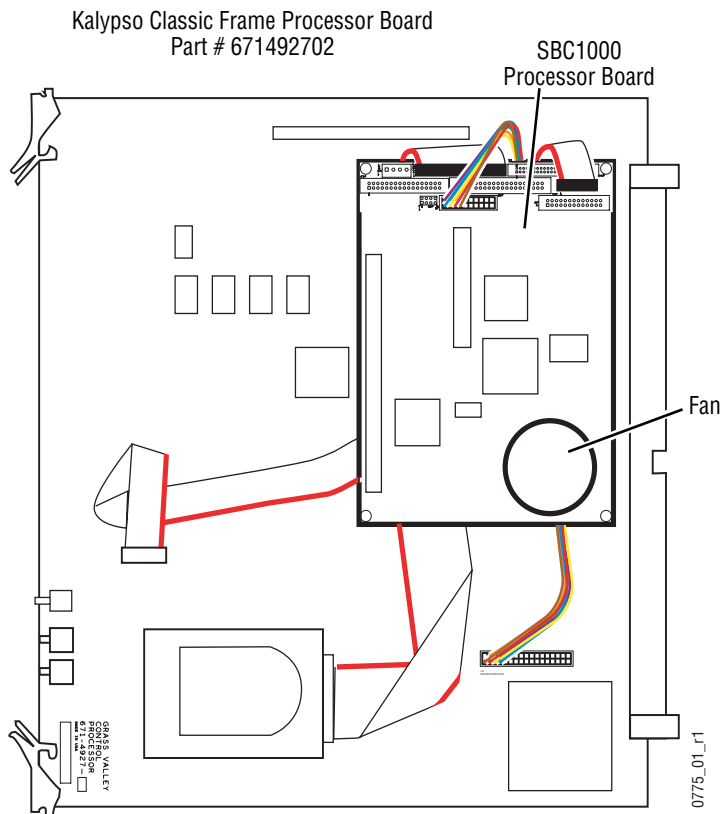
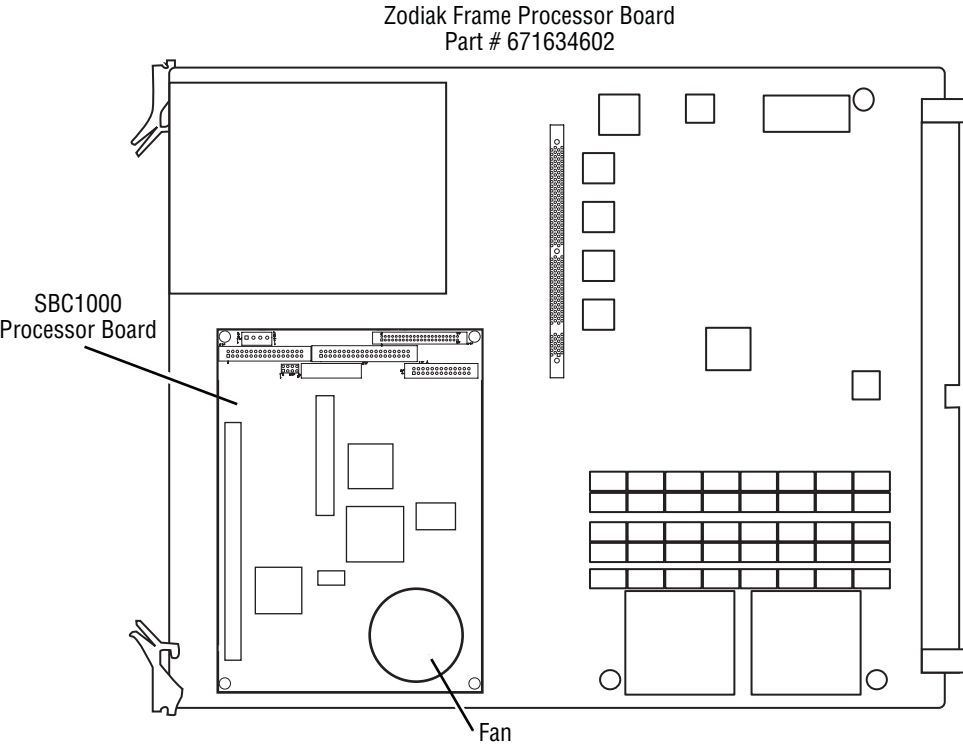
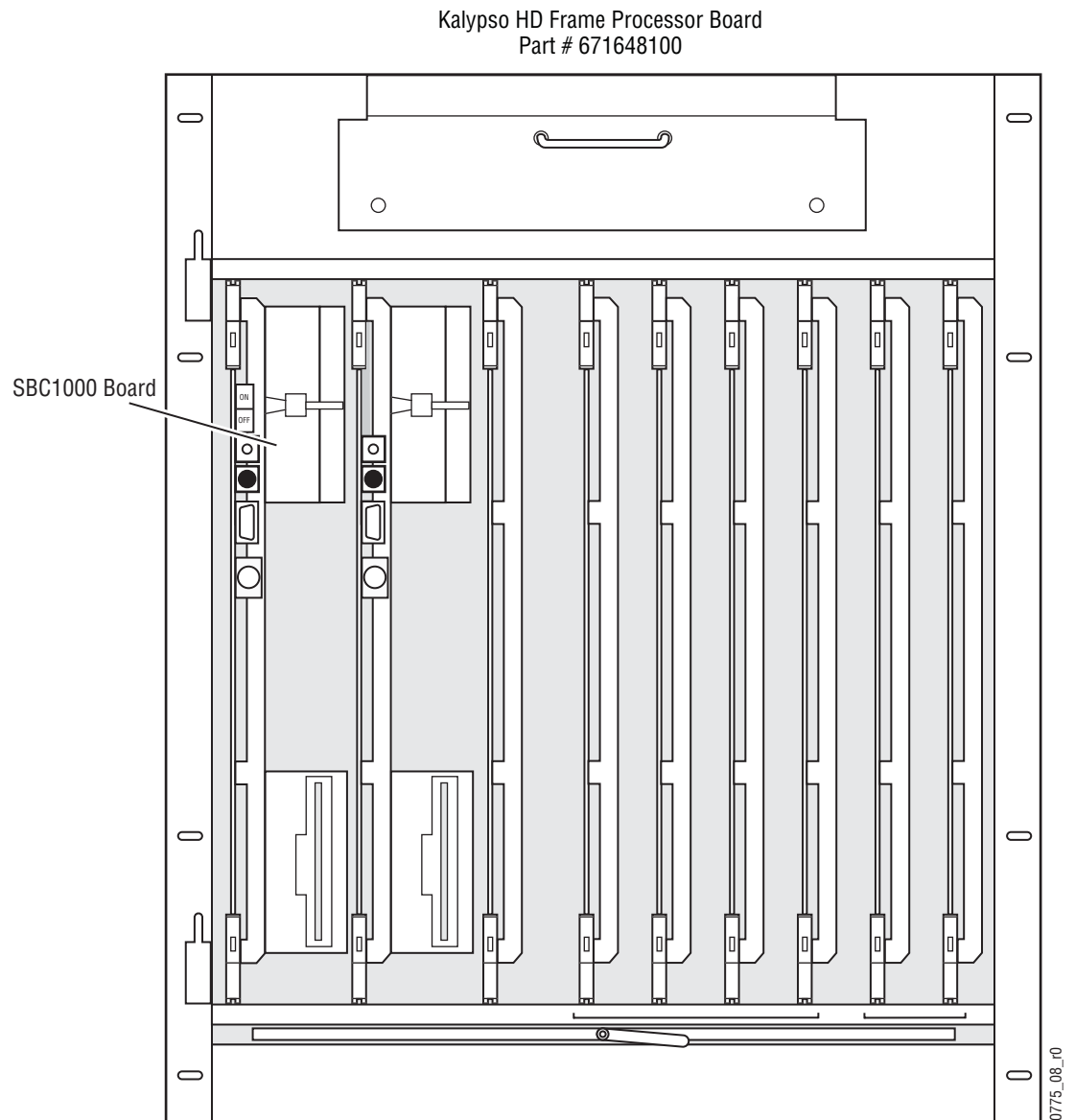


Figure 2. Top view of Zodiac Frame processor board with SBC1000 at lower left

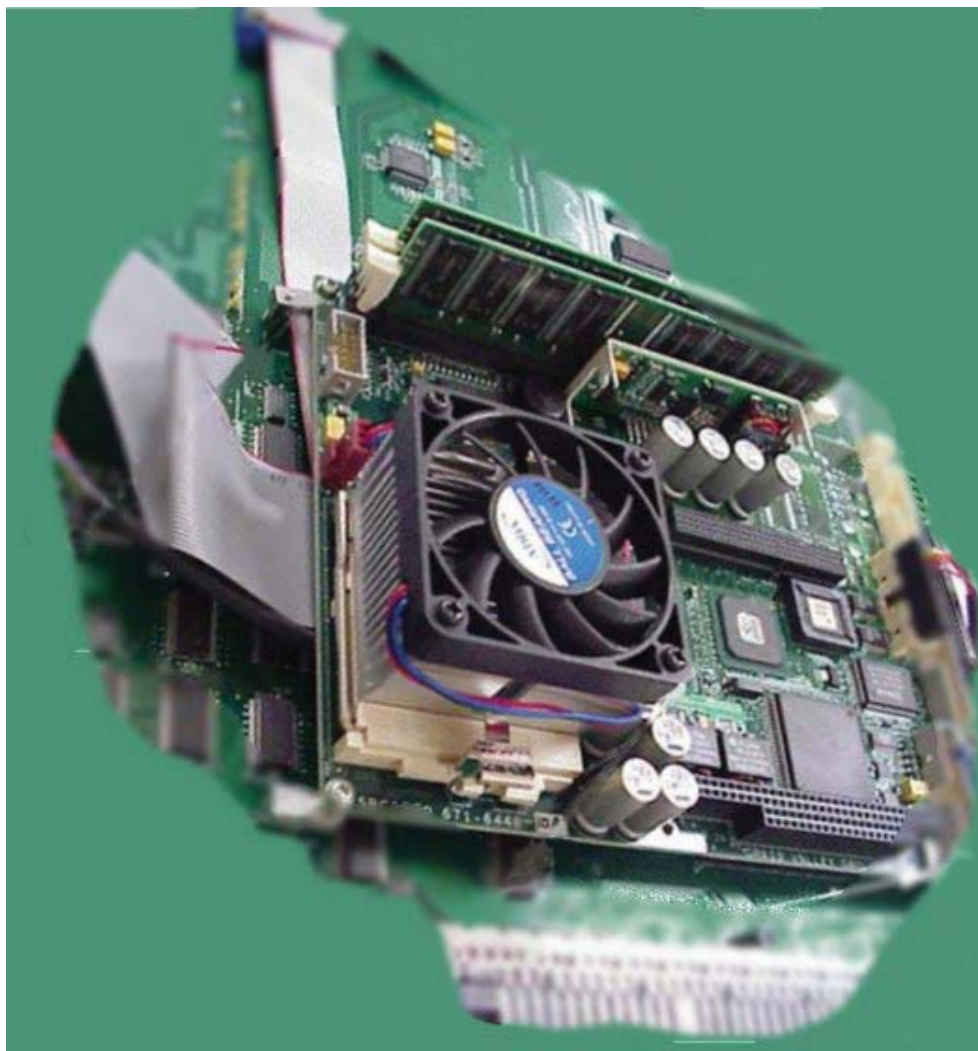


*Figure 3. Top view of Kalypso HD Frame and Still Store processor board with SBC1000*



- 3.** Locate the fan on the SBC1000 board. (See [Figure 4.](#))

*Figure 4. SBC1000 Board with old fan*



0775\_03\_r1

- 4.** Unplug the power connector to the fan.
- 5.** Remove the 4 corner screws holding the fan to the board.

- 6.** Remove the old fan (Part # 214498500).

*Figure 5. New fan (mount with label facing down)*



7. Place the new fan (Part # 721000300) with the airflow facing into the heat sink (label down).

*Figure 6. New fan with label facing down*



8. Screw in the 4 screws.

**CAUTION** Take care not to get any metal shavings on the assembly. Metal shavings could cause a short and destroy the electronic circuitry.

9. Connect the power plug to the new fan.

**CAUTION** Make sure the plus (+) and minus (-) leads on the fan power plug are connected properly.



075077500