

SECTION 18

REMOTE JACK AND FAN ASSEMBLIES

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SECTION 18

REMOTE JACK AND FAN ASSEMBLIES

18.1 TECHNICAL DESCRIPTIONS

18.1.1 Remote Jack Assembly

The Remote Jack Assembly accepts input from an optional wired remote keypad. Use of this jack disables the use of the IR remote keypad.

18.1.2 Fan Assemblies

The projector has four fans, two mounted to each side panel, to keep the projector electronics cool during operation. Each fan assembly consists of a fan with a passive filter to prevent electrical noise from entering the video and control circuitry.

18.2 SERVICING AND ALIGNMENT

18.2.1 Remote Jack Assembly

Disassembly and Access

Module Location:

- ▶ rear panel card rack

Tools & Equipment Required:

- ▶ Phillips screw driver

a) Locate the Remote Jack Assembly (to the left side of the rear panel). Remove the two Phillips screws from the Remote Jack back plate.

b) Move the back plate about 2" away from the projector and disconnect the M23-P1 connector. The assembly (with the back plate) may be removed.

c) Remove the two screws securing the Remote Jack Assembly from the back plate.

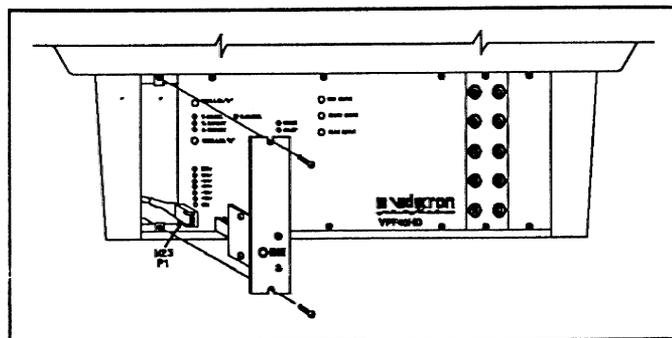


FIGURE 18-1. Remote Jack Removal 02080629

Alignment and Adjustments

The Remote Jack Assembly does not require alignment.

18.2.2 Fan Assemblies

Disassembly and Access

Module Location:

- ▶ left and right side panels

Tools & Equipment Required:

- ▶ 1/4" hex head socket driver

a) Remove the 3 hex head screws securing the side panels to the projector frame. Gently pull each panel down. Move the panels about 3" away from the projector body.

b) The fans are mounted to the side panels (2 each). Each fan is electrically connected to the projector by a wire harness which leads to the Mother Board. Locate the small fan-filter printed circuit board on each Fan Assembly. Disconnect the wire harnesses at the circuit board(s).

c) Remove the two hex nuts which secure the fan to the side panel. See Figure 18-2.

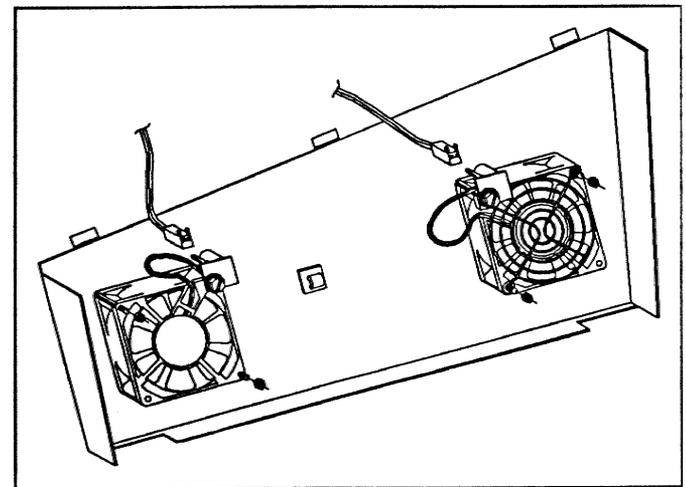


FIGURE 18-2. Fan Removal 02080630

Alignment and Adjustments

The Fan Assembly does not require alignment.

18.3 COMPONENT LAYOUT AND SCHEMATICS

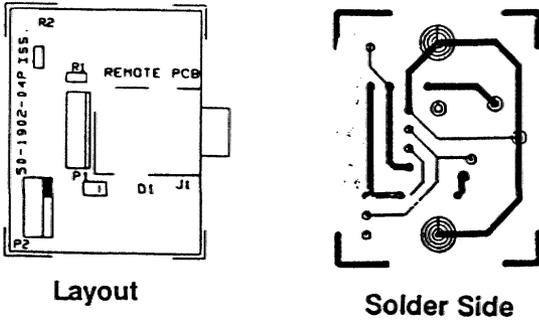


FIGURE 18-3. Remote Jack Component Layout

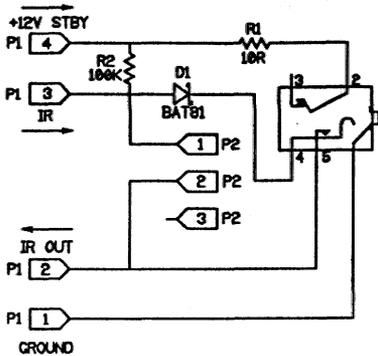


FIGURE 18-4. Remote Jack Schematic
00-260104-01P

18.4 PARTS LIST

18.4.1 Remote Jack Assembly

Item Ref.	Part No.	Description
Transistors and Diodes		
D1	D-14-000533-01P	BAT81, Schottky barrier diode
Resistors		
R1	R-80-110095-11P	10R, 1/2W, 5%, metal film
R2	R-80-110035-11P	100K, 1/2W, 5%, metal film

18.4.2 Fan Filter

Item Ref.	Part No.	Description
Capacitors		
C1	C-44-447103-06P	470 μ F, 16V
Resistors		
R1	R-80-130095-11P	30R, 1/2W, 5%, metal film

FIGURE 18-5. Fan Filter Component Layout

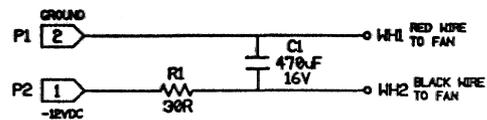


FIGURE 18-6. Fan Filter Schematic
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