PSN IIICO-1

CUSTOMER ENGINEERING

PRODUCT SERVICE NOTICE

DATE: 1/14/80

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CLASSIFICATION — PERIPHERALS

CATEGORY — PRINTERS PLOTTERS

PRODUCT/APPL. — GENERAL TECHNICAL (PRINTERS)

SEQUENCE # — 1

TITLE:

VS SYSTEMS PARALLEL AND SERIAL PRINTER DIFFERENCES

This PSN lists the differences between the parallel and serial versions of printers used on the VS System. There are three printer models currently offered in parallel and serial versions, as follows:

SERIAL MODEL #	DESCRIPTION	PARALLEL MODEL #
5521	220-cps Matrix Printer	2221V
5531-2	120-cps Matrix Printer	2231V-2
5573	250-lpm Band Printer	2273V-1

NOTE:

The Model 2263V Chaintrain Printers are no longer offered in parallel versions. However, a description of the differences that exist between the parallel and serial versions of this printer is included here because parallel versions of the 2263V are still supported in the field.

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Printed in U.S.
13-5852 12-79

2221V/5521 PRINTERS

The 5521 (serial) printer differs from the 2221V (parallel) printer as follows:

A) Data is transmitted to the 5521 through a 270-0391 Printer Interface Assembly, located on the rear of the printer stand.

B) A 210-6727D PCB is used in the 5521 printer in place of the 210-7028 PCB used in the 2221V.

C) A 210-7076-2 PCB is used in the 5521 in place of the 210-7076 PCB used in the 2221V.

D) An additional print-head cooling fan (279-0304) is installed in the 5521 printer to dissipate heat generated by the underscore solenoid. This solenoid is not used in the 2221V printer.

E) For improved air flow, a 279-5070-47 Carriage Assembly is used in the 5521 printer. A 279-5070-19 Carriage Assembly is used in the 2221V printer.

F) A 271-1129 (serial) Keyboard Assembly is installed on the 5521 printer; a 271-1109 (parallel) Keyboard Assembly is installed on the 2221V printer.

G) Depending on the desired application, the 2221V connects to either a 22V01 IOP for local use or a 2246R Remote Workstation for remote use. The 5521 connects to a 22V07 IOP.

2231V/5531-2 PRINTERS

Differences between the 2231V (parallel) and 5531-2 (serial) printers are as follows:

A) Data is transmitted to the 5531-2 through a 270-0391 Printer Interface Assembly, located on the rear of the printer stand.

B) A 210-7160D PCB is used in the 5531-2 in place of the 210-6760 PCB used in the 2231V.

C) The 210-6761 PCB installed in the 5531-2 must be wired for option two.

D) A 271-1128 (serial) Keyboard Assembly is installed on the 5531-2 printer; a 271-1123 (parallel) Keyboard Assembly is installed on the 2231V printer.

E) The 2231V connects to either a 22V01 IOP for local applications or a 2246R Remote Workstation for remote applications. The 5531-2 connects to a 22V07 IOP.

2273V/5573/5574 PRINTERS

The 2273V (parallel) printers differ from the 5573 and 5574 (serial) printers as follows:

A) Data transmitted to the 5573 and 5574 printers is routed through a 270-0391 Printer Interface Assembly, located on the printer stand.

B) There is no Forms Length Select Switch (FLSS) on the 5573 and 5574 printers.

C) The Six/Eight LPI-Select switch on the 5573 and 5574 printers is disabled.

D) A 210-7521 Keyboard Interface PCB is added to the 5573 and 5574 printers to allow the use of the printer interface assembly.

E) The standard 36-pin AMP connector located on the I/O harness of the 5573 and 5574 printers connects to the printer interface assembly. This allows the transmission of data between the printer and the IOP, through the printer interface assembly.

F) An RS-232-C connector is added to the I/O harness on the 5573 and 5574 printers. This connector allows the printer status and state to be transmitted from the keyboard assembly to the IOP, through the 210-7521 Keyboard Interface PCB and the printer interface assembly.

G) The 2273V-1 and 2273V-2 connect to a 22V01 IOP for local applications, and to a 2246R Remote Workstation for remote applications. The 5573 and 5574 connect to a 22V07 IOP.

Future versions of the band printer will be converted to serial by adding a 210-7519 Motherboard and a 210-7520 Daughterboard to the Dataproducts card assembly. These two boards will replace all 270-0391 Printer Interface Assembly components and the 210-7521 PCB.

2263V/5570/5571 PRINTERS

The 5570 and 5571 (serial) printers differ from the 2263V (parallel) printer as follows:

A) Data is transmitted to the 5570 and 5571 printers through a 279-0348 Chain Printer Interface Assembly, located on top of the printer card cage.

B) A 271-1193* keyboard assembly is installed in the 5570 and 5571 printers. A 271-1194* assembly is installed in 2263V printers.

* Used on Type II Wang covers.

C) The etch at connector B, slot 2, pin 3 of the 210-7388 Motherboard on the 5570 and 5571 printers is cut, inhibiting automatic top-of-form.

D) The 210-7387 PCB on the 5570 and 5571 printers is jumpered, to suppress automatic line feed.

E) A 36-pin AMP connector plugs into J2 of the 210-7387 DPC/CNTX I/O Adapter PCB of the 5570/5571 printers. This connector allows the transmission of data between the IOP and the printer, through the interface assembly.

F) An RS-232-C connector plugs into the control panel of the 5570 and 5571 printers. This connector allows the transmission of printer status and state from the keyboard assembly to the printer I/O PCB, through the interface assembly.

G) On the 5570 and 5571 printers, the TNC/BNC cables from the I/O interface assembly connect to a mount on the lower right side of the printer stand.

H) On newer model printers, the AC cord for the 279-0348 Chain Printer Interface Assembly is wired directly into the printer power supply at TB2 of the 210-7472 Sequencer PCB. (Refer to CSNL #124.) On older model printers, the AC power cord plugs into a receptacle located on the printer stand.

I) The 210-7472 Sequencer PCB replaces the 210-7382 PCB on the 5570 and 5571 printers (CSNL #124). The 7472 PCB employs an additional triac, Q14, to sequence up the interface assembly.

J) The 2263V connects to a 22V01 IOP for local applications, and to a 2246R Remote Workstation for remote applications. The 5570 and 5571 connect to a 22V07 IOP.

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