

1980 SERVICE KIT UPDATE (CONT.)

parts must be ordered and placed in the indicated locations in the 1910 to provide the necessary special test signals.

<u>Circuit #</u>	<u>Part Number</u>
U870	160-2099-00
U872	160-2100-00
U880	160-2101-00
U885	160-2102-00
U890	160-2103-00

Two new connectors are specified for 1910 operation. P/N 131-0325-03 is for RS232 Enable and is electrically and mechanically the same as P/N 131-0325-02. (A label was added). P/N 131-0325-04 is for Digital Sweep Enable and can be ordered separately.

For the user that has purchased a 067-1115-01 kit, but only has access to a 1900, the special signal PROM's for the 1900 are no longer provided in the kit. The required parts can, however, be purchased separately as a kit, P/N 020-0882-00.

The revised manuals (Ref.) give the information necessary for the use of the kit, the new parts and specs involved, and the changes (parts lists and schematics) for the new VDC2.

W2 Issue 14-10

1980/4105 COMPATIBILITY

REF: Applications Manuals for --
Opt. 1, 061-2331-00
Opt. 2, 070-4328-00
Opt. 3, 070-4317-00
Opt. 4, 070-4655-00
Opt. 5, 070-4757-00
Opt. 6, 070-4791-00

1980 Terminal Driver Manual,
070-2922-00

4105 Programmer's Reference
Manual, 070-4526-01

A recent field call pointed out a small compatibility problem when the 4105 is used as the master terminal for the 1980.

The basic problem is:

- Setting the 1980 up for the proper terminal type.
- Setting the 4105 up so that dialog does not overwrite graphics.

The solution is relatively simple. During the 1980 initialization sequence for any given Application package (Opts. 1-6), the user is requested to enter the terminal type. In this case, initialize the 1980 to expect a 4010 series terminal. In addition, go to the "Set-up" mode in the 4105, and disable the dialog area by entering DAENABLE NO. The 4105 will now emulate a 4010 terminal, which has no dialog area. The alphatext will be displayed at the proper position in the graphics area.

Consult the appropriate product manuals (Reference) for further information.

W2 Issue 14-9

4014/4114/4054/GMA 19" SERIES,
INTERMITTENT DVST WIRE HARNESS

A batch of 19" DVST's recently manufactured, may have intermittent wire harness at the flood gun sockets. Symptoms would be poor flood gun coverage and areas on the CRT with lower intensity and hard copy.

For a short period of time the pins in the flood gun socket, on the wire harness, were accidentally stretched by an incorrect fixture.

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4014/4114/4054/GMA 19" SERIES,
INTERMITTENT DVST WIRE HARNESS (CONT.)

The following CRTs may be affected:

154-0761-50	4014-1, 4015-1
154-0762-52	4014, 4015
154-0779-52	GMA101
154-0785-52	GMA102, 4054X, 4114X
154-0845-51	GMA103, 4054X, and 4114X Option 31

To repair the wire harness socket, remove the tape at the top and bottom of the CRT bell to expose the flood gun sockets. If removal of the seven pin sockets from the CRT is real easy (feels loose), replace the sockets with the new ones. Unsolder the pins and replace with P/N 136-0660-00.

W2 Issue 14-8

4170 HARD DISK FORMAT FAILURE

Several 4170 instruments with internal Winchester hard disks have been demonstrating a failure which causes the 4170 to address the hard disk as a floppy disk drive. This may occur after formatting the hard disk. After execution of "STAT C:" command, the results of the STAT command may indicate 314K bytes available instead of 8128K bytes. This failure is not due to a hardware failure, but to a "bug" in 1.1 version of the CP/M operating system software. The solution is to get a copy of the 1.2 version CP/M operating system software and type in

A>FORMAT C:

right after power-up. It is very important that the "FORMAT C:" is the first thing executed on the system after power-up. If it is not the first execution, the 4170 may poll the Winchester and recognize it as a floppy again.

W2 Issue 14-9

4170 AND 4926 HARD DISK NYLON WASHER
REMOVAL

Ref: 4925 Dual 5.25-inch Flexible Disk Drive and 4926 10M Byte Hard Disk Drive Manual, (Part Number 070-4688-01), pages 5-13

Some of the Winchester hard disk drives from Seagate are still being shipped with nylon washers installed between the mounting screws of the Hard Disk Control Board. The nylon washers must be removed. If they are present, the hard disk will be intermittently operable or totally inoperable when installed in either 4170 or 4926.

Please refer to the 4925 Dual 5.25-inch Flexible Disk Drive and 4926 10M Byte Hard Disk Drive Manual (Part Number 070-4688-01), pages 5-13, for exact location of washers.

W2 Issue 14-9

4695 HARDCOPIES FROM THE 4107/4109

REF: Volume 4, issue 2 of Softalk

The 4107 and 4109 produce larger 4695 copies than the 4105. The 4107/4109 copies are in landscape format with the long side of the image matched with the long side of the paper. The image of a 4107/4109 copy covers a 10.5 x 7.9 inch area. If you try to copy a full 4107/4109 screen onto a regular sheet of 8.5 x 11 inch paper (or transparency) you will have a problem.

Feeding the paper into the 4695 uses up about one inch of paper. The 4695's paper out indicator comes on when there is still more than an inch of paper left. This only leaves about 9 inches of paper for the image, rather than the 10.5 inches the 4107/4109 needs.

Here is a solution. Before sending your image to the terminal, reset the

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