CONTROL DATA

CC598 A/B/C
Utility Disk
PN 10317268
LVL 716

Introduction

his diskette is a bootable MS-DOS disk which contains programs used to
aintain the CC598A and CC598B System Consoles and the CC598C LCN
etwork Maintenance Station.

his diskette is restricted to usage by Control Data personnel.
uplication is not authorized. Additional copies may be ordered from
oftware Manufacturing and Distribution, Arden Hills.

here there is a difference between the information contained in this
ocument and the 19003 System Console Operations and Maintenance manual,
he information contained here takes precedence.

Conventions
The following conventions are used in this document:

o   The term *console* means any model of the CC598.

o   When the word *press* is used in an instruction, it means for you
     to press the named key(s).

o   When the word *press* precedes a string of key names that are
     separated by hyphens (for example *CTRL-ALT-DEL*), it means for you to
     press the keys listed simultaneously.

o   When the word *type* is used in an instruction, it means for you to
     type in the word following.

Problem Reporting
Problems should be reported on a PSR via SOLVER under the PSR Ident of
CSW.

STOP WARNING   **The use of the programs contained on this diskette other than as described will result in a non-functional console.**

Disk Structure

The diskette is divided into 4 directories. Each directory contains
the software necessary to perform a unique function. The 4 directories
are:

Directory - BIN

This directory contains MS-DOS programs that are common to all of
the procedures.

Directory - HDI

This directory contains the procedures used to initialize the hard
disks in the consoles.

Directory - LOW

This directory contains the software and procedures necessary to
low level format the CC598A's Wren III hard disk.

Directory - HOST

This directory contains a copy of the HOSTESS diagnostics for the
HOSTESS Multiport Network Adapter used in the CC598A and CC598B
consoles.

General Usage

To use the software and procedures on this diskette, you must boot the console from this diskette. The following describes how to accomplish a floppy disk boot.

1. With power applied to the console, insert the Utility Disk in the floppy drive and latch the door.

2. Simultaneously press the *CTRL-ALT-INS* keys. The console will display:

    ```
    MFM-200 Monitor, Version 2.3B
    Memory Size:  640K Bytes
    Enter ? for help
    ->
    ```

    Note: If you have replaced the hard disk and the console is a B or C model, disregard the error messages indicating that the 'controller is bad' when first applying power to the console before executing the HDI procedure.

    ---

3. Type BF and press the ENTER key. The following will appear on the screen:

    ```
                        CC598A/B/C Utility Disk
                        Part Number 10317268

        Refer to the documentation accompanying this diskette for
        usage information.

        Quick Reference:
                Hard Disk Initialization - Type HDI
                Wren III Low Level Format - Type LOW
                Hostess Diagnostics - Type HOST


        All entries must be followed by pressing the ENTER key
    A>
    ```

STOP **WARNING** **Executing the procedure HDI or LOW will destroy all data on the hard disk.**

. Enter the command for the procedure that you wish to execute. After
  entering the procedure command, a set of instructions will be
  displayed on the screen. Follow these instructions.

Hard Disk Initialization Procedures

To execute the Hard Disk Initialization, type *HDI* and press the *ENTER* key.
The following informational display will be presented.

```
                  Hard Disk Initialization Procedures
                       for the CC598-A/B/C Consoles


        The CC598A consoles requires a two part process in order
                      to prepare the hard disk.


        The CC598B/C consoles require a three part process in order
                      to prepare the hard disk.


        A re-boot is required between the parts.  To re-boot press
                      the CTRL-ALT-INS keys.

Strike any key.
```

When you are ready, press any key for the detailed instructions. An
instruction screen as shown on the next page will be presented.

Hard Disk Initialization Procedures
for the CC598-A/B/C Consoles

Part One:

For a CC598A   Console type "A1"

For a CC598B/C Console type "B1"

Part Two:

For a CC598A   Console type "A2"

For a CC598B/C Console type "B2"

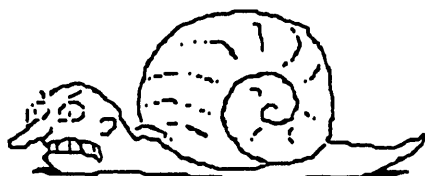Part Three:

For a CC598B Console type "B3"

For a CC598C Console type "C3"

All entries are followed pressing the ENTER key.

A>

Select the procedure for your console model and type the command for
the part that you are going to execute. All parts must be executed
and must be executed in order. Remember, a re-boot is required between
parts.

Note: If the console is a B or C model, disregard the 'not a
bootable partition' error message after executing Part 1.

Part 1 takes from one to four hours
on the B and C models.

Vren III Low Level Format

execute the Wren III Low Level Format Procedure, type *LOW* and press
the *ENTER* key.   The following informational screen will be presented.

```
              Wren III Low Level Format Procedure


 This procedure performs a low level format on the Wren III disk.
    All information stored on or about the disk is lost.

```

ress any key to start the format.   The following format display will appear
n the screen.

```
              Version 2.13 - 9 November 1987


                   Controller is Generic
               Base I/O Port Address is: 300
                    DMA Channel is: 1


                 Common Command Set Enabled


        1  port:340h
        2  rt10-at
        3  dma:hsdma
        RT10-AT Adapter Assumed
        4  dmachan:5
        5  tdr


        tdr CDB is  00 00 00 00 00 00
        Status:  OOH
        6  fd


        fd CDB is  04 00 00 00 00 00
```

This display will remain while the Wren III is being formatted.

The light on the Wren III will not be on during this operation. DO NOT interrupt the formatting operation or the console will become unusable.

he following display appears, when formatting is complete:

```
                    Common Command Set Enabled

        1  port:340h
        2  rt10-at
        3  dma:hsdma
        RT10-AT Adapter Assumed
        4  dmachan:5
        5  tdr

        tdr CDB is 00 00 00 00 00 00
        Status:  00H
        6  fd

        fd CDB is 04 00 00 00 00 00
        Data Written:
        Status: 00H
        7  quit

A>
```

STOP CAUTION The hard disk must be initialized using the HDI procedure after executing this procedure.

lostess Diagnostics

' execute the Hostess Multiport Network Adapter Diagnostics, type *HOST*
id press the *ENTER* key. Enter the following information as prompted by the
iagnostic.

        HOSTESS board base address: Enter **140**
        System Clock Speed: Select **2**
        Nmber of ports: Enter **8**

; the diagnostic runs, it will direct you to install the test plug that is
ncluded in the multiport adapter package. Install the test plug on each
ort as you are prompted.

Note: For additional information and explanations of any error message
displayed, refer to the HOSTESS Multiport Network Adapter User's Guide.