

Burroughs Corporation



COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

B1800/B1700 INITIALIZE/ANALYZER

2222 2939

PRODUCT SPECIFICATION

REV LTR	REVISION ISSUE DATE	APPROVED BY	REVISIONS
A	3/29/79	<i>J. Hale</i>	Original issue - Software Release Level Mark 8.0

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ABSTRACT

The purpose of the program called INITIALIZE/ANALYZER is to print a hardcopy listing of those sectors removed or relocated on any disk pack or cartridge initialized with a Mark 8.0 (or later) version of PACK/INIT or SYSTEM/DISK.INIT.

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OPERATIONAL DETAILS

GENERAL INSTRUCTIONS

To obtain the listing of removed and relocated sectors, the user enters the following instruction via the Operator Display Terminal (ODT).

EX INITIALIZE/ANALYZER

The response to this instruction is the display of the following two messages on the ODT:

INITIALIZE/ANALYZER = <job number> ENTER INPUT DRIVE

INITIALIZE/ANALYZER = <job number> ACCEPT

The user then provides the name of the specific disk pack drive or cartridge drive (for example, DPA or DCA) that was initialized in the form of the following instruction. An example instruction is 123AX DPA.

<job number>AX <specific disk pack or cartridge drive>

The program then generates a listing of the removed and relocated sectors for the specified drive. The original messages requesting a specific drive are then repeated and the program can be continued by entering the name of another input drive. To cause the program to go to end-of-job (EOJ), a blank or null response should be entered.

<job number>AX

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OUTPUT LISTING

A sample of the output listing is shown in Figure 2.1. The printout lists the decimal and hexadecimal addresses of the affected sectors, as well as the cylinder, head, and sector addresses. The list of relocated sectors is shown first and is followed by the list of removed sectors.

The next item in the listing summarizes the total number of relocated sectors and removed sectors.

The final entry of the printout is a line showing the identification label of the disk pack or cartridge, the serial number, type of pack or cartridge, and the initialization date. In Figure 2.1, the identification label is indicated by ID=HUB-207, the serial number is SER#=124578, the type is a system pack and is shown by PACK TYPE: S, and the initialization date is 79073.

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THE FOLLOWING SECTORS WERE RELOCATED:

DECIMAL	HEX	CYLINDER	HEAD	SECTOR
8930	0022E2	12	3	80
9280	002440	12	7	70
29684	0073F4	41	4	9
49993	00C349	69	7	28
76438	012A96	106	7	18
108909	01A96D	152	2	49
186065	02D6D1	260	1	75
210929	0337F1	295	0	4
216780	034ECC	303	1	45
225372	03705C	315	1	57
231541	038875	323	6	56
269457	041C91	376	6	77
298762	048F0A	417	6	67
308401	0484B1	431	2	56
358342	0577C6	501	1	37
366372	059724	512	3	22
374314	05B62A	523	4	9
419231	06659F	586	2	61
1116363	1108CB	1561	2	68
1117359	110CAF	1562	5	79

THE FOLLOWING SECTORS HAVE BEEN REMOVED:

DECIMAL	HEX	CYLINDER	HEAD	SECTOR
2187	00088B	3	0	42

TOTAL RELOCATED SECTORS - 20 TOTAL REMOVED SECTORS - 1
 ID=HUB-207 SER#=124578 PACK TYPE:S INITIALIZATION DATE:79073

Figure 2.1. Sample Output Listing

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ERRORS

Errors are incurred by entering misinformation about a disk or cartridge drive, by using a disk or pack with a bad label, or by attempting to specify a pack or cartridge that was not initialized with the Mark 8.0 (or later) initializer.

ERROR MESSAGES

When the program encounters an error, it responds with an error message that appears on the ODT. The following list indicates the two error messages given by this program.

INVALID RESPONSE - TRY AGAIN

In this case, either the drive was not specified properly (for example, the user entered A instead of DPA) or the drive specified was not present (for example, the user entered DPX and there is no drive X in existence). This error is remedied by entering the correct information.

BAD LABEL OR INITIALIZED VERSION - <drive>

One of two errors has occurred when this message appears on the screen. Either the disk or cartridge had a bad label, or it was initialized with a version earlier than Mark 8.0. The solution to both of these problems is to reinitialize the pack or cartridge with a Mark 8.0 (or later) version of the program PACK/INIT or SYSTEM/DISK.INIT.

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RELATED DOCUMENTATION

For further information, reference should be made to the following documents.

B1800/B1700 Software Operational Guide - #1068731
B1800/B1700 PACK/INIT - Product Specification - #2212 5090
B1800/B1700 SYSTEM/DISK.INIT - Product Specification - #2212 5488

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