SPERRY UNIVAC
9200/9300 Series

Halt Displays

Programmer/Operator Reference

SPERRY ✦ UNIVAC
COMPUTER SYSTEMS

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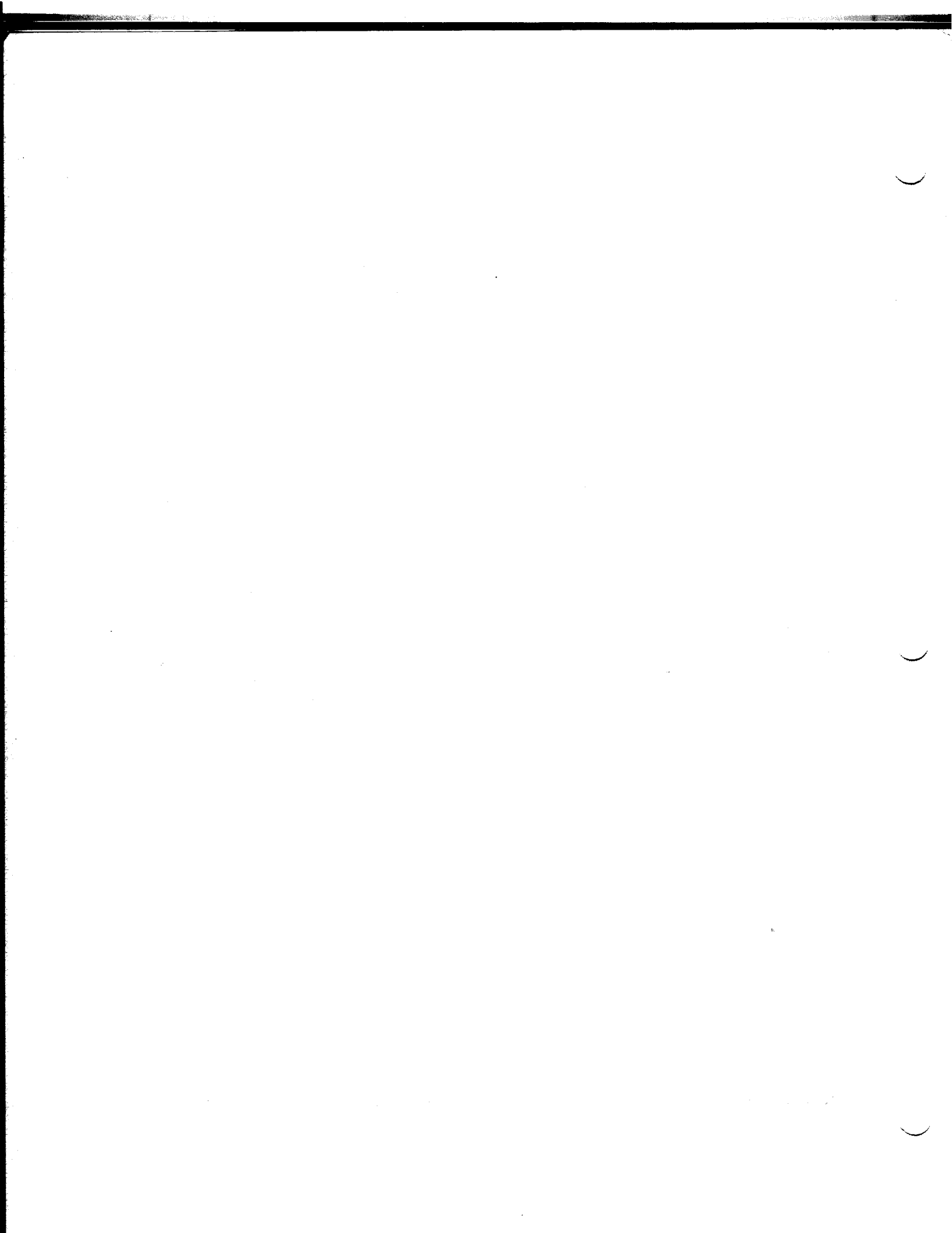
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All the technical changes are denoted by an arrow (→) in the margin. A downward pointing arrow (↓) next to a line indicates that technical changes begin at this line and continue until an upward pointing arrow (↑) is found. A horizontal arrow (→) pointing to a line indicates a technical change in only that line. A horizontal arrow located between two consecutive lines indicates technical
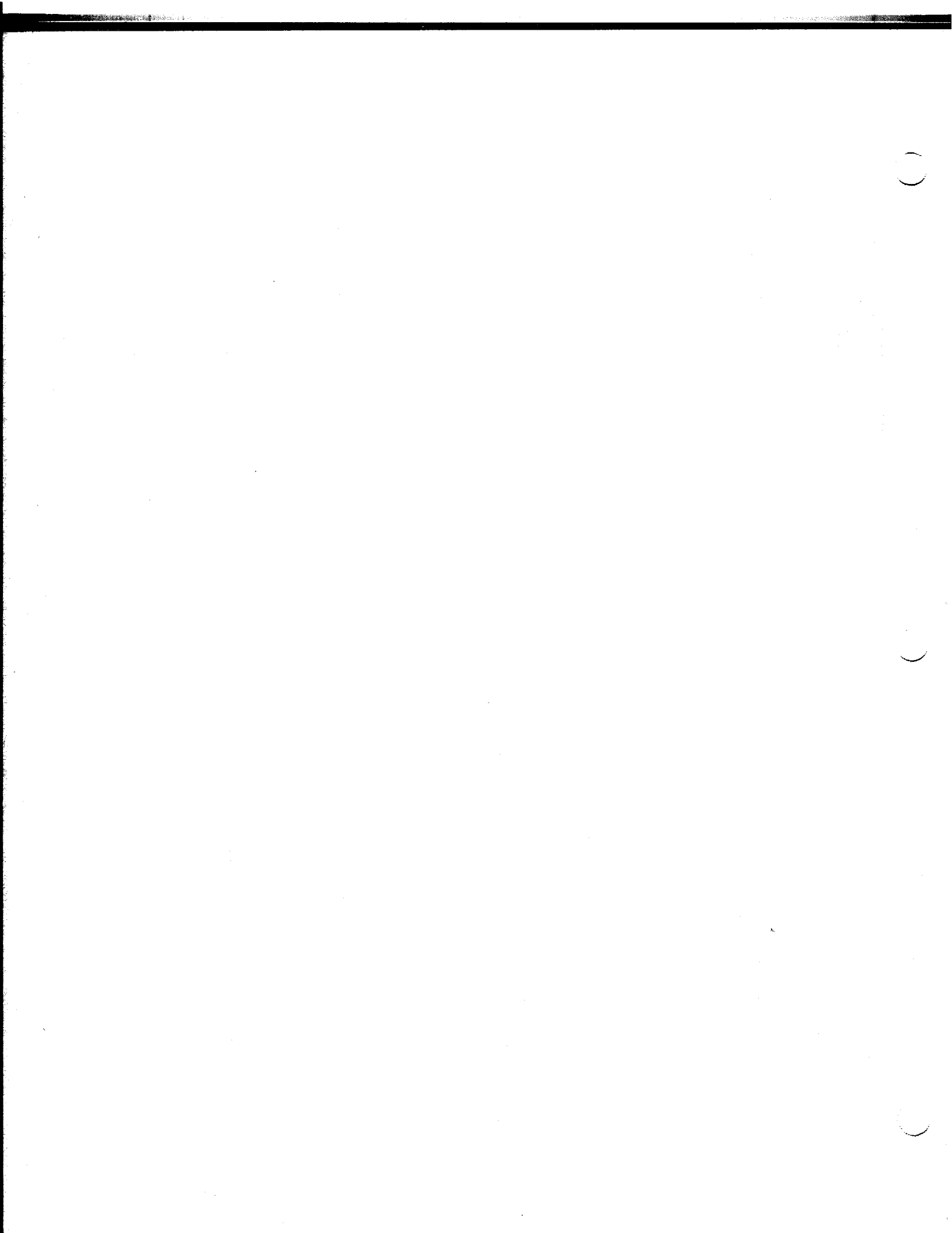
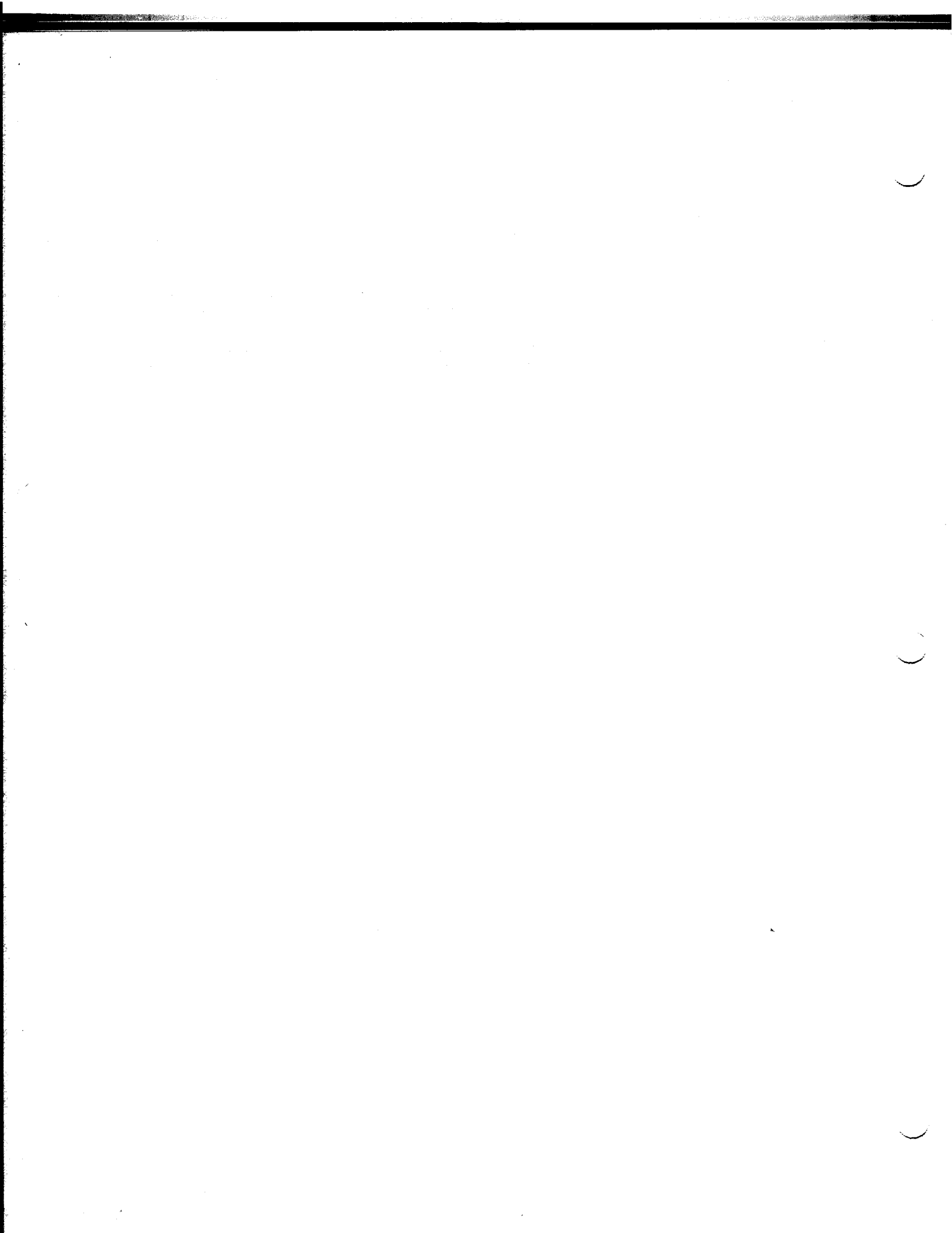| Hexadecimal Display	Program	Document	Meaning and Action
0200	Prep (8411)	7835	An HA/TD check failure has occurred. To continue, key in F5 and press the START switch. To cancel the job, press the START switch. An error message also is printed.
0201	Tape sort	4142	RCSZ is too large for the minimum SORT. Press the START switch to cancel the operation.
0202	Tape sort	4142	The IN or OUT BKSZ is too small. For recovery procedures, see 0201.
0203	Tape sort	4142	RCSZ is too large for SORT with the number of magnetic tape units specified. Press the START switch to cancel the job, or key in 01 and press the START switch to reduce the number of magnetic tape units by one.
0204	Tape sort	4142	BKSZ is greater than 8191. Press the START switch to cancel the operation.
0205	Tape sort	4142	Not enough main storage is available to read in the overlays. For recovery procedures, see 0204.
03us	Dump/restore (8410)	7668	A disc write error has occurred on physical unit u. The status (s) is shown. To continue, press the START switch. To cancel the card, make a nonzero keyin and press the START switch.
0300	Prep (8411)	7835	An input/output error has occurred. See the printed error message.
0301	Tape sort	4142	A hole-count error failure has occurred. Remove the input cards, clear the reader, and refeed the last three cards from the output stacker. In the tape system, these cards must be preceded by a DATA C control card.
0301	Prep (8411)	7835	See halt display 0300.
0302	Tape sort	4142	The sequence table is exhausted, or the relocatable sort LIB or own code is out of sequence. Press the START switch to cancel the operation.
0302	Prep (8411)	7835	See halt display 0300.
0303	Prep (8411)	7835	See halt display 0300.
0303	Tape sort	4142	Invalid sequence of a relocatable record has occurred. ⬅
0304	Tape sort	4142	Too many ENTRY and/or EXTRN statements are included in the coding. Press the START switch to cancel the operation.

Hexadecimal Display	Program	Document	Meaning and Action
0304	Prep (8411)	7835	See halt display 0300.
0305	Tape sort	4142	An improper EXTRN and/or ENTRY statement is present. Press the START switch to cancel the operation.
0305	Prep (8411)	7835	See halt display 0300.
0306	Tape sort	4142	The statements or own-code modules are improperly placed in the sort deck. Press the START switch to cancel the operation.
0307	Tape sort	4142	An EXTRN is not satisfied by a matching ENTRY. For recovery procedures, see 0306.
0308	Tape sort	4142	Not enough main storage is available for this sort and the own code. For recovery procedures, see 0306.
0309	Tape sort	4142	An ENTRY is defined twice. For recovery procedures, see 0306.
0310	Tape sort	4142	For RSTRT, the present upper boundary of memory is greater than the checkpoint dump. For recovery procedures, see 0306.
0333	RPG	4106 7620	The generation of the program is completed. Press the START switch to execute the program. If using a tape- or disc-resident system, make nonzero keyin before pressing START switch to cause job control to resume reading the control stream.
03FA	Tape sort	4142	The sort is about to enter the output stage, or if PART INPUT is being executed, partial sorting is complete. Replace the work tapes with the proper subfiles to be merged in the output stage. Press the START switch to continue.
03FD	Tape sort	4142	The program is ready to start the dispersion pass. Replace the work tape on the last magnetic tape unit with the input file.
03FE	Tape sort	4142	The program has reached the end of a batch of input data. Key in 01 to force the acceptance of more data and press the START switch. To begin processing the accumulated input, press the START switch.
03FF	Tape sort	4142	The end of the input has been detected. Replace the input file with the libary work tape. Press the START switch to continue processing.

Hexadecimal Display	Program	Document	Meaning and Action
060n	Tape sort	4142	The subfile (number represented by n) is complete. Remove and label the subfile; place a new tape on the unit.
0601	Tape sort	4142	Not enough main storage is available for an internal BIN table. Press the START switch to cancel the operation.
07us	Dump/restore (8410)	7668	A control error has occurred on physical unit u. The status (s) is shown. Press the START switch to cancel the function and continue processing.
070n	Tape sort	4142	A volume of a subfile (number represented by n) is complete. Remove and label the volume; place a new tape on the unit. Press the START switch to continue processing.
0700	Prep (8411)	7835	An error in logic has occurred. This error is unrecoverable.
080n	Tape sort	4142	The expected subfile (number n) is not available. Place the correct tape on the unit. Press the START switch to display the expected volume number in halt display 090n.
0800	Prep (8411)	7835	The table of track conditions is not present on a partial prep. The error is unrecoverable. An error message is printed.
090n	Tape sort	4142	This halt displays the expected volume number. Press the START switch to continue.
0900	Prep (8411)	7835	The program is aborted; no recovery is possible. An error message is printed.
0Bxx	RPG (tape/disc)	7620	The hexadecimal digits of this display correspond to halt indicators H1 through H8.

$$X'01' = H8 \quad X'10' = H4$$
$$X'02' = H7 \quad X'20' = H3$$
$$X'04' = H6 \quad X'40' = H2$$
$$X'08' = H5 \quad X'80' = H1$$

If more than one bit is set, the corresponding halt combinations have occurred. Press the START switch to continue.

0Cx1	RPG (tape/disc)	7620	The prime data area is full on the disc at logical unit x. Press the START switch to close the files and cancel the job.
0Cx2	RPG (tape/disc)	7620	The overflow area is full on the disc at logical unit x. Press the START switch to close the files and cancel the job.

060n—0Cx2

Hexadecimal Display	Program	Document	Meaning and Action
0Cx3	RPG (tape/disc)	7620	A duplicate key was found on the disc at logical unit x. Press the START switch to ignore the record containing the error.
0Cx4	RPG (tape/disc)	7620	A record was not found on the disc at logical unit x. For record address files, press the START switch to ignore the record. This halt display does not apply to chained files.
0Cx5	RPG (tape/disc)	7620	A record is out of sequence on the disc at logical unit x. Press the START switch to ignore the record.
0CF0	Dump/restore (8410)	7668	The card count does not equal the number specified in header card columns 17, 18. Press the START switch to cancel the job.
0CFF	RPG (tape/disc)	7620	An unrecoverable hardware failure has occurred. Press the START switch to close the files and cancel the job.
0D01	RPG	4106 7620	Source deck errors are present, but the object program can be run. Press the START switch to continue processing.
0D10	RPG	4106 7620	Columns 17—20 of the header control card are incorrectly specified. Correct and rerun the program.
0D11	RPG	4106 7620	The header control card is missing. Feed in the missing card and the last two cards from the stacker. Press the START switch to continue the processing.
0D12	RPG	4106	Columns 13, 14 and/or 23—25 of the header control card are incorrectly specified. Correct and rerun the program.
0D13	RPG	4106	Not enough main storage is available to run the program; requirements must be reduced.
0D14	RPG	4106 7620	Source deck errors preclude execution of the program. Correct and rerun the program.
0D15	RPG	4106 7620	An EXIT statement for a subroutine is missing. Correct and rerun the program.
0D16	RPG	4106 7620	A card-count error has occurred while loading the RPG generator or in the subroutine portion of the deck. Correct and rerun the program.

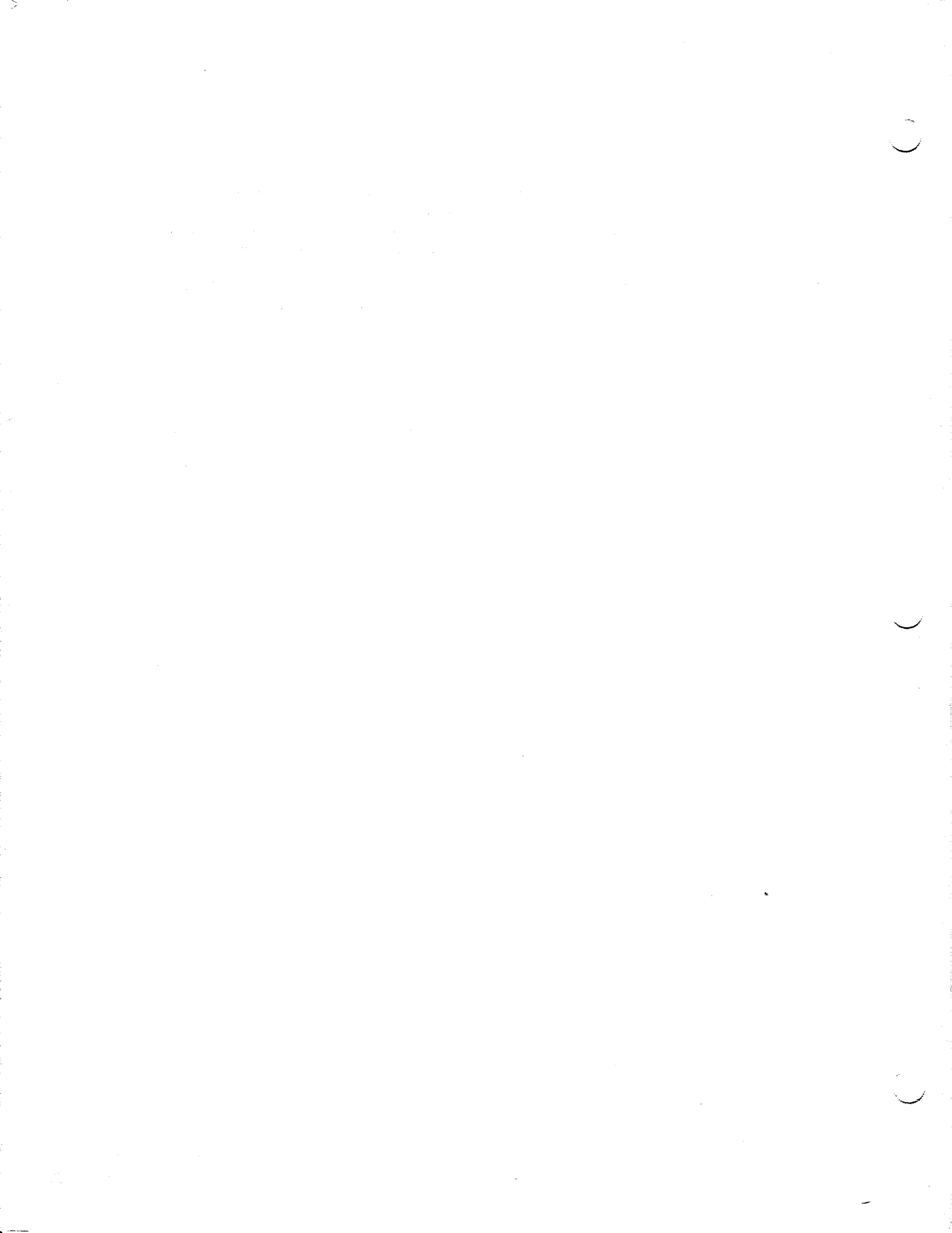| Hexadecimal Display	Program	Document	Meaning and Action
0D17	RPG	4106 7620	An external label in a subroutine was not defined in an RLABL statement. Correct and rerun the program.
0D18	RPG	4106 7620	The length of a table in the source deck differs from the length specification given in the file extension specifications. Correct and rerun the program.
0D19	RPG	4106 7620	The specified subroutines are not present, or they are incorrectly inserted. Correct and rerun the program.

Hexadecimal Display	Program	Document	Meaning and Action
0E63	RPG (disc)	7620	A record in the C3 file is not identified. For recovery procedures, see 0E43.
0E73	RPG (disc)	7620	Record unidentified in calculation chained file 1; press the START switch to get another record from the file.
0E83	RPG (disc)	7620	Record unidentified in calculation chained file 2; press the START switch to get another record from the file.
0E93	RPG (disc)	7620	Record unidentified in calculation chained file 3; press the START switch to get another record from the file.
0EEE	RPG (disc)	7620	An EXCPT calculation specification has occurred, or an E output specification (column 15) is not present; press START switch to cancel. Correct program and restart the job.
0EF0	Dump/restore (8410)	7668	Invalid or missing contents were detected in the first field of the limit card (columns 10-13). Resubmit the card and press the START switch, or cancel the card by making a nonzero keyin and pressing the START switch.
0EF0	RPG	4106 7620	This is the H1 halt display. Press the START switch to continue processing.
0EF1	Dump/restore (8410)	7668	Invalid contents were detected in the address fields of a DLMT card. Either resubmit the card and press the START switch, or cancel the card by making a nonzero keyin and pressing the START switch.
0EF2	Dump/restore (8410)	7668	An invalid FB specification was read. For recovery procedures, see 0EF1.
0EF3	Dump/restore (8410)	7668	An invalid END card was read. For recovery procedures, see 0EF1.
0EF4	Dump/restore (8410)	7668	An input card file is out of sequence. Correct the sequence and resubmit the deck from the point of error. Press the START switch to continue. The job may be canceled by making a nonzero keyin and pressing the START switch.
0EF5	Dump/restore (8410)	7668	An invalid VTOC specification was read on a DLMT card. Resubmit the card and press the START switch to continue. Cancel the card by making a nonzero keyin and pressing the START switch.
0EFF	RPG	4106 7620	Both H1 and H2 indicators are on. Press the START switch to continue processing.

Hexadecimal Display	Program	Document	Meaning and Action
0FF0	Dump/restore (8410)	7668	Invalid or missing contents were encountered in columns 10–13 of the header card. Resubmit the corrected card or deck and press the START switch. Make a nonzero keyin and press the START switch to cancel the job.
0FF1	Dump/restore (8410)	7668	Invalid or missing contents were detected in the second field (column 15) of the header card. Resubmit the corrected card and press the START switch, or cancel the job by making a nonzero keyin and pressing the START switch.
0FFF	Prep (8411)	7835	The prep operation is complete. Reload the program to prep the next disc pack. A message is also printed.
0FFF	Disc print (DPRT) (8411/8414)	7835	A format error has been detected in the input cards presented to DPRT. Three options are available:

> 1. No keyin or zero keyin and press RUN switch. This card will be skipped and the next card processed.
>
> 2. 01 keyin. DPRT will stop reading cards and will go to its 000F display expecting keyin to proceed.
>
> 3. Any other reply will cancel the job.

Hexadecimal Display	Program	Document	Meaning and Action
1000	Disc sort (8411)	7834	An invalid command was found on a statement card. Press the START switch to continue the verification of the statement cards and parameters, but the operation is canceled.
1001	VTOCR (8410)	7668	The constant, VTOC, was not found in columns 10–13 of the first card. To continue processing, correct the card, clear the reader, refeed the VTOC and control cards, and press the START switch.
1001	Disc sort (8410)	7651	An illegal statement name was read. Press the START switch to ignore the card in error (the second card from the last in the output stacker is at fault), or cancel the sort by making a nonzero keyin and pressing the START switch.
1001	Disc sort (8411)	7834	A continuation card does not have a blank command field. For recovery procedures, see 1000.
1002	VTOCR (8410)	7668	The specified logical unit number is either nonnumeric or greater than 63. To continue, correct the card, clear the reader, refeed the VTOC and control cards, and press the START switch.

Hexadecimal Display	Program	Document	Meaning and Action
14u2	8410 VTOC	7668	An unrecoverable output bus check indication was received for physical unit u. The program is terminated on this error.
14u2	Locator/loader and language processors (8410)	7531 7508	An output bus check indication was received for physical unit u. Either make a nonzero keyin and press the START switch to retry, or press the START switch to cancel the operation.
14u2	Locator/loader and language processors (8411)	7531	A hardware error status on physical unit u was received from the dispatcher. For recovery procedures, see 14u2 immediately preceding.
14u3	Locator/loader and language processors (8410/8411)	7508 7835	A file cannot be opened. Either the VTOC header cannot be located, or the specified file name does not exist (at least not in the area specified by the VTOC). Press the START switch to cancel the operation.
14u4	Locator/loader and language processors (8411)	7531	A no find status on physical unit u was received from the dispatcher. Either make a nonzero keyin and press the START switch to retry, or press the START switch to cancel the operation.
14u4	8410 VTOC	7668	Physical unit u is not ready. The program is terminated.
14u5	Locator/loader and language processors (8410)	7508	A catastrophic failure has occurred on physical unit u. Either make a nonzero keyin and press the START switch to retry, or press the START switch to cancel the operation.
14u5	8410 VTOC	7668	A catastrophic failure has occurred on physical unit u. The program is terminated.
14u6	Locator/loader and language processors (8410/8411)	7508	The expiration date in the file header of a file to be written is later than the supervisor date. For recovery procedures, see 14u3.
14u7	8410 VTOC	7668	A disc error has occurred on physical unit u. This is a catastrophic failure and the program is terminated on this error. The logical unit number is possibly invalid.
14u7	Locator/loader and language processors (8410)	7531 7508	A nonoperational channel indication was received from the dispatcher for physical unit u. Either press the START switch to cancel the operation, or make a nonzero keyin and press the START switch to retry.

Hexadecimal Display	Program	Document	Meaning and Action
14u8	8410 VTOC	7668	An invalid function indication was returned by the dispatcher for physical unit u. A power failure on the controller is possibly the cause. The program is terminated.
14u8	Locator/loader and language processors (8410)	7531 7508	An invalid function indication was received from the dispatcher for physical unit u. Either press the START switch to cancel, or make a nonzero keyin and press the START switch to retry.
14u8	Locator/loader and language processors (8411)	7531	A wrong record length was detected on physical unit u. Either press the START switch to cancel, or make a nonzero keyin and press the START switch to retry.
14u9	Locator/loader and language processors (8410/8411)	7508 7835	The file extent limit has been detected on physical unit u. A READ or WRITE operation referencing a point beyond this limit has been attempted. Press the START switch to cancel the operation.
14uB	Locator/loader and language processors (8410/8411)	7508 7543 7558 7620	The file directory has been filled. For recovery procedures, see 14u9.
14uD	Locator/loader and language processors (8410/8411)	7508 7543 7558 7620	The output file of a language processor was described as to be extended (E option), but the next-record pointers in the format 1 label indicate that the file has recently had space allocated or deleted by the Direct Access Space Management System (SASM) and, therefore, is incapable of extension. Press the START switch to cancel the job. To treat the job as a W (new or wipe-out) file, make a nonzero reply.
14uE	Locator/loader and language processors (8410/8411)	7508 7543 7558 7620	A file that is to be processed by a language processor is not a library file; that is, it does not contain two extents. Press the START switch to cancel the job.
14uF	Locator/loader and language processors (8410)	7508	The last unload buffer command for physical unit u was not completed. For recovery procedures, see 14u4.
14uF	RPG compiler (8411)	7620	Column 70 of RPG header card was not specified as E, W, or blank. Press the START switch to cancel the job. Reply with C5 to extend the output file; reply with E6 to write the program at the beginning of the output file.

14u8—14uF

Hexadecimal Display	Program	Document	Meaning and Action
140s	DAS loader (8411)	7835	A disc error has occurred; the status (s) of the device is shown. Either press the START switch to retry, or make a nonzero keyin and press the START switch to cancel the operation.
1400	IPL (8410, 8411)	7531	A disc error occurred during the initial loading sequence. Reinstitute the IPL procedures.

Hexadecimal Display	Program	Document	Meaning and Action
1E30	Disc sort (8411)	7834	The end of a file was detected before the Y card in an own-code module. Press the START switch to cancel the operation.
1E31	Disc sort (8411)[1]	7834	No Y card was found in the second extent of a library file (data element). For recovery procedures, see 1E24.
1E32	Disc sort (8411)	7834	The last phase was not phase A. The phases may be out of order or improperly linked. Press the START switch to cancel the sort.
1EEE	Linker (tape, disc)	7508	Unrecoverable condition of missing or invalid phase name, invalid device, overflow message, a preceding 1555 display, or a PRGM, CHAIN, or PHASE command card is preceded by a command card not in proper sequence. Press the START switch to cancel the job.
1Fnn	Prep (8410)	7668	When the stop-on-error option is used, the prep routine runs through a series of seven stops, each of which contributes to the description of the error. To continue after each halt, press the START switch. After STOP 7, press the START switch to continue processing.

STOP 1 (1Fnn) — error type

1F01	XIOF rejected
1F02	Status error
1F03	Bad spot
1F0E	Disc abnormal
1F1E	Limit selection error
1F2E	Punch error
1F3E	Printer error
1F4E	Wrong input data
1F5E	Input device status error

STOP 2 (00ss) — status

The status (ss) stored by the last TIO instruction is displayed.

STOPs 3, 4, and 5 (00bb) — sense bytes

These three sense bytes are displayed after error types 1F01 and 1F02.

STOP 6 (0nnn) — address

The unit (u) and track (nn) last addressed by the routine is displayed.

Hexadecimal Display	Program	Document	Meaning and Action
1Fnn (cont.)			STOP 7 (00nn) — address
			The sector (nn) last addressed by the prep routine is displayed.
			Errors causing STOP 1 displays 1F0E or 1F5E cause the routine to stop. A rerun is required after 1F0E or 1F1E. The routine may continue after 1F2E, 1F3E, 1F4E, and 1F5E; press the START switch to continue processing. If the halt displays continue, delete the option bit of the faulty device to continue the prep routine.
1Fxx	Disc sort (8410)	7651	The end-of-file was detected when outputting the final sorted file on logical unit xx. Remove the output disc and press the START switch.
1Fu0	Disc sort (8411)	7834	A write error has occurred on physical unit u. Press the START switch to retry, or make a nonzero keyin and press the START switch to cancel the operation.
1F01	Gangpunch/ reproduce	4089	A sequence error has occurred on the primary feed. Correct the card sequence, refeed the cards, and press the START switch.
1F02	Assembler (card)	4092	The symbol table is full. Use a larger main storage size if possible and start the assembly again. Press the START switch to continue; all subsequent labels are undefined.
1F02	Gangpunch/ reproduce	4089	A sequence error has occurred on the secondary feed. For recovery procedures, see 1F01.
1F03	Linker (card)	4092	An invalid card type was read. Press the START switch to ignore the card.
1F03	Linker (tape, disc)	7508	An invalid record was read. Press the START switch to ignore the record.
1F04	Linker (card)	4092	After a Y card, no J card was found preceding the next K or Q input card. Press the START switch to ignore the error.
1F04	Linker (tape, disc)	7508	A card is out of sequence. Press the START switch to ignore the error.
1F05	Linker (card) Linker (tape, disc) Library services (tape, 8411)	4092 7508 7727 7835	A hole-count error has occurred. The error card is the second from the last card in the output stacker at the time of the halt display. To recover, correct the erroneous card, clear all cards from the input hopper and wait stations of the reader. Replace the corrected card in the reader followed by the card that originally followed the error card then by the remainder of the input deck. Feed the corrected card. Press the START switch.

Hexadecimal Display	Program	Document	Meaning and Action
1F06	Linker (card)	4092	An external reference has been made to a label not defined by a K card. Check the linker map against the assembly listing. Rearrange the card deck and start the linker operation again.
1F0F	Linker (card)	4092	The first linker pass is finished. Put the linker deck in the input hopper and press the START switch to begin the last pass.
1F1F	Symbolic list	4120	The symbolic list program has exhausted available memory. Press the START switch to obtain a cross-reference listing of cards read up to this point.
1F1F	Label writer (card)	4092	Invalid control card. Recover by making a nonzero keyin and pressing the START switch. This results in a 1FFF HALT. The program is completed.
1F.FF	Linker (card)	4092	The last pass is finished. Press the START switch to begin a new linker run. ←
1FFF	Memory dump	4120	The program is completed.
	Compressor	4092	
	Card assembler	4092	
	Preassembly macro pass	4092	
	RPG	4106	
		7620	
	Disc sort (8410)	7651	
	DAS loader (8411)	7835	
	Linker (card)	4092	
	Symbolic list	4120	
	Label writer	7727	
1FFF	Squeeze	4120	The program is completed. To process another set of input cards, place the input in the card reader and press the START switch.
1FFF	Gangpunch/ reproduce	4089	The generation is complete. Press the START switch after loading the card reader and/or serial punch.

Hexadecimal Display	Program	Document	Meaning and Action
1FFF	VTOCR (8410)	7668	The VTOCR has completed processing of the control cards. If additional cards are to be processed for another VTOC on a different disc, make a nonzero keyin and press the START switch. If no more VTOCs are to be constructed, press the START switch; the VTOCR then terminates the job.
1FFF	Systems file (8411)	7835	The job is completed. Make a nonzero keyin and press the START switch to begin processing the next job step.
20u0	Tape assembler, linker, library services, FORTRAN	7508 7727 7549	The end block was not found on physical unit u. Press the START switch to retry; if the retry is unsuccessful, restart the program.
20u1	IOCS (tape), tape assembler, linker	4135 7508	An unacceptable expiration date is present on physical unit u. To continue, manually rewind the tape with interlock, place a new tape on the unit and press the START switch. To cancel, make a nonzero keyin and press the START switch.
20u2	IOCS (tape)	4135	Physical unit u is (1) allocated to other than the main program; or (2) the unit is down. Press the START switch to cancel the operation.
20u3	IOCS (tape)	4135	A label block is unreadable on physical unit u. Press START to cancel or make a nonzero keyin and press START switch to retry. If a new tape is placed on the unit, follow the same procedures.
20u4	IOCS (tape)	4135	An expected label cannot be found on a file described as having standard labels. For recovery procedures, see 20u3.
20u5	Tape assembler, linker, library services, FORTRAN	7508 7727 7549	The physical end of the tape was found during a write operation, or a tape mark was found during a read operation. For recovery procedures, see 20u2.
20u6	IOCS (tape), tape assembler, linker	4135 7508	A wrong length block was detected on physical unit u. For recovery procedures, see 20u2.
20u7	IOCS (tape)	4135	An attempt was made to advance a record from a closed file, or to close or backspace such a file. For recovery procedures, see 20u2.

Hexadecimal Display	Program	Document	Meaning and Action
20u8	IOCS (tape)	4135	An input tape on physical unit u failed the input label checks. If the tape is manually rewound, a new tape is placed on the tape unit, the START switch is pressed, and the IOCS makes a label check on the new tape. Four additional stops are given immediately after the START switch is pressed. They are as follows:

Display	Input Label Condition
00u1	Input label failed the file-id name check.
00u2	Input label failed the creation date check.
00u3	Input label failed the generation number check.
00u4	Input label failed the volume number check.

At this time, if a nonzero keyin is made and the START switch is pressed, the IOCS accepts the current tape even though the label check failed. Pressing the START switch with no keyin cancels the job.

Hexadecimal Display	Program	Document	Meaning and Action
20u9	IOCS (tape)	4135	A block-count error has occurred. Either make a nonzero keyin and press the START switch to ignore the error, or press the START switch to cancel the operation.
20uA	IOCS (tape)	4135	A TRUNC macro instruction was executed for an unblocked file. Press the START switch to cancel the operation.
20uB	IOCS (tape)	4135	A PUT macro instruction was attempted on an input-only I/O file on physical unit u. For recovery procedures, see 20uA.
20uC	IOCS (tape)	4135	A GET macro instruction was attempted on an output-only I/O file on physical unit u. For recovery procedures, see 20uA.
20uD	Tape assembler, linker, library services, FORTRAN	7508 7727 7549	Physical unit u is not ready. Correct the problems on the magnetic tape unit and press the START switch to continue processing.

Hexadecimal Display	Program	Document	Meaning and Action
20uD	Tape sort	4142	The end of a tape was detected on physical unit u. To continue, make a nonzero keyin and press the START switch. The sort continues processing as if the condition had not occurred. No tape swap mechanism is in the initial sort; ignoring this halt display can result in tape runoff. Press the START switch to cancel the sort.
20uE	Tape assembler, linker, library services, FORTRAN	7508 7727 7549	The block searched for was not found on physical unit u. Three options are available for recovery: 1. Press the START switch to try again. 2. Key in 01 and press the START switch to read forward. 3. Key in 02 and press the START switch to read backward. Restart the program if everything else fails.
20uE	Tape sort	4142	An unrecoverable write error has occurred on physical unit u. Press the START switch to cancel the sort.
20uF	FORTRAN	7549	A request has been made to rewind a volume other than the first, or to backspace a file positioned at the beginning of a volume other than the first. Press the START switch to cancel the operation.
20uF	Tape sort	4142	A block-count error recovery procedure was unsuccessful on a work tape on physical unit u. Make a nonzero keyin and press the START switch to attempt the recovery again, or press the START switch to cancel the sort.
2000	Disc sort (8411)	7834	Own code is specified, but the relocator phase was not run. Press the START switch to cancel the operation.
2001	Disc sort (8411)	7834	A restart operation is specified, but the previous phase was not the input/internal sort or the intermediate merge phase. For recovery procedures, see 2000.
2002	Disc sort (8411)	7834	A multiple cycle operation is specified, but the previous phase was not the initialization or the relocator phase. For recovery procedures, see 2000.
2003	Disc sort (8411)	7834	The previous phase was not the initialization phase. For recovery procedures, see 2000.

Hexadecimal Display	Program	Document	Meaning and Action
2004	Disc sort	7834	Not enough work area is available. Either the own code is too large in one of the phases, or the input block length is greater than the available work area in the input/internal sort phase. Press the START switch, then either allocate more main storage to the program or reduce the amount of own code. Rerun the program.
2005	Disc sort (8411)	7834	Not enough work area is available; a two-way merge cannot be accomplished in the storage available. Press the START switch, then allocate more memory and rerun the program.
2007	Disc sort (8411)	7834	An invalid device combination has been specified; one disc and two tapes have been specified. Press the START switch to continue the operation using only the disc, or make a nonzero keyin and press the START switch to cancel the operation.
2008	Disc sort (8411)	7834	In a multicycle operation, the positioning of a tape input has detected a tape mark. This error could be caused by having a wrong input file on the input unit. Press the START switch to retry the operation, or make a nonzero keyin and press the START switch to cancel.
2009	Disc sort (8411)	7834	A merge operation is requested, but a sort program is in storage. Press the START switch to cancel the operation.
200A	Disc sort (8411)	7834	No records were inputted to the input/internal sort phase; either IPRO delivered no records, or none were in the file specified as the input. For recovery procedures, see 2009.
200F	Disc sort (8411)	7834	A program error has occurred in the sort table of addresses. Record the contents of the registers, take a main storage dump, and submit an SSFR. Rerun the program to eliminate transient failures.
20FF	Disc sort (8411)	7834	A multicycle condition has occurred. Note the location, number, and identity of all input and work files for the multicycle run following this run. Press the START switch to continue the operation.
210n	Operating system	7531	The checkpoint record number n has been made by the CHKPT macro instruction. Press the START switch to continue the operation.

Hexadecimal Display	Program	Document	Meaning and Action
21uA	Operating system	7531	An unrecoverable write error occurred while attempting to write checkpoint records on the physical unit specified. This halt can only occur when preceded by a 60u1 halt to which a nonzero keyin has been made. Press the START switch to cancel.
21uB	Operating system	7531	The physical end of the tape was detected during a write operation of a checkpoint record on the physical unit specified. Press the START switch to cancel.
2100	Disc sort (8411)	7834	An illegal return from the ILAB own-code module was attempted. Press the START switch to cancel the operation.
2200	Disc sort (8411)	7834	A retry was requested from the ILAB own-code module. Press the START switch to continue the operation
2222	8411 DASM	7835	The volume serial number from the VOL1 label and the serial number (parameter 2) from the VOL 01 card agree with the VOL 01 card having an S in column 22. There are two responses: 1. C5 — continue normal processing. 2. Non-C5 — ignore the VOL 01 card and process this run as an update.
23us	Disc sort (8411)	7834	An input read error has occurred on physical unit u; the status (s) is shown in the halt display. Press the START switch to cancel the operation.
23u0	IOCS (8410 SAM)	7639	The end of a volume was detected on one of the physical units. 23u0 always points to unit 0. Press the START switch to continue, or replace the volume and press the START switch.
23u0	IOCS (8411/8414 SAM)	7721	A file on physical unit u has been defined as an add file but its Format 1 label next-record pointers contain binary 0's. Press the START switch to retry a read of the Format 1 label. To cancel the job, reply with an 01. To start writing data at the beginning of the file, reply with an 02 or greater.
23u1	IOCS (8410 SAM)	7639	The expiration date of the output file is less than the creation date, or the volume number specified in the DTF macro instruction is not one less than that in the VTOC on physical unit u. Press the START switch to retry the operation, or key in 01 and press the START switch to cancel.

Hexadecimal Display	Program	Document	Meaning and Action
23u1	IOCS (8411 SAM)	7721	Incorrect parameters were specified for physical unit u; for example, a PUT was issued for an input file, but the UPDT keyword is not specified. Press the START switch to cancel the operation.
23u2	IOCS (8410, 8411 SAM)	7639 7721	An illegal imperative macro instruction was issued for the file on physical unit u; for example, an OPEN macro was issued for a file already opened. Press the START switch to cancel the operation.
23u3	IOCS (8410 SAM)	7639	A file label on physical unit u cannot be read. For recovery procedures, see 23u2.
23u3	IOCS (8411 SAM)	7721	A hardware error status was returned by the disc dispatcher while trying to open a file on physical unit u. Press the START switch to retry or key in 01 and press the START switch to cancel the job.
23u4	IOCS (8410 SAM)	7639	The specified label was not found in the VTOC directory on physical unit u. Press the START switch to search the VTOC again, or make a nonzero keyin and press the START switch to cancel the job.
23u4	IOCS (8411 SAM)	7721	The file name for the file being opened is not on the VTOC. Two options are possible: 1. Press the START switch to try again. 2. Key in 01 and press the START switch to cancel the job.
23u5	IOCS (8410 SAM)	7639	An invalid function or catastrophic error occurred during I/O on physical unit u. For recovery procedures, see 23u2.
23u5	IOCS (8411 SAM)	7721	A double PUT was detected on update actions on physical unit u. For recovery procedures, see 23u2.
23u6	IOCS (8410 SAM)	7639	A UOB or UAL I/O error has occurred on physical unit u, and the ERRO keyword is not specified. For recovery procedures, see 23u2.

Hexadecimal Display	Program	Document	Meaning and Action
23u6	IOCS (8411 SAM)	7721	The ERRO keyword is not specified, and the error bytes are set at filename+64. NOTE: For RPG-generated program, no ERRO address is provided. This halt may occur after data checks or other hardware errors, or may be the result of trying to process a file which does not exist as described in its file description card. Three recovery options are available: 1. Press the START switch to try again. 2. Key in 01 and press the START switch to cancel. 3. Make a keyin greater than 01 and press the START switch to ignore the error.
23u7	IOCS (8410, 8411 SAM)	7639 7721	An I/O operation was issued for an unopened file on physical unit u. Press the START switch to cancel the job.
23u8	IOCS (8410 SAM)	7639	An input file label check failure has occurred on physical unit u. Three recovery options are available: 1. Press the START switch to ignore the error. 2. Key in 01 and press the START switch to retry. 3. Make a keyin higher than 01 to cancel the operation.
23u8	IOCS (8411 SAM)	7721	An expected VTOC label (VOL1 or format 3, 4, or 5) could not be found while trying to open a file on physical unit u. Press the START switch to retry, or key in 01 and press the START switch to cancel the job.
23u9	IOCS (8410 SAM)	7639	A PUT was issued for physical unit u after an EOF was detected. For recovery procedures, see 23u7.
23u9	IOCS (8411 SAM)	7721	The record length exceeds the BKSZ specification. For recovery procedures, see 23u7.
23uA	IOCS (8410 SAM)	7639	All extents are full on physical unit u. The current output request cannot be completed. For recovery procedures, see 23u7.

Hexadecimal Display	Program	Document	Meaning and Action
23uA	IOCS (8411 SAM)	7721	The end of available extents has been detected for a file on physical unit u. If another volume of this file is to be processed, mount its pack on the appropriate disc unit, key in 02, and press the START switch. If there are no more volumes, key in 01 and press the START switch to cancel the job.
23uB	IOCS (8410 SAM)	7639	A PUT request was issued for an input file on physical unit u. For error recovery procedures, see 23u7.
23uB	IOCS (8411 SAM)	7721	No room is available in the current volume for an EOF record on physical unit u. Three recovery options are available: 1. Press the START switch to write the EOF over the last record on the volume. 2. Key in 01 and press the START switch to cancel the job. 3. Make a keyin greater than 01 and press the START switch to close the file with no EOF record.
23uC	IOCS (8410 SAM)	7639	A GET request was issued for an output file on physical unit u. For recovery procedures, see 23u7.
23uC	IOCS (8411 SAM)	7721	Volume numbers do not agree on physical unit u. Three recovery options are available: 1. Press the START switch to retry. 2. Key in 01 and press the START switch to cancel. 3. Make a keyin greater than 01 and press the START switch to ignore the error.
23uD	IOCS (8410 SAM)	7639	The track and sector address is greater than 9999. For recovery procedures, see 23u7.
23uD	IOCS (8411/8414 SAM)	7721	The creation/expiration date of the file on physical unit u is in error. Three options are available for recovery: 1. Press the START switch to retry reading the Format 1 label. 2. Key in 01 and press the START switch to cancel the job. 3. Make a keyin 02 or greater and press the START switch to ignore the error.

Hexadecimal Display	Program	Document	Meaning and Action
23uE	IOCS (8410 SAM)	7639	The file type is incorrectly specified for physical unit u. Press the START switch to cancel the job.
23uE	IOCS (8411 SAM)	7531 7721	An attempt was made to process variable or undefined records using the PUT transient. Press the START switch to cancel the operation.
23uF	IOCS (8410 SAM)	7639	An attempt was made to execute two consecutive PUTs without an intervening GET to an update file on physical unit u. For recovery procedures, see 23uE.
23uF	IOCS (8411 SAM)	7721	A software error status was returned by the disc dispatcher for an I/O operation on physical unit u. The logical unit number specified by the user may be erroneous. If display cannot be attributed to user error, take a main storage dump and submit a software user report (SUR).
2301	Disc sort (8410)	7651	A read error was detected on input in a tag sort. Record that a sector of records is in error is being sorted. Press the START switch to continue processing.
2302	Disc sort (8410)	7651	A read error was detected on input in a tag sort. Record that a sector of records in error is being sorted. Press the START switch to continue processing.
2303	Disc sort (8410)	7651	A read error was detected on input in a tag sort. Press the START switch to cancel the sort.
2304	Disc sort (8410)	7651	An illegal memory allocation was made on the SORT card or in the supervisor boundary value table. For recovery procedures, see 2303.
2305	Disc sort (8410)	7651	The file to be tag-sorted is an illegal indexed sequential file. For recovery procedures, see 2303.
2306	Disc sort (8410)	7651	The file type is not sequential or indexed sequential. Press the START switch to sort the file, or make a nonzero keyin and press the START switch to cancel the operation.
2307	Disc sort (8410)	7651	A read error was detected when reading own code from the checkpoint disc. Press the START switch to display eexx where ee is the disc error and xx is the disc logical unit number. Press the START switch again to retry. Make a nonzero keyin and press the START switch to cancel the operation.

Hexadecimal Display	Program	Document	Meaning and Action
2308	Disc sort (8410)	7651	A tag sort is in main storage, but a record sort was requested. Cancel the operation then either change the SORT card or the program to be used.
2309	Disc sort (8410)	7651	A read error was detected when reading own code from the checkpoint disc. Press the START switch to display eexx where ee is the disc error and xx is the logical unit number of the disc in error. Press the START switch again to retry. Make a nonzero keyin and press the START switch to cancel the operation. If the error is repeated on a retry, use a new SORTWORK disc and restart the sort.
2310	Disc sort (8410)	7651	An error has occurred when reading label or extent information from the input disc. For recovery procedures, see 1307.
2311	Disc sort (8410)	7651	A read error was detected when reading multicycle information from the input disc. For recovery procedures, see 1310.
2312	Disc sort (8410)	7651	An error was detected on a write to a disc. For recovery procedures, see 1307.
2313	Disc sort (8410)	7651	A disc malfunction occurred on a data read or write check. Press the START switch to display eexx where ee is the disc error and xx is the logical unit number of the disc in error. Press the START switch again to cancel the operation.
2314	Disc sort (8410)	7651	An error occurred when writing a checkpoint to disc. For recovery procedures, see 1307.
2315	Disc sort (8410)	7651	This is the multicycle indicator. The amount of input exceeds the normal working storage. When this sort is ended, replace the input, work, and output discs on the same units and run the sort again with the same statement cards and the MCYCL card added. The remaining records on the input file are then sorted. Use the merge program to merge the sorted output files into one file. Press the START switch to proceed.
2316	Disc sort (8410)	7651	The wrong input units are specified for the MCYCL run, or the wrong work discs have been used. Press the START switch to cancel the operation.
2317	Disc sort (8410)	7651	No input was received from IPRO. For recovery procedures, see 1316.

Hexadecimal Display	Program	Document	Meaning and Action
24xx	Disc sort (8410)	7651	The creation date or the generation number on the input unit xx does not match the information on the statement cards for the tag sort. Three options are available: 1. Disregard the halt and press the START switch; the new value from the present input disc is stored for comparisons with later volumes. 2. Replace the input disc, make a nonzero keyin higher than 01, and press the START switch. 3. Key in 01 and press the START switch to cancel the operation.
2400	IOCS (8411/8414 DAM)	7721	The options selected to process the file (DTF) and the I/O handling capabilities (DAMIT) are not compatible. Any response results in cancellation.
24u1	IOCS (8411/8414 DAM)	7721	One of the following errors was detected while attempting to process the file on physical unit u: ■ A READ (or WRITE) ID imperative macro was attempted with a SKAD record number of zero. ■ Invalid volume number in an absolute address. ■ SKAD address is the highest permitted. ■ SKAD record number is greater than permitted by the track. ■ Imperative macro that is not supported was detected. ■ One of the required half-word-aligned parameters is not on a half-word boundary. Any response results in cancellation.
24u2	IOCS (8410)	7639	An OPEN or CLOSE macro instruction was issued for a file already opened or closed. Press the START switch to cancel the job.
24u2	IOCS (8411/8414 DAM)	7721	An OPEN or CLOSE macro instruction was issued for a file already opened or closed. Any response results in cancellation.
24u3	IOCS (8410 DAM)	7639	I/O errors are preventing reading of the VTOC or file labels on physical unit u. For recovery procedures, see 24u2.
24u3	IOCS (8411/8414 DAM)	7721	The calculated record size is greater than the length specified in the BKSZ parameter. Key in 0/1 to cancel or key in any other character to ignore.

Hexadecimal Display	Program	Document	Meaning and Action
24u4	IOCS (8410 DAM)	7639	Either the VTOC cannot be found on physical unit u, or the file name cannot be found in the VTOC. Either make a nonzero keyin and press the START switch to repeat the search, or press the START switch to cancel the job.
24u4	IOCS (8411/8414 DAM)	7721	Program error detected in channel control word (CCW) chain. Any response results in cancellation.
24u5	IOCS (8411/8414 DAM)	7721	Imperative macro was issued without an intervening WAITF on a file which is expecting WAITF's to be issued. Any response results in cancellation.
24u6	IOCS (8410 DAM)	7639	An I/O error has occurred during a GET or PUT, and the ERRO keyword is not specified. For recovery procedures, see 24u2.
24u6	IOCS (8411/8414 DAM)	7721	A CCW chain returned a hardware error status on an unopened file. Any response results in cancellation.
24u7	IOCS (8410 DAM)	7639	A PUT or GET macro instruction was issued for an unopened file. The physical unit number in this halt display identifies the first volume of the file. For recovery procedures, see 24u2.
24u7	IOCS (8411/8414 DAM)	7721	Imperative macro was issued against an unopened file. Any response results in cancellation.
24u8	IOCS (8410 DAM)	7639	A file label check failed during an OPEN operation on physical unit u. Either make a nonzero keyin to ignore the error, or press the START swtich to cancel the job.
24u8	IOCS (8411/8414 DAM)	7721	Volume sequence check failed in opening a file. Key in 0 to retry or key in any other character to cancel.
24u9	IOCS (8411/8414 DAM)	7721	The record found as a Format 4 (VTOC) record does not have an ID of 4. Key in 0 to retry or key in any other character to cancel.
24uA	IOCS (8411/8414 DAM)	7721	An erroneous dispatcher status (length error, EOF, or no find) was returned during a search for VOL1 or Format 4 records. Any response results in cancellation.
24uB	IOCS (8411/8414 DAM)	7721	During a search for Format 1 label, an error status of EOF or wrong length was returned. Key in 0 to retry or key in any other character to cancel.
24uC	IOCS (8411/8414 DAM)	7721	The Format 1 label (File ID) was not found, which indicates the file is not on this pack. Key in 0 to retry or key in any other character to cancel.

Hexadecimal Display	Program	Document	Meaning and Action
24uD	IOCS (8411/8414 DAM)	7721	The record found as a Format 1 does not have an ID of 1. Key in 0 to retry or key in any other character to cancel.
24uE	IOCS (8411/8414 DAM)	7721	The creation date/expiration date check has failed. Key in 0 to retry or key in any other character to cancel.
24uF	IOCS (8410 DAM)	7639	The relative record number requested is larger than the largest record number in the file. The physical unit number in this halt display identifies the first volume of the file. Press the START switch to cancel the job.
24uF	IOCS (8411/8414 DAM)	7721	The search for a Format 3 record has either produced an error status of wrong length, an EOF or no find, or the record found as a Format 3 does not have an ID of 3. Key in 0 to retry or key in any other character to cancel.
25us	Disc sort (8411)	7834	The program is unable to read a checkpoint in groups 5 and 6; u is the physical unit number and s is the device status. Either press the START switch to retry, or make a nonzero keyin and press the START switch to cancel the operation.
25xx	Disc sort (8410)	7651	The next volume of input can be read from logical unit xx. Place the correct disc on the unit and press the START switch.
25u0	IOCS (8410 ISAM)	7639	Any I/O error except a nonoperational channel can cause this halt display. Press the START switch to continue, or make a nonzero keyin and press the START switch to cancel the operation.
25u0	IOCS (8411 ISAM)	7721	Any I/O error except a nonoperational channel can cause this halt display. A followup display, as listed below, can be executed by pressing the START switch. This display, in the format 00nn, describes the particular I/O operation attempted and the condition of the file. If the disc dispatcher detects a hardware error (main storage overrun, data check, etc.), ISAM reissues the order five times. If the hardware error persists, this second display takes the form 0Fnn, where the F denotes persistent hardware error. The nn portion of this second display has the same meaning listed below. The error conditions also are reflected in the status byte returned from the disc dispatcher (refer to IE?J+8 in the IOCS). The ISAM also places this byte in the file FT1 table (refer to the seventeenth (17) byte past the beginning of FT1).

Hexadecimal Display	Program	Document	Meaning and Action
2A02	Disc sort (8410)	7651	The sort type indicated on the checkpoint disagrees with the program phase. Rerun the sort with the correct Phase 3.
2Bhe	Dump/restore (8411/8414)	7835	2Bhe recovery procedures:

> 1. Correct and refeed the pair of cards being processed. Reply X'01' and the dump/restore program tries to reread this pair of cards.
>
> 2. Reply X'02' and the dump/restore program abandons trying to process the current pair of cards and returns to reading the control stream. This response works only if the error was detected while processing the second card of the set (message 2B2e or 2Cue); 2B1e messages should be responded to by refeeding a valid set of commands and answering X'01'.
>
> 3. Any other reply causes immediate cancellation of the job.

Hexadecimal Display	Program	Document	Meaning and Action
2Bh0	Dump/restore (8411/8414)	7835	Card h could not be identified; card 1 must contain either DUMP, REST, or HALT in columns 2—5; card 2 must contain UNIT.
2Bh1	Dump/restore (8411/8414)	7835	The unit type in column 7 of card h is not appropriate for the specified function; a dump-to or restore-from card was requested but a no punch IOCS was linked to DPRS; or there is insufficient main storage to carry out such functions. For recovery procedures, see 2Bhe.
2Bh2	Dump/restore (8411/8414)	7835	The unit indicated by the logical unit number in columns 9—10 of card h is not the right device type; i.e., not tape or disc as specified by column 7.
2Bh4	Dump/restore (8411/8414)	7835	The specified tape drive is not available for allocation to the dump/restore.
2Bh5	Dump/restore (8411/8414)	7835	ALL was specified on one card but not on the other.
2Bxx	Disc sort (8410)	7651	The disc on logical unit xx does not contain the correct checkpoint information. This halt display can occur only during a restart operation. Place the correct disc on the unit and press the START switch to continue the operation. To cancel, make a nonzero keyin and press the START switch.

Hexadecimal Display	Program	Document	Meaning and Action
2B00	Disc sort (8411)	7834	The input file type is direct access. Key in 01 and press the START switch to continue the sort operation, or make a higher keyin to cancel.
2BBB	Disc sort (8411)	7834	The input file type is not sequential, direct access, or undefined. Press the START switch to cancel.
2Cue	Dump/restore (8411/8414)	7835	2Cue recovery procedures: Same as 2Bhe recovery procedures.
2Cu0	Dump/restore (8411/8414)	7835	The volume serial number of the disc pack on unit u does not match the number specified on the command card.
2Cu1	Dump/restore (8411/8414)	7835	A read error occurred while reading the volume table of contents (VTOC) on unit u.
2Cu2	Dump/restore (8411/8414)	7835	The specified file could not be located on unit u.
2Cu3	Dump/restore (8411/8414)	7835	The disc drive identified as unit u is the wrong type. Information stored on a UNIVAC 8411 disc pack cannot be dumped to a UNIVAC 8414 disc pack or vice-versa. Also, information stored on a UNIVAC 8411 disc pack that has been dumped to tapes or cards cannot be restored to a UNIVAC 8414 disc pack or vice-versa.
2Cu4	Dump/restore (8411/8414)	7835	The partial extents specified for unit u do not begin and end within an extent occupied by the file being dumped or restored, or if the partial extent function involved ISAM files, it did not start at the same disc address for both files.
2Cu5	Dump/restore (8411/8414)	7835	An ISAM file was to be dumped or restored to another ISAM file that did not occupy the same extents.
2Cu6	Dump/restore (8411/8414)	7835	A no find occurred while trying to read VOL1 or format 2, 3, or 4 label on unit u.
2Cu7	Dump/restore (8411/8414)	7835	An ISAM file was to be restored to unit u but no format 2 label was read from tape or cards.
2Cu8	Dump/restore (8411/8414)	7835	An error occurred in trying to update a format 1 or 2 label on unit u.
2Cxx	Disc sort (8410)	7651	The tag sort is ready to output the final sequenced file on logical unit xx. If a SORTWORK disc is on the unit, press the START switch. Otherwise, place a SORTWORK disc on the specified unit and press the START switch. If the disc on the unit is unacceptable, halt display 2A01 is executed.

Hexadecimal Display	Program	Document	Meaning and Action
3F06	Disc sort (8411)	7834	The OLAB own-code module has canceled the operation. Press the START switch to cancel.
3FEn	Disc sort (8411)	7834	The input file number n is out of sequence. Press the START switch to cancel and retry after sorting the file in error.
3FF9	COBOL	7543	The program cannot be found on the logical specified tape unit number. Mount a different tape or check the program id on PARAM card.
3FFA	COBOL	7543	The PERFORM verb TIMES option indicates either 0 or negative TIMES. Press the START switch to continue.
3FFB	COBOL	7543	This is the ACCEPT verb halt display. At execution time the program halts with the display 3FFB when it enters the ACCEPT coding.

Low-volume data can be introduced by using keyins in the following manner:

1. Press the START switch. The program displays the lowest ACCEPT location in main storage. Keyins are made to this location and subsequent locations. The size of the ACCEPT may range from 1 to 132 bytes.
2. Make the necessary entries in EBCDIC by adjusting the MEMORY ADDRESS switches for each character (otherwise, the previous character is overlaid).
3. Press the START switch. The keyin data is now moved to the data item and the execution continues.
4. When possible, display the data that was accepted to confirm that the keyin was handled correctly.

Hexadecimal Display	Program	Document	Meaning and Action
3FFC	COBOL	7543	The PERFORM verb with the TIMES option results in a nest greater than 15. Press the START switch to continue.
3FFD	COBOL	7543	An illegal subscript was detected. Press the START switch to continue; assume that the subscript equals 1.
3FFE	COBOL	7543	No STOP RUN was specified at the end of the program or an attempt was made to execute a program for which object code suppression was requested. Press the START switch to return control to the supervisor.

Hexadecimal Display	Program	Document	Meaning and Action
3FFF	Disc sort (8410)	7651	The end of the job was detected. Press the START switch to return control to the supervisor and EOJ routine.
3FFF	Disc sort (8411)	7834	The merge-only phase is complete. Press the START switch to return control to the supervisor.
40uA	Locator/loader (8411)	7531	The VOL1 or format 4 label was either incorrect or not found on physical unit u. Install another disc and press the START switch to retry. To cancel the job, key in 01 and press the START switch.
			NOTE:
			The supervisor locator/loader is used by the RPG compiler, TRAN, and other utilities. Therefore, displays 40uA, 40uE, and 40uF may reflect no finds in various areas.
40uE	Fast locator/loader (8411/8414)	7531	SYSEXAR has not been allocated or its index control block is not readable. No recovery is possible. Press the START switch to cancel the job.
40uE	Locator/loader (8410/8411)	7531	The file being searched for cannot be found on disc physical unit u. For recovery procedures, see 40uA.
40uF	Locator/loader (tape/disc)	7531	The requested program or phase cannot be located on physical unit u. For recovery procedures, see 40uA.
4007	Tape sort	4142	The sort library cannot be read or written on the work tape. Press the START switch to cancel the sort.
4009	Tape sort	4142	An improper sequence of PHASE END and INCLUDE cards is in the own-code element. Press the START switch to cancel. Correct sequence of cards and resubmit.
400B	Tape sort	4142	The sort library cannot be found on the sort work tape. For recovery procedures, see 4007
400C	Tape sort	4142	A data error from the sort library tape has occurred. For recovery procedures, see 4007.
400D	Tape sort	4142	A record count error from the sort library tape has occurred. For recovery procedures, see 4007.
400E	Tape sort	4142	A block on the sort library tape cannot be read. For recovery procedures, see 4007.

Hexadecimal Display	Program	Document	Meaning and Action
40A2	Job control (tape)	7531	A read error occurred while reading a checkpoint header record. Press START switch to cancel.
40A3	Job control (tape)	7531	A tapemark was detected while trying to read a checkpoint header record. Press START switch to cancel.
40A8	Job control (tape)	7531	A wrong length record was read while trying to read a checkpoint header record. Press START switch to cancel.
40A9	Job control (tape)	7531	While repositioning a data tape during restart procedures, end-of-file was detected. Mount another tape and press START switch to retry.
40AA	Job control (tape)	7531	During restart procedures, a tape mark was read while searching for the HDR1 label block of a tape file. Install another tape on the unit and press the START switch to try again. To cancel, an unsolicited keyin must be used.
40AB	Job control (tape)	7531	During restart procedures, the file-id on a data tape which is to be repositioned did not match the file-id contained in the checkpoint. Press START switch to ignore the error or cancel with an unsolicited keyin. ←
40AC	Job control (tape)	7531	Same as for 40AB, except mismatch was on creation date.
40AD	Job control (tape)	7531	Same as for 40AB, except mismatch was on generation number.
40AE	Job control (tape)	7531	During restart procedures, a read error occurred while trying to read the HDR1 label block of a data tape. Same recovery action as 40AB.
40AF	Job control (tape)	7531	Same as for 40AB, except mismatch was on volume number.
4100	Supervisor (OS-500)	7869	An unrecoverable error has occurred in OS-500. The cause may be either hardware or software failures.
4101	Job control	7531 7547	The second unit specified on a SWAP control card is already allocated. Replace the control card, reinitialize the card reading device, and press the START switch.
4102	Job control	7531 7547	A control card is out of sequence. Reorder the control cards, reinitialize the card reading unit, and press the START switch.

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Hexadecimal Display	Program	Document	Meaning and Action
4102	Disc linker (8410/8411/ 8414)	7508	The mandatory CTL card was not the first card in the input deck or was invalid. Clear the reader, insert the valid CTL card, followed by the remainder of the input deck, feed one card, then press the START switch.
4103	Job control (tape)	7531 7547	The tape unit on the ASSGN control card is not a 7-track unit, or a UNISERVO 12 tape unit. For recovery procedures, see 4101.
4104	Job control	7531	The program specified on an EXEC control card is a symbiont. Press the START switch to cancel this job.
4105	Job control	7531	Not enough main storage is available to execute this program. For recovery procedures, see 4104.
4106	Job control	7531	Facilities are inadequate for executing this program. For recovery procedures, see 4104.
4107	Job control	7531	The first unit specified on an ALT control card is allocated to a symbiont or the system. For recovery procedures, see 4101.
4108	Job control	7531 7547	The second unit specified on an ALT control card is allocated to a symbiont or the system. For recovery procedures, see 4101.
4109	Job control	7531 7547	One of the units specified on an ALT control card is marked down. For recovery procedures, see 4101.
410A	Job control (tape)	7531	The magnetic tape unit specified on the FILES control card is not available. For recovery procedures, see 4101.
410B	Job control (tape)	7531	The magnetic tape unit specified on the MTC control card is not available. For recovery procedures, see 4101.
410C	Job control (tape)	7531 7547	The MTC control card cannot be interpreted. For recovery procedures, see 4101.
410F	Job control	7531 7547	The device described on the DVCDN or DVCUP control card cannot be located in the physical unit table. For recovery procedures, see 4101.
4111	Job control	7531	The checkpoint record number specified on the RSTRT control card cannot be located. Press the START switch to retry. To cancel, key in 01 and press the START switch.
4120	Communications	7531 7547	An addition to the scan table cannot be made; the maximum table size would be exceeded. Press the START switch to cancel the operation.

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Hexadecimal Display	Program	Document	Meaning and Action
4121	Communications	7531 7547	An addition to the clocking table cannot be made; the maximum table size would be exceeded. For recovery procedures, see 4120.
412F	Job control	7531	The logical unit number specified on a control card is invalid; the number is greater than the highest logical unit number in the configuration, or it is not in the proper 2-digit format. For recovery procedures, see 4101.
413F	Supervisor	7531 7547	The SRC or keyin table was accessed when the table was blank or not initialized. Press the START switch to ignore the interrupt.
4150	Supervisor	7531	The unit specified in an unsolicited error recovery keyin in the concurrent operating system is not in error. Key in a new unit number to retry the operation.
4155	Job control	7531	The program executed is linked so low it overlays the supervisor. No recovery is possible. Press START switch to cancel the job.
4165	Job control	7531	Insufficient main storage is available for main program when restarting from checkpoint. No recovery is possible. Press START switch to cancel the job.
4166	Job control	7531	The lowest address to be restored, when restarting from checkpoint, would overlay the supervisor. Press START switch to cancel the job.
4171	Inquiry IOCS (DTFUQ)	7869	The generation of DTFUQ is incompatible with the type of inquiry device, or a single inquiry mode program is being executed with a supervisor that was generated without the SQWS parameter. No recovery is possible. Press START switch to cancel the program.
4171	Inquiry IOCS	7869	An attempt has been made to open a file already opened, or to issue a GET, CNTRL, PUT, or CLOSE macro instruction to a file not open. No recovery is possible; an EOQ operation is automatically performed.
4180	IOCS (card reader)	7526	The serial reader must be switched to read 80-column cards. Press the START switch.
418E	Job control	7531	See comments for 4180.
4190	IOCS (card reader)	7526	The serial reader must be switched to read 90-column cards. Press the START switch.
4194	Job control	7531	A loader read error occurred or an unloadable record was read while trying to load a symbiont. For recovery, see reference document.

Hexadecimal Display	Program	Document	Meaning and Action
4195	Job control (tape)	7531	A block-count error was detected while trying to load a symbiont. Press START switch to ignore the CALL card.
4196	Job control	7531	A device whose allocation is required by a symbiont's program-id record is not available for assignment to the symbiont. Press START switch to ignore the CALL card.
4197	Job control	7531	Insufficient main storage is available for concurrent processing, i.e., the symbiont to be loaded would overlay the job control program. For recovery, see 4194.
4198	Job control	7531	A symbiont is loaded that has the same number as the symbiont being loaded. For recovery, see 4194.
4199	Job control	7531	The module referenced is not a symbiont. For recovery, see 4194.
41A0	Supervisor	7531	An unrecoverable error has occurred in the print module. A unit is not available to the print module, or a CLOSE or PUT macro instruction was issued when the file was not opened, or a tape or disc error has occurred.
41A1	Supervisor	7531	The disc dispatcher returned an error status to the print module. Press the START switch to retry; reply nonzero to cancel the job.
41A2	Supervisor (8411)	7531	The print module has filled its output file. Press the START switch to cancel the job.
41A3	Supervisor (8411/8414)	7531	The buffered print file could not be located. Press the START switch. Supervisor locator MSG 14xx or 40xx is displayed. Reply with a nonzero keyin to cancel the job or with 0 keyin to retry the search.
41A9	Job control	7531	The print module was not closed by a program which was buffering its printer output to tape or disc. The last block of data and the end-of-file mark have not been written. Press START switch to continue.
41AA	Supervisor (tape)	7531	An incorrect length for a record block was detected during the tape load. Press the START switch to ignore the block in error.
41BB	Supervisor (tape)	7531	The block count is in error on a tape load. For recovery procedures, see 41AA.
41BB	Supervisor (tape/disc)	7531	An attempt was made to load an unloadable record. Press the START switch to cancel the operation.

Hexadecimal Display	Program	Document	Meaning and Action
41C0	Job control (8411/8414)	7531	When booting from a newly created system pack, this halt indicates that TRANSCYL has not been initialized for this supervisor. Press the START switch to continue. Under other conditions, this halt indicates that the contents of the transient file has been destroyed. TRAN must be run immediately to initialize TRANCYL.
41C1	Job control (8411/8414)	7531	The disc pack from which the system was booted does not contain a file labelled TRANSCYL. No recovery is possible. The disc pack is unusable until it has had TRANSCYL allocated on it by the direct access space management (DASM) program.
41C2	Job control (OS-500)	7531 7869	Unable to format the rollout file due to disc errors. Reply to the MSG to retry. If the halt condition persists, reprep the area occupied by ROLLOUT.
41C3	Job control (OS-500)	7531 7869	The rollout file is not cylinder aligned (8411/8414) or track aligned (8410). Reply to the MSG to continue processing. It is not possible to activate nonresident inquiry programs until ROLLOUT is relocated on cylinder boundaries.
41C4	Job control (OS-500)	7531 7869	The rollout file is not large enough to contain the largest possible main job to be run in this system. For recovery, see 41C3. ROLLOUT must be reallocated.
41CA	Supervisor (8411/8414)	7531	An expected comma was not encountered on a PARAM card or a PARAM R card did not end on a blank column. Clear the reader, correct the PARAM card in error, and press the START switch to retry.
41CB	Supervisor (8411/8414)	7531	The address specified on a PARAM card would cause the patch to be applied to the restricted area of main storage or to areas beyond the size of existing main storage. The address could also be odd if specified on a PARAM R card. For recovery procedures, see 41CA.
41CC	Supervisor (8411/8414)	7531	The address, length, or contents (PARAM R card only) of a patch were not specified in hexadecimal on the PARAM card. For recovery procedures, see 41CA.
41CE	Job control (tape)	7531 7547	The file specified on the FILES control card cannot be located. Correct the control card, rewind the tape, and press the START switch.
41CF	Job control	7531 7547	The card to be processed is not a control card. Replace the card, reinitialize the card reading unit, and press the START switch.

Hexadecimal Display	Program	Document	Meaning and Action
41Du	Job control	7531	The volume serial number of the disc on physical unit u does not match the one specified in a VOL statement. Mount the correct disc pack on physical unit u; then press the START switch to retry. To cancel the job, make an X'F0' operator request; then press the START switch.
41Eu	Job control (8411/8414)	7531	Job control was unable to read the VOL1 label on physical unit u. Either a read error occurred or the record read was not a VOL1 label. For recovery procedures, see 41Du. It may be necessary to also reprep the disc pack.
41EE	Supervisor (MOS)	7574	The job is canceled. Load the next program.
41EF	Supervisor, tape sort	7547 4142	The end of the job has been detected. Load the next program.
41EF	RPG (tape/ disc)	7620	The generation is complete or the end-of-file sentinel has been detected.
41FD	Supervisor	7531	The first card in the control stream IOCS file is not a DATA control card. Insert a DATA control card, reinitialize the card reading unit, and press the START switch.
41FE	Supervisor	7531	The first card in the control stream IOCS file is not a control card. For recovery procedures, see 41FD.

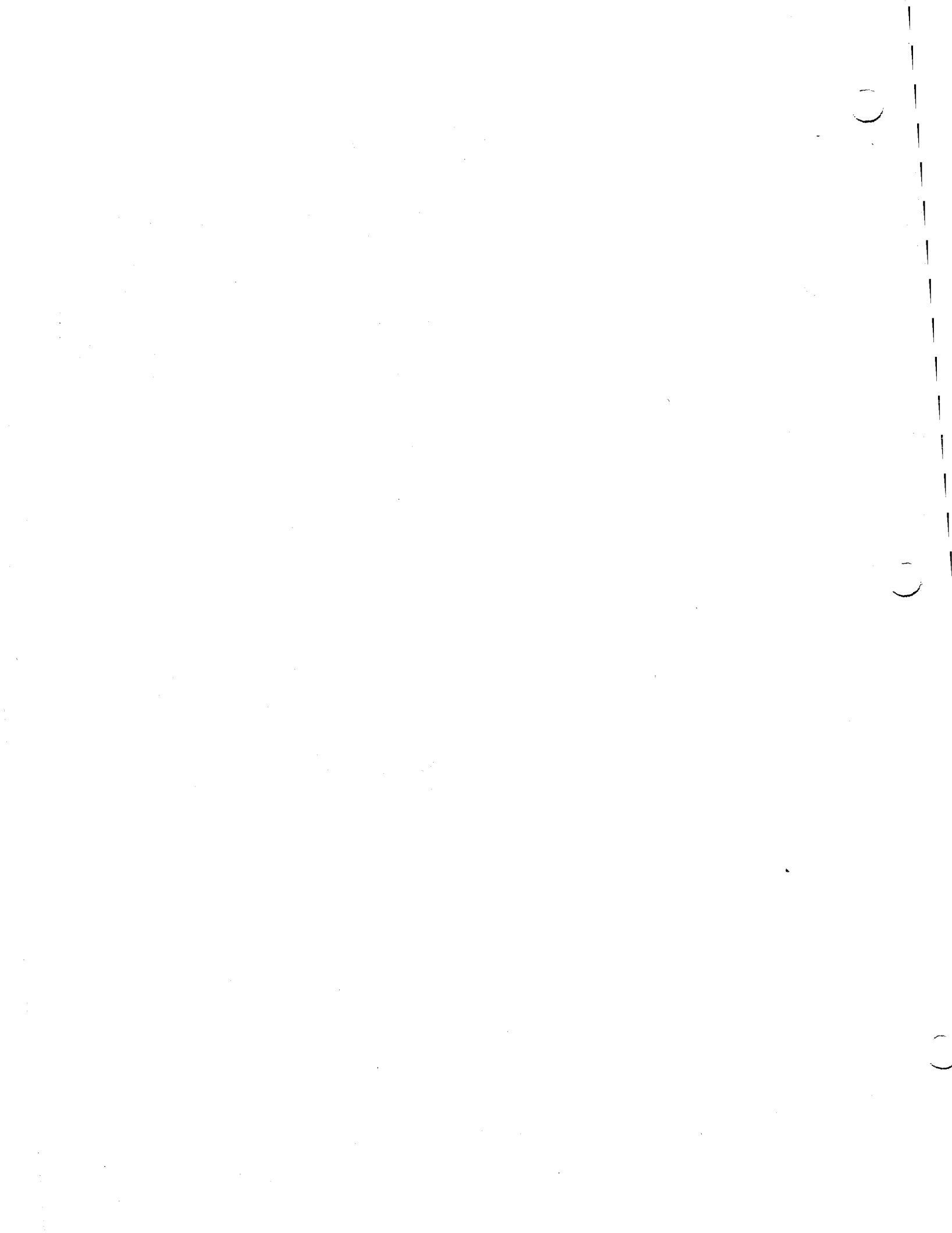| Hexadecimal Display	Program	Document	Meaning and Action
41FF	Supervisor (NCOS, COS)	7531	A GET macro instruction was issued before the control stream IOCS file was opened or after a CLOSE macro was issued. Press the START switch to cancel the operation.
41FF	Supervisor (MOS)	7547	The supervisor is loaded; load the first program.
4300	Card loader, tape sort	4092 4142	A card-count error has occurred. Press the START switch to ignore the error.
44US	Fast locator/ loader (8411/8414)		Error status occurred while trying to locate or load a program in SYSEXAR on physical unit u. Possible values for S are: 1 Software error 2 Data check 3 End-of-file 4 No find 8 Wrong length Press the START switch to cancel the operation. Make a nonzero reply to continue.
4730	RPG	7620 4106	A 1004 I/O error has occurred. Press the MANUAL ALTERATION switch 1. Feed one card if necessary. Set the MANUAL ALTERATION switch 1 to off and press the RUN switch on the 1004. Press the START switch on the UNIVAC 9200/9300 control console.
4Au2	Disc sort (8411)	7834	The format 1 label was not found during a read on physical unit u. This halt display indicates that a different disc pack was substituted for the one used at the beginning of the job, or that the VTOC was altered. Press the START switch to cancel the operation.
4Au3	Disc sort (8411)	7834	The format 1 pointer to the format 3 label on physical unit u is in error, or the format 3 label cannot be found. For recovery procedures, see 4Au2.
4A01	Disc sort (8411)	7834	The group 1 disc label address of the sorted output work file was not found. This halt display indicates an internal software problem. Record the contents of the registers, take a main storage dump, and submit an SSFR. Rerun the job to eliminate transient failures.
4A04	Disc sort (8411)	7834	Seventeen extents of a possible 16 were presented for output work files. Follow the recovery procedures for 4A01, and press the START switch to cancel the operation.

41FF—4A04

Hexadecimal Display	Program	Document	Meaning and Action
4De0	Disc sort (8410)	7651	A disc error has occurred when reading the disc library file. The error is represented by e:

e	Type of Error
1	Unrecoverable abnormal line
2	Unrecoverable output bus check
5	Catastrophic failure
7	Nonoperational channel
8	Invalid function
F	Unsuccessful unload buffer command

To cancel: after error 5, 7, or 8, press the START switch; after error 1, 2, or F, make a nonzero keyin and press the START switch. Error recovery is possible after 1, 2, or F; press the START switch to retry the disc operation.

Hexadecimal Display	Program	Document	Meaning and Action
4Exx	Disc sort (8410)	7651	The disc library file cannot be found on logical unit xx. Place a new volume on the unit, press the START switch to search again. To cancel, make a nonzero keyin and press the START switch.
4F01	Job control (8411/8414)	7531	The control stream, being processed from disc, is about to extend beyond the upper extent of the file. Unrecoverable. Press START switch to cancel.
4F02	Job control (8411/8414)	7531	An error has occurred in the CCW chain attempting to bring in the next block of images from the control stream file. No response or a zero keyin will cause a retry of the CCW chain. Any other response will cause a cancel.
4F03	Job control (8411/8414)	7531	The current image that would have been supplied to either job control or the program being executed is an END demarcation record. Unrecoverable. Press START switch to cancel.
4F04	Job control (8411/8414)	7531	The filename of the RUN card, either specified or implied, cannot be found on the logical unit specified or implied. No response or a zero keyin will cause a retry of the search for the filename. Any other response will cause a cancel.
4F05	Job control (8411/8414)	7531	The filename has been found but the jobname specified cannot be found within that file. No response or a zero keyin will reinitiate the search for the filename and, in turn, for the jobname. Any other response will cause a cancel.

Hexadecimal Display	Program	Document	Meaning and Action
5740	Tape-to-print or disc-to-print symbiont (bar printer)	7531	Paper runaway has occurred. Press the START and PRINTER CLEAR switches. Using the OP REQ switch, key in one of the following: GO, REWIND, BACKSPACE, or BACKPAGE (to BACKPAGE, home the paper manually before making the keyin). Do not use the GO keyin if the paper position cannot be reestablished.
5740 FORMS RUN-AWAY	Tape-to-print or disc-to-print symbiont (drum printer)	7531	The stop channel was not detected for the home paper or forms overflow position. The error is recoverable only if the paper can be repositioned. Press the START switch, then correct the condition. On the printer, set the rocker switch to OFF LINE; press the CLEAR switch; reset the rocker switch to ON LINE; and press the RUN switch. Then key in GO, REWIND, BACKSPACE, or BACKPAGE, using the OP REQ switch.
5740 FORMS OUT	Tape-to-print or disc-to-print symbiont (drum printer)	7531	The printer is out of paper; the line has not been printed. For recovery procedures, see 5740 FORMS RUN-AWAY. Then key in GO, using the OP REQ switch.
5740	Tape-to-print or disc-to-print symbiont (drum printer)	7531	STOP2, a parity error has occurred in the print buffer data area. For recovery procedures, see 5740 FORMS RUN-AWAY. Then key in GO, using the OP REQ switch to reissue the XIOF instruction. If the error persists, a hardware malfunction is possible.
5780	Tape-to-print or disc-to-print symbiont (bar printer)	7531	An abnormal condition exists, or the printer is not ready. Press the START switch. Correct the condition and press the PRINTER CLEAR switch. Using the OP REQ switch, key in one of the following: GO, REWIND, BACKSPACE, or BACKPAGE (to BACKPAGE, home the paper manually before making the keyin).
5780	Tape-to-print or disc-to-print symbiont (drum printer)	7531	An invalid command was issued by the channel. Take a main storage dump and use the KILL keyin.
5780	Tape-to-print or disc-to-print symbiont (drum printer)	7531	STOP2, a parity error has occurred in the print buffer code area. The KILL keyin must be used or the program must be started over.
5Eus	Disc sort (8411)	7834	A hardware error has occurred on physical unit u; the status (s) is shown. Either press the START switch to retry, or key in 01 and press the START switch to cancel the operation.

Hexadecimal Display	Program	Document	Meaning and Action
5F04	FORTRAN	7549	The number of arguments passed to a subroutine or function is not the number of arguments that the subroutine or function wants. Unrecoverable error – press START switch to cancel the job.
5F10	FORTRAN	7549	Variable if the computed GO TO is larger than the number of labels. Press START switch to cancel the job.
5F11	FORTRAN	7549	Indicates the following:

Indicates the following:

1. If a READ statement, this is not a read unit.

2. If a WRITE statement, this is not a write unit.

3. The I/O handler corresponding to a unit number was not linked to this program.

4. The unit specified in a BACKSPACE, ENDFILE or REWIND statement is not a tape or disc unit.

Press START switch to cancel the job.

5F13	FORTRAN	7549	The address contained by the variable in an assigned GO TO does not match the address of any statement label in the associated list of acceptable statement labels. Press START switch to cancel the job.
5F1F	FORTRAN	7549	The program has attempted to open more than six reader, printer, and punch files. Press START switch to cancel the job.
5F44	FORTRAN	7549	Format has exceeded the buffer, or input description and type of variable are not compatible. Press START switch to cancel the job.
5F45	FORTRAN	7549	The variable types contained in the FORMAT statement do not agree with those in the READ statement. Press the START switch to cancel the job.
5F46	FORTRAN	7549	The expected unformatted physical record was not read. Either the input file has been destroyed or there is a logic error in the user program. Press the START switch to cancel the job.

Hexadecimal Display	Program	Document	Meaning and Action
5F77	FORTRAN	7549	A value has been read from an input file which is not compatible with its FORMAT statement or which will not fit into the variable assigned to it. The variable is set to zero. Press START switch to proceed from this point or key in a nonzero into location 4 to cancel the job.
5F8x	FORTRAN	7549	The FORTRAN program has attempted to open a file for any device type x that is not configured in this supervisor's logical/physical unit tables. Possible values for x are:

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2	Serial punch	8	Drum printer
3	Bar printer	A	1004 reader
4	Row punch	B	1004 printer
5	1001 card controller	C	1004 punch

No recovery is possible. Press the START switch to cancel the job.

Hexadecimal Display	Program	Document	Meaning and Action
5Euu*	FORTRAN	7549	End-of-file was detected for unit uu but END=n was not included in the READ statement. The unit number (uu) is expressed in decimal. Press START switch to call EXIT.
5Du0*	FORTRAN	7549	In attempting to open a disc file, the FORTRAN program submitted an invalid logical unit number. Unrecoverable error — press START switch to cancel the job.
5Du1*	FORTRAN	7549	A software error status has been returned by the disc dispatcher. Unrecoverable error — press START switch to cancel the job.

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*In each of the disc handler displays (i.e., 5Dxx) u corresponds to the file number in the I/O statement in the issuing program, i.e., for file 50, u=0, for file 54, u=4, etc.

Hexadecimal Display	Program	Document	Meaning and Action
5Du2*	FORTRAN	7549	A disc data check has occurred. Unrecoverable error— press START switch to cancel the job. ←
5Du3*	FORTRAN	7549	A READ, ENDFILE, BACKSPACE, or REWIND has been issued to a disc file that is not open. Unrecoverable error — press START switch to cancel the job.
5Du4*	FORTRAN	7549	A disc no-find has occurred. Unrecoverable error — press START switch to cancel the job.
5Du5*	FORTRAN	7549	The disc record to be read or written is located outside the extent of the file in use. Unrecoverable error — press START switch to cancel the job.
5Du6*	FORTRAN	7549	A wrong-length-record status was returned by the disc dispatcher. Unrecoverable error — press START switch to cancel the job.
5Du7*	FORTRAN	7549	An attempt was made to write on a read-only disc file. Unrecoverable error — press START switch to cancel the job.
5Du8*	FORTRAN	7549	For a disc file which was being opened for output, the expiration date is greater than the current supervisor date. Unrecoverable error — press START switch to cancel the job.
5Du9*	FORTRAN	7549	A software error status was returned by the disc dispatcher while trying to open a disc file. Press START switch to cancel the job; make nonzero reply to retry the VTOC search.
5DuA*	FORTRAN	7549	A data error occurred while trying to open a disc file. Press START switch to cancel the job; make nonzero reply to retry the VTOC search.
5DuB*	FORTRAN	7549	An end-of-file mark was read while trying to open a disc file. Press START switch to cancel the job; make nonzero reply to retry the VTOC search.
5DuC*	FORTRAN	7549	A no-find occurred while trying to open a disc file. Press START switch to cancel the job; make nonzero reply to retry the VTOC search.
5DuD*	FORTRAN	7549	A wrong-length record was read while trying to open a disc file. Press START switch to cancel the job; make nonzero reply to retry the VTOC search.

*In each of the disc handler displays (i.e., 5Dxx) u corresponds to the file number in the I/O statement in the issuing program, i.e., for file 50, u=0, for file 54, u=4, etc.

Hexadecimal Display	Program	Document	Meaning and Action
5DuE*	FORTRAN	7549	The disc filename specified by the FORTRAN program is not on the VTOC. Press START switch to cancel the job; make nonzero reply to retry the VTOC search.
5DuF*	FORTRAN	7549	The VOL1 label could not be read. Press START switch to cancel the job; make nonzero reply to retry the VTOC search.
6xss	IOCS	7728 7526	For many IOCS halts, the second (ss) byte represents a combination of status bits. More than one bit may be displayed at a given time. Thus, 61C0 would be a reader display for a combination of displays 6180 and 6140, 6324 would be a printer display combining the 6320 and 6304 displays, etc.
60u0	Dispatcher (tape)	7531	The START switch has been pressed in an attempt to recover from an unrecoverable error on physical unit u.
60u1	Dispatcher (tape)	7531	The tape dispatcher has tried to recover from a read or write error five times; to try five more times, press the START switch. To skip the request packet, key in 01 and press the START switch.
60u2	Dispatcher (tape)	7531	The invalid command sense bit (bit 0 of sense byte 0) has been set. One cause of this error is an attempt to perform a write or erase operation, or write a tapemark on a file without the write-enable ring inserted. Make the correction and press the START switch to complete the operation.
60u3	Dispatcher (tape)	7531	The noise bit (bit 0 of sense byte 1) has been set while an erase command was being executed. For recovery, see 60u1.
60u4	Dispatcher (tape)	7531	The equipment check bit (bit 3 of sense byte 0) has been set. No recovery is possible.
60u5	Dispatcher (tape)	7531	The noise bit and the tape fault bit (bit 6 of sense byte 4) have been set during a write or write tapemark operation on physical unit u. No recovery is possible.

*In each of the disc handler displays (i.e., 5Dxx) u corresponds to the file number in the I/O statement in the issuing program, i.e., for file 50, u=0, for file 54, u=4, etc.

Hexadecimal Display	Program	Document	Meaning and Action
6809	IOCS (paper tape)	7728 7526	The punch is offline. To cancel, press the START switch. To continue, press the punch RUN switch, make a nonzero keyin, and press the processor START switch.
680A	IOCS (paper tape)	7728 7526	The patch board is out. To retry, make a nonzero keyin and press the START switch. To cancel, press the START switch. This halt display does not occur if ATTN is specified on reading. Use the reader RUN switch to continue strip reading.
680C	IOCS (paper tape)	7728 7526	The punch takeup reel is full. To continue, press the paper tape unit RUN switch, make a nonzero keyin, and press the processor START switch. To cancel, press the START switch.
680D	IOCS (paper tape)	7728 7526	The punch paper supply is low. For recovery procedures, see 6800.
680E	IOCS (paper tape)	7728 7526	The read tape is broken; the switch was closed while a valid character was being read. For recovery procedures, see 6808. The partially read record is not delivered to the user program. The tape should be repaired and repositioned so that the entire record is rerun. Then press the RUN switch on the paper tape subsystem, and make a nonzero keyin and press the START switch on the processor.
680F	IOCS (paper tape)	7728	The device specification is invalid. Press the START switch to execute the display again, or make a nonzero keyin and press the START switch to retry the operation.
680F	IOCS (paper tape)	7526	The specified device is invalid or it is offline. If the punch is being used, press the START switch to cancel. If only the reader is being used, make a nonzero keyin and press the START switch on the processor. On the paper tape subsystem reader, press the STOP and RUN switches.
68FA	IOCS (paper tape)	7728 7526	The device ID is not equal to 09. Press the START switch to cancel the operation.
68FB	IOCS (paper tape)	7728 7526	The channel number specified in the call does not equal the PU table channel. For recovery procedures, see 68FA.
68FC	IOCS (paper tape)	7728 7526	The paper tape subsystem is marked down. If the unit is now up, key in 01 and press the START switch; otherwise, cancel the operation.

Hexadecimal Display	Program	Document	Meaning and Action
68FD	IOCS (paper tape)	7728 7526	A unit usage conflict has been detected. For recovery procedures, see 68FA.
68FE	IOCS (paper tape)	7728 7526	The file addressed is not open. For recovery procedures, see 68FA.
68FF	IOCS (paper tape)	7728 7526	The file addressed was not previously closed. For recovery procedures, see 68FA.
6900	OS-500	7869	Disc errors occurred in the rollin/rollout routine. No recovery is possible. The job is cancelled.
69u1	Dispatcher (8411)	7547 7531	An operation was addressed to a nonoperational channel. Press the START switch to skip the request packet and go on to the next packet.
69u2	Dispatcher (8411)	7547 7531	A data error has occurred on the channel or device associated with physical unit u. The command chain has been reissued 10 times if bit 0 of byte 8 of the disc request packet is 0. Press the START switch to retry, or make a nonzero keyin and press the START switch to skip the next packet.
69u3	Dispatcher (8411)	7547 7531	Intervention is required; a cause of this halt display could be an attempt to write on a device with the file protect switch on, or the device may be offline. Physical unit u is involved. Press the START switch to retry the operation, or make a nonzero keyin and press the START switch to skip to the next packet.
69u4	Dispatcher (8411/8414)	7547 7531	A track overrun has occurred on physical unit u. Press the START switch to skip the disc request packet. The track with the overrun record must be erased or reprepped.
69u5	Dispatcher (8411/8414)	7547 7531	An invalid command sequence was issued to physical unit u. Press the START switch to skip the disc request packet. A program error may have caused the CCW chain to contain an invalid command or otherwise to issue a command that cannot be accepted by the disc control unit.
69u6	Dispatcher (8411)	7547 7531	The physical unit addressed by the request packet is not a disc drive. This error can be caused by an erroneous logical unit number in the packet. Press the START switch to skip the packet.
6AdA	IOCS (1004 subsystem)	7728 7526	The device ID in the PU table does not equal the current specification. Press the START switch to cancel the operation. The d = 1 for the 1004 reader, 2 for the 1004 punch, and 3 for the 1004 printer.

Hexadecimal Display	Program	Document	Meaning and Action
6F00	OS-500	7869	A nonoperational channel indication was received for a line on the DCS-1 or DCS-4. This is displayed once for each nonoperational channel that is configured. No reply is required. Submit a DVCUP statement in the control stream for the first logical unit on the line after the hardware problem has been corrected.
6F05	OS-500	7869	The device identification does not match the contents of the PU table for a remote inquiry unit u. This display indicates a software status error and is nonrecoverable.
6EEE	Sort/merge (8411/8414)	7834	Number of records written by SORT does not equal the number of records read. Reply with X'01' to ignore the error; any other reply will cause job cancellation.
70cc	DCT 2000 communications	7624	An OPEN, GET, or PUT sequence error has occurred. The channel number (cc) is displayed. No error recovery is possible.
71cc	Inter- communications	7611	A parity check (or a BUS OUT, data check, overrun, or carrier off condition) has occurred. The channel number (cc) is displayed. Press the START switch five times to retry, or make a nonzero keyin and press the START switch to cancel the operation.
71cc	DCT 2000 communications	7624	A time out on no ACK from the DCT 2000 has occurred. To retry, press the START switch. To cancel, key in 01 and press the START switch. Key in 02 and press the START switch to send a BEL message to the DCT 2000 to go to voice communications.
72cc	Inter- communications	7611	The file is not open. The channel number (cc) is displayed. Press the START switch to cancel the operation.

Hexadecimal Display	Program	Document	Meaning and Action
72cc	DCT 2000 communications	7624	Ten successive NAKs were received. The channel number (cc) is displayed. To cancel, key in 01 and press the START switch. To retry, press the START switch. Key in 02 and press the START switch to send a BEL message to the DCT 2000 to request voice communications.
7222	8411/8414 transient write out (TRAN)	7531 7721	A match did not result when TRAN compared the number of the cylinder specified on the control card with that of the TRANSCYL file. Press the START switch to write the standard system transients on TRANSCYL, or key in 01 and press the START switch to write the transients on the cylinder specified by the control card. Any other nonzero keyin cancels the job.
73cc	Inter-communications	7611	A response table error has occurred. The channel number (cc) is displayed. For example, the communications buffer is not modulo 138. Press the START switch to cancel the operation.
73cc	DCT 2000 communications	7624	Input time out has occurred. The channel number (cc) is displayed. Press the START switch to retry five times, or make a nonzero keyin and press the START switch to cancel the operation.
7333	8411/8414 transient write out (TRAN)	7531 7721	An unsuccessful write of a transient has occurred. Press the START switch to retry, or make a nonzero keyin and press the START switch to cancel.
74cc	DCT 2000 communications	7624	A BEL message has been received. Press the START switch to retry. Key in 01 and press the START switch to cancel. Key in 02 and press the START switch to send a BEL message requesting voice communications. The channel number (cc) is displayed.
7444	8411/8414 transient write out (TRAN)	7531 7721	An invalid record type in the relocatable transient library has been detected. Press the START switch to cancel the job.
7455	8411/8414 transient write out program (TRAN)		The transient to be written has a start address other than zero. See 7444 for action.
7466	TRAN		The element to be written as a transient is not a relocatable element. See 7444 for action.

Hexadecimal Display	Program	Document	Meaning and Action
7477	TRAN		A text record has been read which has an ESID other than 01. This would have been caused by an ORG to an absolute address or by the use of multiple CSECTs. All text within a transient must have a relocatable load address and must be a part of a single control section. See 7444 for corrective action.
7488	TRAN		A text record has been read whose relocatable load address is less than 0004. The first 4 bytes of a transient may not contain any code; they must be accounted for by a DS or ORG statement. See 7444 for corrective action.
7499	TRAN		TRANSCYL is not cylinder-aligned on the output pack. See 7444 for corrective action.
74AA	TRAN		TRANSCYL does not consist of at least 20 tracks. See 7444 for corrective action.
74BB	TRAN		Insufficient room remains on current track to write out the requested transient. See 7444 for corrective action.
74CC	TRAN		TRAN was unable to find or read the VOL1 or Format-4 labels on the output pack. See 7444 for corrective action.
74DD	TRAN		The ID field of the transient to be written out does not match the disc address (head and record) where the transient was to be written. See 7444 for corrective action.
74EE	TRAN		TRANSCYL cannot be located on the output unit. Press the START switch to retry the search.
74FF	TRAN		The relocatable module to be written out as a transient cannot be located on the input unit. Press the START switch to retry the search.
75cc	DCT 2000 communications	7624	A communications device was already allocated to the system. The channel number (cc) is displayed. No recovery procedures are possible.
75cc	GCCR	7816	The allocation code in the macro instruction does not agree with the code listed in the PU table entry. The error is recoverable through program coding. The channel number (cc) is displayed.

Hexadecimal Display	Program	Document	Meaning and Action
75xx	Binary synchronous communications control (DCS-1C)	7901	The channel is marked as previously allocated in the physical unit table of the operating system; key in a nonzero to continue processing, or press the START switch to cancel.
7522	DCS-1C	7901	The set-data-terminal-ready function was not successful. A halt in the OPEN routine means that the DCS-1C hardware is not operational, or a channel number conflict is in one or all of the following: the control program, the MOS, or the hardware device number. Press the START switch to cancel.
76cc	GCCR DCT 2000 communications	7816 7624	The ID supplied is not a communications device identification. No error recovery is possible.
76xx	DCS-1C	7901	The physical unit table entry corresponding to the unit identified by the RDEV keyword parameter is not a communications device. Press the START switch to cancel.
77cc	DCT 2000 communications	7624	Five successive unit checks have occurred. For recovery procedures, see 74cc.
78cc	Inter-communications	7611	The DCS on channel number cc is offline. Place the unit online and press the START switch to retry.
78cc	GCCR DCT 2000 communications	7816 7624	The logical and physical unit tables disagree with the macro instruction on the channel specification. The channel number is represented by cc. No error recovery is possible.
78xx	DCS-1C	7901	The channel number in the physical unit table does not agree with the specification of RCHN or TCHN keyword parameter. Press the START switch to cancel.
79cc	Inter-communications	7611	An invalid function was detected on channel number cc. Press the START switch to retry, or make a nonzero keyin and press the START switch to cancel the operation.
79cc	DCT 2000 communications	7624	Five unsuccessful attempts were made to issue an XIOF instruction. For recovery procedures, see 74cc.
79cc	GCCR	7816	The channel (number cc) is offline. Set the DCS switches to the on position. The error is recoverable through program coding.
7Acc	Inter-communications	7611	Time is out; the clock is reset during an interchange. Press the START switch to resubmit the request.

Hexadecimal Display	Program	Document	Meaning and Action
7Acc	DCT 2000 communications	7624	The device is down; the channel number is cc. No recovery is possible.
7Acc	GCCR	7816	The device requested is not operable. The channel number is cc. The error is recoverable through program coding.
7Axx	DCS-1C	7901	The unit identified in the physical unit table is marked as not operational (DOWN). Key in a nonzero to continue, or press the START switch to cancel.
7Bcc	Inter-communications	7611	The physical unit specified on channel cc is already allocated. Press the START switch to cancel the operation.
7Bcc	DCT 2000 communications	7624	A CLOSE macro instruction was issued to a file before an OPEN macro instruction was executed. No recovery is possible.
7Ccc	GCCR	7816	The communications buffer specified by the DTFGC macro instruction does not lie on a 128-byte boundary. No recovery is possible.
7Cxx	DCS-1C	7901	The communications buffer identified through the CBUF keyword parameter is not defined on a 128-byte boundary. Press the START switch to cancel.
7CCC	8411/8414 supervisor transient handler	7531	The ID of the transient read does not match the ID field in the transient call. Press the START switch to cancel.
7CDD	Job control 8411/8414	7531	The transient tape dispatcher would wipe out portions of the supervisor if loaded. TRAN must be reexecuted to assign it a higher load address. Unrecoverable — press START switch to cancel.
7CEE	Job control 8411/8414	7531	The transient tape dispatcher would wipe out portions of job control if loaded. Either JBCN must be re-linked at a higher address, or TRAN must be reexecuted to assign T?PETRAN a lower load address. Unrecoverable — press START switch to cancel.
7Dcc	DCT 2000 communications	7624	No EOM is in the DLT version of the output message. For recovery procedures, see 74cc.
7Dxx	DCS-1C	7901	Manual dialing is required. The operator must establish the connection with the remote device and press the START switch to return control to the control program.

Hexadecimal Display	Program	Document	Meaning and Action
7Ecc	DCT 2000	7624	The device on channel number cc is offline; check the DCS switches. For recovery procedures, see 74cc.
7Exx	DCS-1C	7901	Manual answering is required. The operator must establish the connection with the remote device and press the START switch to return control to the control program.
7F00	IOCS (0716 card reader)	7526	The STOP switch has been actuated. Ready the reader and press the START switch to continue.
7F04	IOCS (0716 card reader)	7526	Data overrun (stop-on-errors mode); remove last card from the normal stacker and place it in front of the deck in the hopper. Press the RUN switch/indicator. Press the START switch to retry.
7F20	IOCS (0716 card reader)	7526	Parity error on command byte; press the START switch to retry.
7F40	IOCS (0716 card reader)	7526	The reader is not ready. Ready the reader. Press the START switch to retry.
7F41	IOCS (0716 card reader)	7526	Misfeed, empty hopper or stacker (stop-on-errors mode); perform the following, depending on reason for stop condition:

1. If a misfeed, lift the top cover and inspect the card transport path. Close the cover and examine the first card in the hopper for damage.

2. If an empty hopper, lift the top cover and inspect the card transport path. Close the cover and place cards in the hopper.

3. If the stacker is full and if the alternate stacker fill feature is installed, remove the cards from the first stacker that was filled and press the STACKER RESET switch/indicator. Actuation of this switch enables the reader to switch back to filling the first stacker used. If this feature is not installed, remove the cards from the stacker. Press the RUN switch/indicator. Press the START switch to continue.

| 7F42 | IOCS (0716 card reader) | 7526 | Open interlock (front panels, back panels, or tape cover not fully closed); close the front panels, back panels, or top cover, then press the RUN switch/indicator. Press the START switch to retry. |

Comments concerning this manual may be made in the space provided below. Please fill in the requested information.

System: _____

Manual Title: _____

UP No: _____ Revision No: _____ Update: _____

Name of User: _____

Address of User: _____

Comments:

CUT

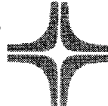**NOTE: DO NOT USE THIS FORM TO ORDER MANUALS.**