

**IBM System/3
Model 15
System Messages**

GC21-5076-2
File No. S3-20

Possible left characters of the halt code.

Possible right characters of the halt code.

MATRIX

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	␣	-	'				
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4	67	68		68	69	69	69	69	70	70	71	71	71	72	72	72	73	73		73	73	73	74	74	74		74	75	75	75		75	75	76	76	76	77	77				
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8	173	173		174	174	175	176		176	176	176		177		177	177	178		178		178		179			179						179			180		180					
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A	195	196	196	200	200		205	206	212				213						214		216																218		218			
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D	245	245																																								
E	246	247	248	248		249	249	251	252	254	256				256	257	257	258		260			261					261			262						262	262				
F	263	265	267	268	269	270	272	272	272	273	274				275					275								275	275	276				276		277	279					
H	279	280	280	280	280	280	280	280	280	280	280		280		281	283		283		284		284				284						284			285	286	288	288				
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Third Edition (June 1975)

This is a major revision of, and obsoletes, GC21-5076-1. This revision incorporates messages for the 3340 and the directly attached 3741 in addition to miscellaneous changes. Changes to the text and illustrations are indicated by a vertical line to the left of the change; changed or added illustrations are denoted by the symbol ● at the left of the caption.

This edition applies to version 03, modification 00, of the System/3 Model 15 System Control Program and Program Products, and to all subsequent versions and modifications until otherwise indicated in new editions or technical newsletters. Changes are continually made to the specifications herein; before using this publication in connection with the operation of IBM systems, consult the latest IBM System/3 Bibliography, GC20-8080, for editions that are applicable and current.

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A form for reader's comments is provided at the back of this publication. If the form has been removed, comments may be addressed to IBM Corporation, Publications, Department 245, Rochester, Minnesota 55901.

This manual provides the information needed to recover from program halts issued by the System/3 Model 15 System Control Program, Program Number 5704-SC1. Halts are also included for Program Products 5704-AS1, 5704-RG1, 5704-SM1, 5704-SM2, 5704-UT1, 5704-CB1 and 5704-F01. Information on how to use the manual and a description of the halts is provided.

The following manuals are recommended for additional information:

- *IBM System/3 Model 15 Operator's Guide*, GC21-5075
- *IBM System/3 Model 15 System Control Programming Reference Manual*, GC21-5077

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System/3 Model 15 halt codes are displayed as messages on the 3277 display station (CRT), or in the message display unit on the 5415 system control panel. Halt codes indicate incorrect program operation, machine errors, and in some cases, information or instructions to the operator. The operator should respond to all messages as quickly as possible to insure that processing may continue. Failure to respond to a message in one partition may cause the other partition to become inactive due to the unavailability of a system resource.

System messages (along with OCL statements and OCC commands) are also written to the system history area on disk. This occurs when the message is issued, and again when (and if) a response is entered for the message. The system history area, therefore, will contain a log of everything that has occurred in the system, in the order in which it occurred, up to the capacity of the area. The system history area is a wrap-around area. Once filled, the newest entry will always replace the oldest entry in the file.

The message for a halt code is displayed on one or more lines on the CRT, depending on the particular halt and the text information associated with that halt. Figure 1 shows a sample display with pointers to the various types of information.

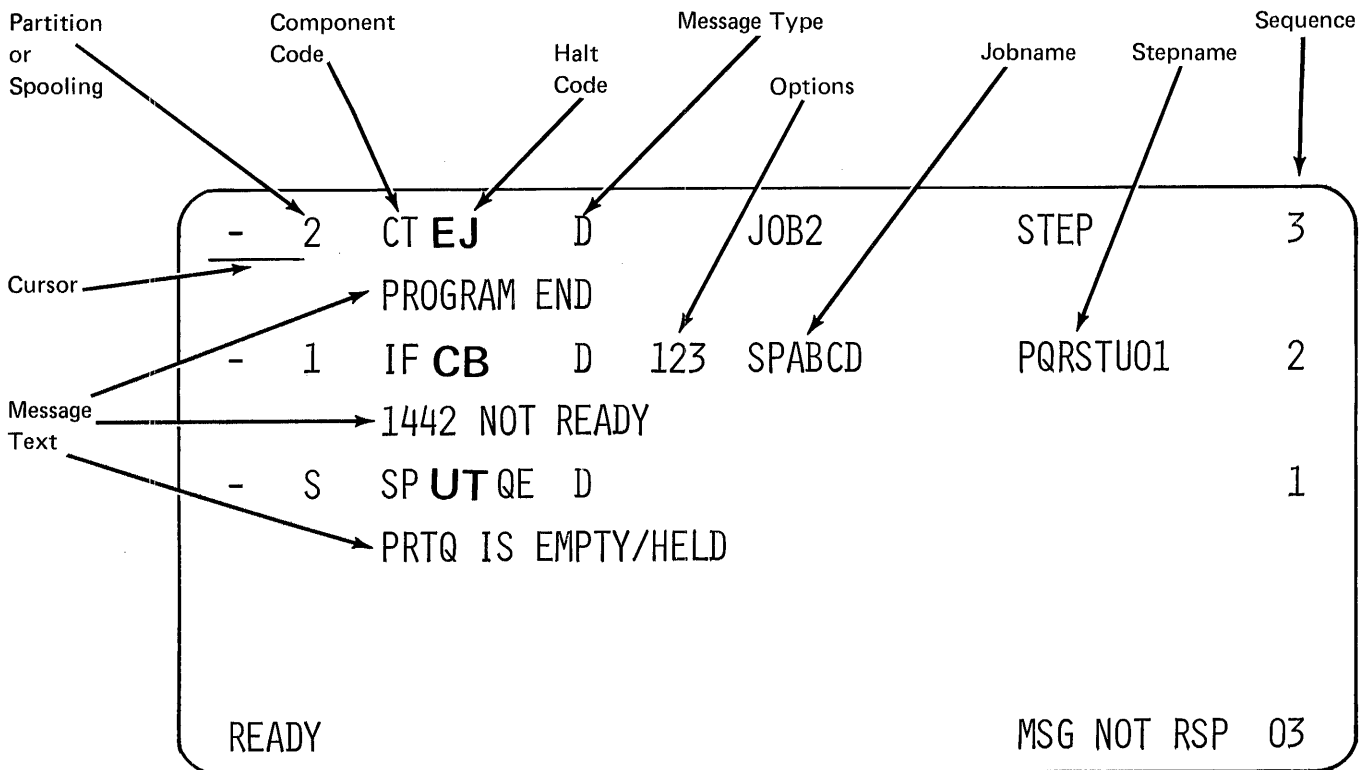
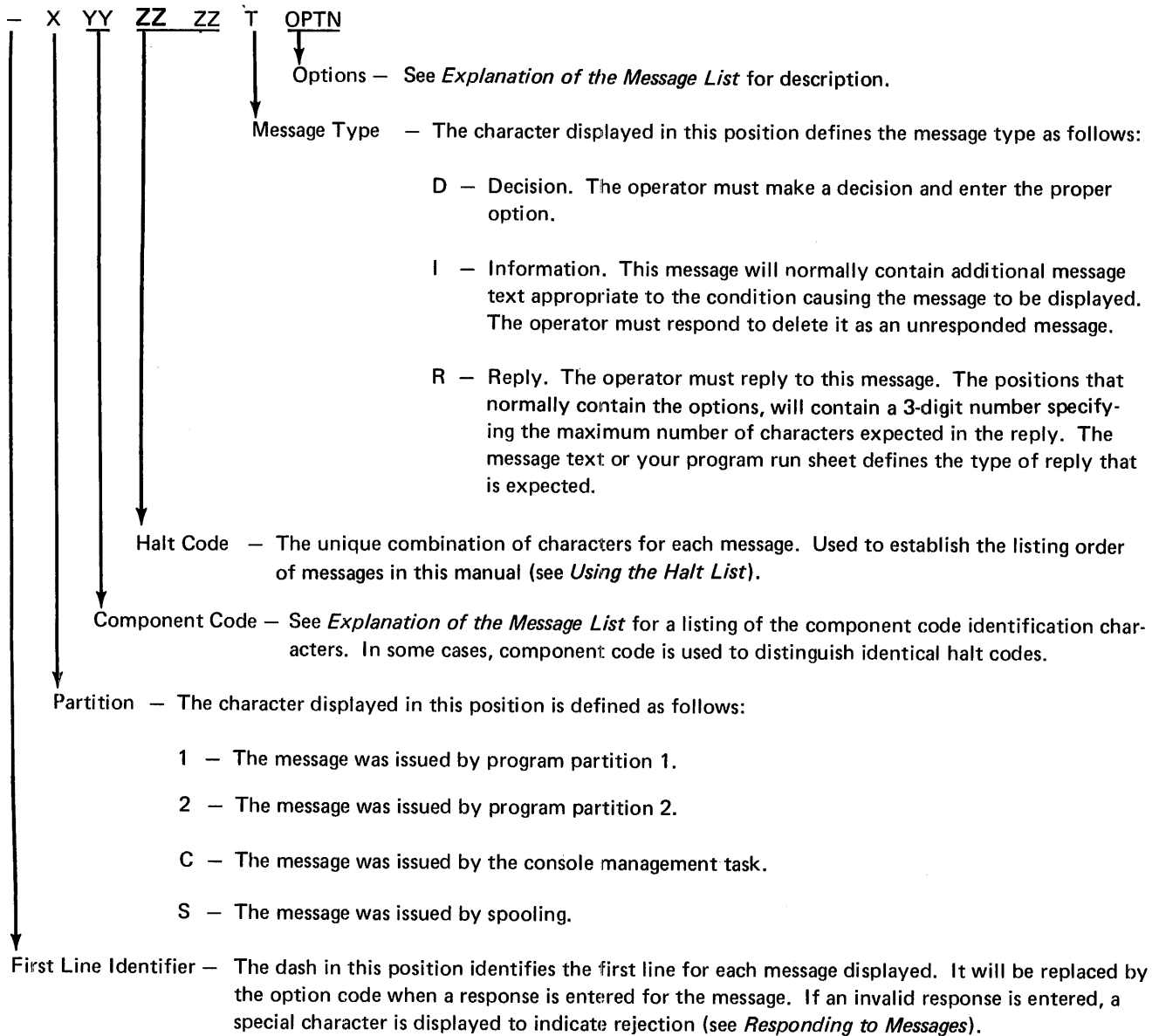


Figure 1.

The first part of the message will always be in the following format:



EXPLANATION OF THE MESSAGE LIST

The message list has column headings as shown in Figure 2. The following paragraphs describe the information contained in each column.

Message

MESSAGE -- Lists the component code and the halt code that can appear on the CRT for each message. The first two characters contain the component code of the program that issued the message. Figure 3 contains the possible characters that can appear in the first two positions of the message, and the program that the characters represent.

The last four characters of the message are the halt code and are used to establish the listing order of the messages in this manual (see *Using the Message List*). The first two characters in the halt code are intensified to appear brighter on the CRT, and are listed in bold type in this manual.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 5U SE	2	<u>13</u>	<p>Reason: Format or punctuation error in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The next statement entered is processed.</p> <p>3: Immediate cancel.</p>
UI 5U T1	2	<u>13</u>	<p>Reason: Parameter for the TYPE keyword is missing in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The next statement entered is processed.</p> <p>3: Immediate cancel.</p>

Figure 2.

Characters	Program (Component)
AS	Basic Assembler Program
CC	Scheduler Component
CI	Initiator
CP	Communications Control Program
CR	Reader/Interpreter
CS	Scheduler Support
CT	Terminator
DD	Disk Data Management
DK	3741 Data Management
DO	Common Open and Close
DS	System History Display Utility
DT	Tape Data Management
DU	Unit Record Data Management
EO	Overlay Linkage Editor
GF	Customer Engineering Program Support Programs
IB	Binary Synchronous Communications Adapter
ID	Disk ERP
IF	1442 ERP
IK	3741 IOS
IM	MFCU and MFCM ERP
IP	Printer ERP
IR	2501 ERP
IT	Tape ERP
IX	3284 ERP
LA	LOAD * Support
LM	Library Maintenance Program and Source Library Routines
MG	Gangpunch Card Utility
MI	1255 Support
ML	Card List Program
MP	Macro Processor
MR	Card Reproduce and Interpret Program
MS	Card Sort/Collate Program
RC	COBOL Compiler/Object Program
RF	FORTRAN Compiler/Object Program
RP	RPG II Compiler/Object Program (includes Auto Report)
RQ	Request Price Quotation (RPQ) Programs
SD	Disk Sort
SG	System Generation
SP	Spooling Support
ST	Tape Sort
UA	Alternate Track Assignment Program
UC	Copy/Dump Utility
UD	5445 Data Interchange Utility
UE	1000 File VTOC Conversion Program
UF	File Delete or File and Volume Label Display Program
UI	Disk Initialization Program
UP	Dump/Restore Program
US	5444 Simulation Area Program
UR	Alternate Track Rebuild Program
UT	Tape Initialization Program
UX	Reassign Alternate Track Program
VF	Supervisor

Figure 3. Two-character Representations of the Program

Severity

SEVERITY – Lists the severity assigned to the specific halt code. Severity is assigned to halt codes, in general, as follows:

- ⌀ – (blank) No default option is assigned for the halt code.
- 1 – Least severe. This is normally assigned to messages that contain information or instructions for the operator with option 0 as the only available option.
- 2 – This is normally assigned to OCL statement or OCC command errors with one option, or with two options if one is *retry*.
- 4 – This is normally assigned to programmer errors. This includes such errors as incorrectly referenced files and statements in the wrong order. These errors are usually associated with halt codes with multiple options.
- 8 – Most severe. This is normally assigned to hardware errors, permanent I/O errors, card or form jams, and error recovery procedure errors. These are errors that require operator action.

Severity is used in conjunction with the default option (the option that is underlined in the OPTION/DEFAULT column), and the SEVERITY parameter of the NOHALT statement as shown in Figure 4.

MESSAGE	SEVERITY	OPTION/ DEFAULT	//NOHALT	//NOHALT SEVERITY-1	//NOHALT SEVERITY-2	//NOHALT SEVERITY-4	//NOHALT SEVERITY-8
IT 2U 50		123	HALT	HALT	HALT	HALT	HALT
CC HY NN	1	<u>0</u>	HALT	0	0	0	0
UF 34	2	<u>13</u>	HALT	HALT	3	3	3
RP 17	4	<u>023</u>	HALT	HALT	HALT	2	2
IT 2P X2	8	<u>23</u>	HALT	HALT	HALT	HALT	2

Figure 4. Examples of application of NOHALT SEVERITY parameter.

Specifying a SEVERITY code that is equal to or greater than the severity assigned to a halt code will cause the system to automatically select the default option for the halt code, when and if the message containing that halt code is issued. Specifying a SEVERITY code that is less than the severity assigned to a halt code, or specifying a SEVERITY code of 0, or not specifying the SEVERITY keyword parameter in the NOHALT statement will cause the system to ignore the default option for the message.

Generally, the programmer will select halt mode when debugging a program and/or application. After the program has been running smoothly for awhile, the programmer will use nohalt mode with a low SEVERITY code until such time as he feels he can safely increase the SEVERITY code.

Options/Default

OPTIONS/DEFAULT – Lists the options that can be selected for the message. The default option is underlined (see *SEVERITY* for a description of the use of the default option). The options, in general, have the following meanings:

- ␣ – (blank) Continue. This option is normally associated with messages that contain information or instructions for the operator. The program does not normally wait for a response to a message with a blank option unless a total of 10 messages have already been issued, and not responded to, before end of job is reached. The operator must respond to delete unresponded messages.
- 0 – Continue. This option is normally associated with warning messages. The program can be executed but the results should be checked.

- 1 – Retry. An operation should be repeated, or a statement should be reentered after it has been corrected and/or verified.
- 2 – Controlled cancel. Control is returned to the program in storage which closes the files, performs other end-of-job functions, and cancels the program.
- 3 – Immediate cancel. Control is given to the system, which then initiates job cancellation.
- D – Immediate cancel with a dump of the associated partition only. This option can be selected in place of the 3 option for any halt associated with partition 1 or 2. Control is given to the system, which initiates a dump of the partition. When the dump is complete, the system then initiates job cancellation.

Note: A D response to a halt is logged as a 3 response in the system history area.

Text/Reason and Recovery

TEXT/REASON AND RECOVERY – This column gives the message text when applicable and/or the reason, and the recovery options that can be selected.

After performing any action indicated in the TEXT/REASON AND RECOVERY column, press program function key 12 on the keyboard, position the cursor to the message requiring a response (if it is not already positioned for the response), press the proper key for the selected option, then press the ENTER key. If the message requiring the response contains a blank (no option listed) in the OPTION/DEFAULT column, press program function key 12, position the cursor, then respond by pressing the ENTER key. (See *Responding to Messages* for more detail.)

All messages that display on the CRT require a response. The operator responds by first pressing program function key 12. This positions the cursor to the response position of the most recent message and prompts ENTER RESPONSE on the lower line of the CRT. The operator may now enter the response for this message, or if he desires, reposition the cursor to the response position of any other unresponded message. The procedure for entering the response varies for different types of messages. There are three types of messages associated with halt codes:

1. Messages with options listed for the halt code — most decision-type (D-type) messages, and
2. Messages without options listed for the halt code— all information-type (I-type) and the remainder of the decision-type messages.
3. Messages that can accept a multiple-character reply (R-type).

For messages with the options listed, the operator must first position the cursor to the message requiring a response (if the cursor is not already there), press a key on the keyboard corresponding to one of the available options, then press the ENTER key. It is possible to respond to more than one message at a time by first entering an option for each message requiring a response, then pressing the ENTER key after all options have been selected. To select a 1 option in response to a message supported by the unit record restart function, the operator need only ready the unit record device. The unit record restart function supports the 1403 printer, the 1442 reader/punch, the 2501 card reader, the 5424 MFCU, and the 2560 MFCM. Generally, the unit record restart function applies only to ERP (error recovery procedure) messages. The message description for each supported message indicates that the operator need not enter the 1 option response if the unit record restart function was selected during system generation.

For messages with no options listed, the operator must first position the cursor to the message requiring a response, then press the ENTER key. It is permissible to press any other key prior to pressing the ENTER key. This facility can be used to respond to more than one message of this type, with one depression of the ENTER key, in the same manner as described above for messages with options. It is also possible to respond to all unresponded messages of this type with two key depressions, by first pressing the ERASE

INPUT key, then the ENTER key. Pressing the ERASE INPUT key forces a blank into the reply position (first position) of the unresponded messages. Since any key is a valid response for a message without options, a blank is accepted as a correct response.

For messages which can accept a multiple-character reply, the maximum number of acceptable characters is indicated by the 3-digit number following the R in the first line of the message.

There are two conditions which will cause a rejection character to be displayed in the response position when an option is selected. The most common is the selection of a character that is not a valid response for a message with options listed. A question mark (?) is displayed as the rejection character for this error. The other condition can occur only if more than one message is displayed for a partition, and one of the messages has only a 3 option listed. A 3 must be selected as the response, even though you desire to respond to another message for the partition which has, for example, a 1 and a 3 option listed. A response other than 3 is rejected because the system has recognized an error condition that prevents further execution of the program in the affected partition. In this case a pound sign (#) is displayed in the response position as the rejection character.

A program does not wait for a response to an information-type (I-type) message, but the operator must respond to delete unresponded messages. If the programmer decides that it is not required for the operator to respond, as described for messages with no options listed, he can use the IDELETE command (see *IBM System/3 Model 15 System Control Programming Reference Manual*, GC21-5077). This causes the system to automatically delete information messages that have not been responded to after a limit has been reached.

There are times when the complete first line of a message may be intensified in the CRT display to alert the operator that a response is required for that halt as soon as possible. This occurs when the condition which caused the halt for one partition may affect the progress of the program in the other partition. For example, if both partitions are active and message IM F7 (MFCU not ready) is displayed for one partition, the first line of message IM F7 may be intensified since this condition may cause the program in the other partition to stop processing also.

It is recommended that the user does not turn the CRT intensity adjustment to its brightest level. Doing so would make it impossible to recognize the first characters of the halt code and the condition described in the last paragraph.

Some messages are written in the system history area only and do not require operator action. An example is message CR ST EP. This message is issued if an invalid stepname has been specified. The system will automatically log this message in the system history area, generate a stepname from the program name, and continue. These messages are included in this manual, as required, to describe messages that you may encounter only when reviewing the system history area.

Messages for which an automatic default option is selected are also written to the system history area without being displayed. An example is the normal end-of-job message. If the system is in NOHALT mode, the EJ message is issued and logged in the system history area, but is not displayed. This is true for any message that is issued and defaulted by the system as a result of an automatic default (by specifying a SEVERITY parameter in the NOHALT statement).

Messages for a partition or a task that have not received a response (normally information messages) by the time end of job is reached are automatically deleted from the CRT display at end of job. However, if 10 messages have been issued and not responded to before end of job is reached, the system will automatically halt with ENTER RESPONSE displayed on the lower line of the CRT. The operator may continue by entering a response to any of the unresponded messages. If there is more than one screen full, the operator may scroll through messages by repeatedly pressing PF-12.

The recovery procedure to be followed for the halt codes displayed in the message display unit on the 5415 system control panel is described in each message. In general, the conditions which cause a halt code to be displayed in the message display unit are hardware or programming errors which make it impossible to use the CRT for displaying information.

GENERAL RESULTS WHEN THE 2 OR 3 OPTION FOR A HALT IS SELECTED

For most halts where option 2 or 3 is selected, the job or job step is cancelled with no further action being taken. Exceptions are noted in the message list. The reason for the halt indicates the corrective action the programmer must take before the job or job step can be resubmitted. In some cases, it may be necessary to contact a service representative to correct the problem.

If a 2 or 3 option is taken to a halt during a \$MAINT run, the library or library entries involved in the function might be destroyed.

Considerations When Selecting the 2 Option

When the 2 option is selected to an OCL diagnostic issued before the LOAD statement is read, the 2 option is treated as a 0 option.

When the 2 option is selected to a system message and the partition is in job mode, all remaining steps in the job are also cancelled. On systems that have input spooling, job processing in the partition will resume with the next job on the input queue. On systems that do not support input spooling, the job stream will be read but not processed until a JOB or /. statement is read. If output spooling is supported on the system, spooled output created by the job will be saved.

When the 2 option is selected to a system message and the partition is in step mode, only the current job step will be cancelled. The job stream will be read but not processed until a JOB, LOAD, CALL, /., or /& statement is read.

When a halt occurs during the execution of a job step and the 2 option was selected, the disk files will reflect all activity up to the point when the halt occurred and the 2 option was selected. However, if the halt occurs during a \$MAINT run, the selection of the 2 option will not cause the library or library entries involved in the function to be retained.

Note: The 2 option cannot be taken when halts are issued during RPG II last record (LR) time.

Considerations When Selecting the 3 (or D) Option

When the 3 option is selected to a system message and the partition is in job mode, all remaining steps in the job are cancelled. On systems that have input spooling, job processing in the partition will resume with the next job on the input queue. On systems that do not support input spooling, the job stream will be read but not processed until a JOB or /. statement is read. If output spooling is supported on the system, spooled output created by the job will be saved.

When the 3 option is selected to a system message and the partition is in step mode, only the current job step will be cancelled. The job stream will be read but not processed until a JOB, LOAD, CALL, /., or /& statement is encountered.

The following halt codes are displayed in the message display unit (stick lights) on the 5415 console.

HALT

Reason and Recovery



Reason: A permanent disk error has occurred while displaying a spool queue and the system may not be able to continue functioning.

Recovery: Press START on the 5415 console to display as much of the spool queue as possible.

Note: See halt SP UT CH for exposures if spooling is allowed to continue.



Reason: This halt is issued by the CEFE dump program.

Recovery: See the *IBM System/3 System Data Areas and Diagnostic Aids Handbook* (SY21-0032) for further information.



Reason 1: An MFCM recovery was attempted without clearing the existing error condition.

Recovery: Follow the error recovery procedure for the original halt and then press START on the 5415 console to continue.

Reason 2: An MFCM error occurred while positioning cards during error recovery.

- Recovery:**
- Remove the cards from stackers 1 and 5 (stackers 1 and 4 if Model A2 MFCM).
 - Remove the cards from the primary and secondary hoppers.
 - Press NPRO.
 - Place the cards that were run out in front of their respective primary and secondary hopper decks.
 - Place the hopper decks in their respective hoppers.
 - Press START on the MFCM.
 - Press START on the 5415 console.
-

HALT



Reason and Recovery

Reason: A permanent disk error has occurred during one of the following:

- Reading or writing the system history area.
- A DISPLAY STATUS operation.

The system pack cannot be used.

Recovery: Mount a new system pack and perform IPL.



Reason: An unsuccessful attempt was made to load or reload the CRT microcode. This can occur during the IPL sequence or during an attempted CRT attachment check recovery.

Recovery: Perform the IPL operation again. If the error recurs, mount a new system pack and attempt the IPL operation again. If the error continues to occur, contact IBM for hardware support.



Reason: A program check has occurred in one of the following:

- A system task.
- The transient area.
- End-of-job processing.

Recovery: Obtain a main storage dump and contact IBM for programming support. Perform an IPL to continue.



Reason: The dump resulting from a DUMP SYSTEM command is complete.

Recovery: Press the START key on the 5415 console to continue.



Reason: This halt is issued by the CEFE dump program.

Recovery: See the *IBM System/3 System Data Areas and Diagnostic Aids Handbook* (SY21-0032) for further information.



Reason: An attempt has been made to write information to or read information from the CRT/keyboard but the CRT/keyboard is turned off or a hardware error has occurred on the CRT/keyboard or the 3284 printer.

Recovery: If the CRT was turned off, turn it on and wait until it warms up, then press START on the 5415 console. If the CRT was on, press START to retry. If the retry operation is not successful, contact IBM for hardware support.

HALT

A digital display showing the number 54 in a white, seven-segment font on a black background.

Reason and Recovery

Reason: There was no logical end record in the system history area when IPL was performed.

Recovery: Press START to set the logical end at the physical beginning of the system history area. All previous system history area entries will be lost.

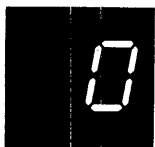
A digital display showing the number 50 in a white, seven-segment font on a black background.

Reason: This halt is issued by the CEFE dump program.

Recovery: See the *IBM System/3 System Data Areas and Diagnostic Aids Handbook* (SY21-0032) for further information.

A digital display showing the number 55 in a white, seven-segment font on a black background.

HALT



blank 0

Reason and Recovery

Reason: This halt occurred for one of the following reasons:

- An adapter check was detected during an attempt to run the CEFE dump program.
- The disk FILE WRITE switch is in the OFF position. This switch is on the CE panel (5415 A-models only).
- The data module on D1 is read only (5415 B-models only).
- An attempt is being made to perform an IPL from a pack that does not contain a system.

Recovery: If the halt occurred during a CEFE dump attempt, perform an IPL operation.

If the halt did not occur during a CEFE dump attempt, do the following for 5415 A-models:

- If the FILE WRITE switch is in the OFF position, set it to ON. Then perform an IPL operation.
- If the FILE WRITE switch is set to ON, perform an IPL operation. If the halt recurs, mount a different system pack and perform an IPL again. If the halt continues to occur, contact IBM for hardware support.

If the halt did not occur during a CEFE dump attempt, do the following for 5415 B-models:

- If the data module is read only, place the START/STOP switch on the D1 operator panel in the STOP position, disable the read-only function, and perform the IPL operation. For a description of how to enable and disable the read-only function, see the *IBM System/3 Model 15 Operator's Guide*, GC21-5075.
- If the data module is not read only, perform the IPL operation again. If the halt recurs, mount a different system pack and perform the IPL operation again. If the halt continues to occur, contact IBM for hardware support.

HALT



blank 1

Reason and Recovery

Reasons: This halt occurred for one of the following reasons:

- A permanent disk error occurred during a read operation. This could mean that there is a bad track in one of the libraries or directories.
- An attempt is being made to load a system program or transient and that program is not on the IPL pack.

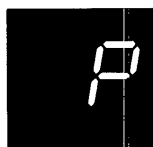
Recovery: Record the contents of the ARR and take a main storage dump. Display the ARR as follows:

1. Press console STOP.
2. Set the LSR display selector on the CE panel to ARR.
3. Set the register display unit to LSR HI LSR LO.
4. Record the contents.
5. Set the LSR display selector on the CE panel to NORMAL.

If it is not possible to read the ARR and take a main storage dump, press START to go to end of job. If end of job does not occur, perform an IPL operation.

If you recorded the contents of the ARR and obtained a main storage dump, save the information for IBM. This information will aid in determining the problem. If this halt continues to occur, contact IBM for hardware support.

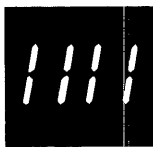
Note: For information about taking a main storage dump, see the *IBM System/3 Model 15 Operator's Guide*, GC21-5075.



blank P

Reason: A 1403 print error occurred during execution of the CEFÉ dump, SVAID printout, or a dump resulting from the execution of a DUMP SYSTEM command.

Recovery: Ready the printer and then press START on the 5415 console to continue.



Reason: The processing unit is idle. This is a normal indication that the processing unit is waiting for an interrupt, such as the completion of an I/O operation or the depression of a program function key.

The following is the complete list of messages displayed on the 3277 display station (CRT).

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
ID 0A xx		123	Message Text: 5444/5445 INTERVENTION REQUIRED Recovery 1: Make the device ready and retry. 2: Controlled cancel. 3: Immediate cancel.
		123	Message Text: 3340 WRONG DATA MODULE SIZE Recovery 1: Mount the correct data module and retry. 2: Controlled cancel. 3: Immediate cancel.
		123	Message Text: 3340 WRITE TO WRITE INHIBITED DRIVE Recovery 1: Mount the correct data module or remove the inhibit mechanism and retry. 2: Controlled cancel. 3: Immediate cancel.
		123	Message Text: 3340 INTERVENTION REQUIRED Recovery 1: Make the device ready and retry. 2: Controlled cancel. 3: Immediate cancel.

↑
Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
ID 0C xx ↑ Unit code of the affected device.		23	<p>Message Text: 3340/5444/5445 EQUIPMENT CHECK</p> <p>Reason: Disk drive hardware for the 3340, 5444, or 5445 has detected a condition that could cause transfer of invalid data if the operation is allowed to continue.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the 0C halt recurs immediately, contact IBM for hardware support.</p>
ID 0E xx ↑ Unit code of the affected device.			<p>Message Text: 3340/5444/5445 PERM ERROR DURING ERROR LOGGING</p> <p>Reason: A permanent disk error occurred while attempting to read or write the pack's error logging sectors, volume label, or SIO counters. The error can be caused by one of the following:</p> <ul style="list-style-type: none"> • The disk has not been initialized properly. • A permanent hardware error on the disk drive. • A permanent disk pack failure. <p>Recovery: The message is logged, and no response is required.</p> <p>Note: To determine whether the disk caused the failure, dump the disk to an intermediate device, run the disk initialization program, and restore the disk. If the error persists, contact IBM for hardware support.</p>
ID 0F xx ↑ Unit code of the affected device.		23	<p>Message Text: 3340/5444/5445 SEEK CHECK</p> <p>Reason: A disk operation began, but a permanent seek check occurred.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If you are using IBM-supplied programs, a program or hardware error has occurred. You can try running other jobs or rerunning the same job. If the same halt occurs, contact IBM for programming or hardware support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
ID 0H xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>		23	<p>Message Text: 5444 INVALID CYLINDER/SECTOR NUMBER, 5445 INVALID CYLINDER/HEAD NUMBER, or 3340 COMMAND REJECT</p> <p>Reason: A disk operation was called for but the 5444 cylinder/sector or the 5445 cylinder/head was invalid.</p> <p>If the 3340 is being used, the disk operation is invalid because of an invalid command, invalid command sequence, or an invalid seek argument.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If you are using IBM-supplied programs, a program trouble is indicated. You can try running other jobs or rerunning the same job. If the same halt occurs, contact IBM for programming support.</p> <p>If you are using CCP with shared files supported and if two writes are issued without an intervening read, this message always occurs. See the description of file sharing considerations in the <i>IBM System/3 Communications Control Program Programmer's Reference Manual</i>, GC21-7579.</p>
ID 0J xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>		23	<p>Message Text: 5444/5445 MISSING ADDR MARK or 3340 INVALID TRACK FORMAT</p> <p>Reason: A disk operation was called for but the address mark is missing. The disk may not be properly initialized.</p> <p>If the 3340 is being used, the track or record capacity was exceeded.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: It may be necessary to assign an alternate track to the track on which the problem occurred, or to reinitialize the pack. If the same halt continues to occur, contact IBM for hardware support.</p> <p>CAUTION If this halt occurs during a library maintenance run, the 2 option should be taken. The system will then proceed to halt 69.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
ID OL xx		23	<p>Message Text: 3340 DATA CHECK or 5444/5445 DATA CHECK ON READ</p> <p>Reason: A data error was detected in data received from the disk drive.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: It may be necessary to assign an alternate track to the track on which the problem occurred.</p> <p>CAUTION If this halt occurs during a library maintenance run, the 2 option should be taken. The system will then proceed to halt 69.</p>

Unit code of the affected device.

ID ON xx		23	<p>Message Text: 3340/5444/5445 NO RECORD FOUND or 3340 END OF PACK</p> <p>Reason: This halt is caused by an invalid record number or a hardware malfunction. 3340 END OF PACK is caused by trying to access past the last cylinder on a data module.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: It may be necessary to assign an alternate track to the track on which the problem occurred.</p> <p>If you are using IBM-supplied programs, a program trouble is indicated. You can try running other jobs or rerunning the same job. If the same halt occurs, contact IBM for programming support.</p> <p>CAUTION If this halt occurs during a library maintenance run, the 2 option should be taken. The system will then proceed to halt 69.</p>
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Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
ID 0P xx		23	<p>Message Text: 5444/5445 DATA CHECK ON WRITE</p> <p>Reason: A write data check has occurred on a disk drive. An attempt has been made to write, but valid data cannot be written at the specified location.</p> <p>Recovery 2: Controlled cancel. A permanent error is indicated to the current program.</p> <p>3: Immediate cancel.</p> <p>Note: It may be necessary to assign an alternate track to the track on which the problem occurred. The alternate track assignment program can be used for the track assignment.</p> <p>CAUTION If this halt occurs during a library maintenance run, the 2 option should be taken. The system will then proceed to halt 69.</p>

↑
Unit code of the affected device.

ID 0U xx		23	<p>Message Text: 3340/5444/5445 DATA OVERRUN 3340 COMMAND OVERRUN</p> <p>Reason: Disk hardware condition. A channel data overrun has occurred.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: It may be necessary to assign an alternate track to the track on which the problem occurred. If this problem persists, contact your IBM representative.</p> <p>CAUTION If this halt occurs during a library maintenance run, the 2 option should be taken. The system will then proceed to halt 69.</p>
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Unit code of the affected device.

IK 0Y NR		123	<p>Reason: The 3741 is offline.</p> <p>Recovery 1: Make the 3741 ready and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: This message may be caused by powering up or powering down the 3741 during a job run.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IK 0Y PE		123	<p>Reason: A parity error was detected during a data transfer operation to or from the 3741.</p> <p>Recovery 1: Retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If this error persists, select a 2 or 3 option and contact IBM for hardware support.</p>
IK 0Y RL		123	<p>Reason: The length of the record that the program is trying to read or write does not agree with the record length on the header label of the 3741 diskette.</p> <p>Recovery 1: Use one of the following to retry:</p> <ul style="list-style-type: none">● Mount the correct diskette and retry.● Update the record-length field in the header label, ready the 3741, and retry. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IK 0Y WM		123	<p>Reason: The program is trying to read from the 3741, but the 3741 is in write mode; or the program is trying to write to the 3741, but the 3741 is in read mode.</p> <p>Recovery 1: Place the 3741 in the correct mode and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: This message may be caused by powering up or powering down the 3741 during a job run.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
ID 0b xx		23	<p>Message Text: 5444/5445 DATA CHECK IN ID</p> <p>Reason: The sector ID field (5444), or record count field (5445) is unreadable and a data check has occurred on a disk drive.</p> <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: It may be necessary to assign an alternate track to the track on which the problem occurred.</p> <p>CAUTION If this halt occurs during a library maintenance run, the 2 option should be taken. The system will then proceed to halt 69.</p>
		23	<p>Message Text: 3340 ADAPTER CHECK</p> <p>Reason: A 3340 adapter check occurred.</p> <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: Perform the IPL process. If another adapter check occurs, call IBM for assistance.</p>
RP 10	2	<u>3</u>	<p>Message Text: NO INPUT FILES OPENED</p> <p>Reason: No input file allocated.</p> <p>Recovery 3: Immediate cancel. Check SWITCH statement and resubmit job.</p>
RP 11	4	<u>023</u>	<p>Message Text: SQUARE ROOT OF NEGATIVE NUMBER</p> <p>Probable user error.</p> <p>Recovery 0: Set result field to zero and continue.</p> <p style="padding-left: 40px;">2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>

↑
Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP 12	4	<u>023</u>	<p>Message Text: OVERFLOW DURING DIVIDE</p> <p>Reason: The result field cannot contain the result of the divide operation. Probable user error.</p> <p>Recovery 0: Continue. The result and remainder are set to zero.</p> <p style="padding-left: 40px;">2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
RP 13	4	<u>023</u>	<p>Message Text: DIVISION BY ZERO ATTEMPTED</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Result and remainder are set to zero.</p> <p style="padding-left: 40px;">2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
RP 14	4	<u>023</u>	<p>Message Text: INVALID ARRAY INDEX</p> <p>Reason: The variable index for an array is either zero, negative, or greater than the number of elements in the array. Probable user error.</p> <p>Recovery 0: Set index to one and continue.</p> <p style="padding-left: 40px;">2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
RP 15	4	<u>023</u>	<p>Message Text: TABLE OUT OF SEQUENCE</p> <p>Probable user error.</p> <p>Recovery 0: Continue with element out of sequence.</p> <p style="padding-left: 40px;">2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP 16	4	<u>023</u>	<p>Message Text: NO TABLE DATA FOUND</p> <p>Reason: Object tables were expected and an end of file (/ * statement) has been read.</p> <p>Probable user error.</p> <p>Recovery 0: Continue without loading missing tables.</p> <p style="padding-left: 40px;">2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
RP 17	4	<u>023</u>	<p>Message Text: TOO MUCH DATA FOR TABLE</p> <p>Reason: The object table exceeded the specified length.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Read to end of file. Ignore surplus entries.</p> <p style="padding-left: 40px;">2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
RP 18	2	<u>3</u>	<p>Message Text: TERMINAL ERRORS IN RPG SOURCE</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
RP 19	2	<u>03</u>	<p>Message Text: WARNING ERRORS IN RPG SOURCE</p> <p>Reason: If column 10 of the RPG II header is nonblank, the halt will occur immediately after the diagnostics if there were any warning errors. If column 10 is blank, this halt is bypassed.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The RPG II compiler will assign default values as indicated in the error message text.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP 1A	2	<u>3</u>	<p>Message Text: OBJECT PROGRAM EXCEEDS 64K</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. Check file description sheets to determine if any I/O areas can be reduced by:</p> <ol style="list-style-type: none"> 1. Reducing the blocking factor. 2. Removing dual I/O specifications.
RP 1C	4	<u>23</u>	<p>Message Text: INVALID CALL TO RPG HALT ROUTINE</p> <p>Reason: An unidentifiable halt request has been issued. One of the following may have occurred:</p> <ul style="list-style-type: none"> ● System program error. ● Programming error in a basic assembler program. <p>If the cause of the halt (if system program error) cannot be determined, obtain a main storage dump and contact IBM for programming support.</p> <p>Recovery 2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p>3: Immediate cancel.</p>
RP 1E	4	<u>023</u>	<p>Message Text: END-OF-FILE ON DEMAND FILE</p> <p>Recovery 0: Continue without reading from this file.</p> <ol style="list-style-type: none"> 2: Controlled cancel. Store tables and execute LR calculations and LR output if available. 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP 1F	4	<u>23</u>	<p>Message Text: ATTEMPTING TO ACCESS BEYOND EXTENT</p> <p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● Allocated disk space for the file is too small to contain additions to the file. Reallocate space for this file. If the halt occurred during an RPG II compilation, either \$WORK or \$SOURCE must be larger. ● Attempting to add or retrieve a key higher than the highest key physically on an indexed multi-volume file using sequential add. HIKEY is probably missing from volume. HIKEY can be loaded using random add. ● End of file has been reached on a multi-volume indexed file using sequential add. <p>Probable user error.</p> <p>Recovery 2: Controlled cancel. Store tables and execute LR calculations and LR output if available. This option should not be taken if the halt occurs during an RPG II compilation.</p> <p>3: Immediate cancel.</p>
RP 1H	4	<u>023</u>	<p>Message Text: ATTEMPT TO ADD DUPLICATE KEY</p> <p>Reason: Duplicate keys found during a load or add to an indexed ordered file. Packed keys may have been specified without packing the output key field.</p> <p>Probable user error.</p> <p>Recovery 0: Continue without adding this record.</p> <p>2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP 1J	4	<u>023</u>	<p>Message Text: KEY TO BE ADDED OUT OF SEQUENCE</p> <p>Reason: A key out of sequence was found during a load or add to an indexed ordered file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue without adding this record.</p> <p>2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p>3: Immediate cancel.</p>
RP 1L	4	<u>023</u>	<p>Message Text: INVALID RECORD UPDATE OPERATION</p> <p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● Key of updated record to be written does not match key of retrieved record. ● No record has been retrieved. ● An attempt is made to update a record that has not been retrieved. ● A record has been retrieved, an intervening record has been processed (example: using exception output to the same file), then an attempt is made to update the retrieved record. <p>Probable user error.</p> <p>Recovery 0: Continue without updating record.</p> <p>2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP 1P		01	<p>Message Text: ALIGN FORMS ON PRINTER</p> <p>Recovery 0: Continue with program.</p> <p>1: Retry. Align forms as follows:</p> <ol style="list-style-type: none">1. Press printer STOP.2. Press CARRIAGE SPACE until you can see printed line.3. If printed line is in proper location, press CARRIAGE RESTORE and go to step 14; otherwise, continue.4. Press CARRIAGE RESTORE.5. Open printer top cover.6. Disengage carriage clutch.7. Position forms by using the adjusting knobs.8. Engage carriage clutch.9. Close printer cover.10. Press printer START.11. Select recovery 1 if the unit record restart function was not selected during system generation.12. The same line is printed on the next form.13. Return to step 1.14. Press printer START.15. Select recovery 0.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP 1U	4	<u>123</u>	Message Text: RECORD NOT FOUND

Reasons:

1. No record found for direct or indexed random files, or for a file processed by ADDRROUT.

If indexed:

- a. Key too high.
- b. Key too low or negative.
- c. Key is within extent but the record cannot be found.

If direct:

- a. Relative record number is negative or zero.
- b. Relative record number exceeds the number of records allowed in the file.

If ADDRROUT:

The ADDRROUT file created by the sort may not have been created from the current version of the file now being processed by ADDRROUT.

2. Trying to update a record that was not found.

Probable user error.

Recovery 1: Retry. Bypass to the beginning of the RPG II cycle and read again from this file. For chain files, the program logic may not be set up to read from the same file.

2: Controlled cancel. Store tables and execute LR calculations and LR output if available.

3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP 1Y		023	<p>Message Text: INVALID RESPONSE TO DSPLY</p> <p>Reason: An error occurred for one of the following reasons when modifying data via the DSPLY operand:</p> <ul style="list-style-type: none"> ● If only one character of the numeric field was entered, the character was not a digit from 0 through 9. ● If more than one character but not all of the characters of the numeric field were modified, the last character entered was not a blank, - (minus sign), or digit from 0 through 9. ● If the entire numeric field was modified, the last character entered was not a blank or - (minus sign). ● The response entered was longer than the data field. <p>Recovery 0: Respond to the halt and then reenter the modification.</p> <p style="padding-left: 40px;">2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
RP 1b		03	<p>Message Text: PREPARE TO PUNCH TABLE OUTPUT</p> <p>Reason: The object program is ready to punch tables.</p> <p>Recovery 0: If the punch is being spooled, continue; if not, clear the punch via NPRO, place blank cards in the hopper, and continue.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
SD 20	2	<u>13</u>	<p>Reason: The first statement read was not a header or SOURCE statement for disk sort.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="padding-left: 40px;">3: Immediate cancel. The first statement read by disk sort must be a header statement, containing an H in column 6, or a SOURCE statement of the form // SOURCE NAME, UNIT. Check to see that the statement is correct and re-submit the job.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SD 21 ST 21	2	<u>13</u>	<p>Reason: The source module name on the SOURCE statement cannot be found on the specified pack.</p> <p>Probable user error.</p> <p>Recovery 1: Select this option if the SOURCE statement is incorrect and a correct SOURCE statement can be obtained. Enter the correct SOURCE statement.</p> <p>3: Immediate cancel.</p>
SD 22	2	<u>02</u>	<p>Reason: A number of warning errors were found during the generation phase for disk sort. The operator must decide whether to continue or cancel the job.</p> <p>Probable user error.</p> <p>Recovery 0: Continue job. The warning messages have been logged if the print option in the header statement is 0.</p> <p>If the warnings were expected and tolerable, select this option.</p> <p>It is best to eliminate all error conditions. If not, warning messages should be printed by setting the print option on header statement to 0. The operator should know what messages to expect or, at least, the total number of errors to expect.</p> <p>2: Controlled cancel.</p>
SD 23		3	<p>Reason: A permanent I/O error occurred while reading sequence specification statements for disk sort.</p> <p>Recovery 3: Immediate cancel. Resubmit job.</p>
SD 25	4	<u>3</u>	<p>Reason: Severe or terminal errors were found during the generation phase of disk sort.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. Correct errors and resubmit job.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SD 26	4	<u>0</u> 1	<p>Message Text: INPUTx SHOULD BE MADE READY</p> <p>Reason: The nonlabeled tape or card file with the name INPUTx (where x is a 0, 1, 2, 3, 4, 5, 6, 7, or 8) is the next file to be read as input.</p> <p>Recovery 0: The file is ready or has been made ready.</p> <p>1: Skip this file and go to the next file.</p>
SD 27		0	<p>Reason: Disk sort is in debug mode. It has either completed an internal generation phase or has completed a pass.</p> <p>Recovery 0: Continue with the sort.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SD 28		3	<p>Reason: A permanent I/O error has occurred while reading records from a disk sort input file.</p> <p>Recovery 3: Immediate cancel. Resubmit job.</p>
SD 29		3	<p>Reason: A permanent I/O error has occurred while reading or writing records on the disk sort work file.</p> <p>Recovery 3: Immediate cancel. To rerun, change the track location of the work file or run the alternate track assignment program.</p>
SD 2A		23	<p>Reason: A permanent I/O error has occurred while writing sorted records on the disk sort output file.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Sort cannot continue. To rerun for disk output, change the track location of the output file or run the alternate track assignment program. To rerun for tape output, use a different tape reel.</p>
SD 2C	2	<u>03</u>	<p>Reason: Either no input records were found or none of the input records specified in message SD602 met the INCLUDE requirements of the disk sort sequence specifications.</p> <p>Probable user error.</p> <p>Recovery 0: Continue with the sort and create an output file that contains no records.</p> <p>3: Immediate cancel. Dump the input file. Compare the disk sort sequence specifications with the records actually in the input file.</p>
SD 2E	2	<u>3</u>	<p>Reason: The work file for disk sort is too small. The space assigned to the work file by the FILE NAME-WORK statement or by automatic work file allocation is too small to contain all the work records to be sorted.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. Allocate more tracks for the work file and rerun the program. If automatic work file allocation is being used, you can make more work area available by deleting unnecessary files or by mounting a pack having adequate work area available.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SD 2F	4	<u>23</u>	<p>Reason: The space assigned to the disk sort output file by the FILE NAME-OUTPUT statement is too small to contain the sorted output. For tape output, a larger tape reel or more than one reel must be used.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel. If the 2F halt has occurred before the intermediate disk sort passes, another 2F halt may occur during later passes. The 2 option allows the sort to continue until all of the output file space is used.</p> <p>3: Immediate cancel.</p> <p>Note: The number of input records included to be sorted was logged with message SD603. For disk output, use this number and recompute the disk space required for your output file. Rerun the job.</p>
SD 2H		3	<p>Reason: A disk sort program error has been encountered.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: If possible, take a main storage dump rather than selecting option 3. Save the dump and contact IBM for programming support.</p>
DT 2L x1	2	<u>3</u>	<p>Message Text: "Filename" – INVALID OPERATION CODE</p> <p>Reason: An attempt is being made to get a tape record, but the DTF does not contain a GET operation code.</p> <p>Recovery 3: Immediate cancel.</p>
DT 2L x2	4	<u>23</u>	<p>Message Text: "Filename" – RECORD LENGTH TOO LONG</p> <p>Reason: A variable-length tape record has been read that is longer than the program can process. Either the file contains records that are longer than expected, or the program specifies the maximum record length incorrectly.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
DT 2L x3	2	<u>3</u>	<p>Message Text: "Filename" – INVALID OPERATION CODE</p> <p>Reason: An attempt is being made to put a tape record, but the DTF does not contain a PUT operation code.</p> <p>Recovery 3: Immediate cancel.</p>

Number of the affected tape unit.

Number of the affected tape unit.

Number of the affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DT 2L x4 ↑ Number of the affected tape unit.	2	<u>3</u>	<p>Message Text: "Filename" – RECORD LENGTH TOO LONG</p> <p>Reason: An attempt is being made to put a variable length tape record that is longer than the maximum length specified.</p> <p>Recovery 3: Immediate cancel.</p>
DT 2L x5 ↑ Number of the affected tape unit.	2	<u>3</u>	<p>Message Text: "Filename" – PERMANENT WRITE ERROR</p> <p>Reason: A permanent write error has occurred while attempting to close the tape file.</p> <p>This halt can occur after the 2 option has been selected for the 2P halt. The data on the tape is probably correct. However, a 2L x6 halt can be expected when the tape is read.</p> <p>Recovery 3: Immediate cancel.</p>
DT 2L x6 ↑ Number of the affected tape unit.		0123	<p>Message Text: "Filename" – PERMANENT READ ERROR</p> <p>Reason: A permanent read error has occurred while attempting to read a tape's trailer label or the trailer labels do not exist for this file.</p> <p>This halt can occur after the 0 or 2 option has been selected for the 2P halt.</p> <p>Recovery 0: Ignore the error and assume that the label is end of volume.</p> <p>1: Ignore the error and assume that the label is end of file.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
DT 2L x7 ↑ Not significant.	2	<u>3</u>	<p>Message Text: "Filename" – NO FILE STATEMENT</p> <p>Reason: An attempt is being made to open or close a tape file, but no FILE statement with the file name can be found in the OCL.</p> <p>Recovery 3: Immediate cancel.</p>
DT 2L x8 ↑ Not significant.	2	<u>3</u>	<p>Message Text: "Filename" – FILE NOT ALLOCATED</p> <p>Reason: An attempt is being made to open a tape file, but allocate has not been called for the file.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DT 2L x9 ↑ Number of the affected tape unit.	2	<u>3</u>	<p>Message Text: "Filename" – INSUFFICIENT BUFFER</p> <p>Reason: Insufficient storage has been specified for tape buffers in the DTF.</p> <p>Recovery 3: Immediate cancel.</p>
DT 2L xA ↑ Number of the affected tape unit.	2	<u>3</u>	<p>Message Text: "Filename" – INVALID OPERATION CODE</p> <p>Reason: A basic access method operation has been attempted, but there is no valid basic access method operation code in the DTF.</p> <p>Recovery 3: Immediate cancel.</p>
DT 2L xB ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename" – FILE IS WRITE PROTECTED</p> <p>Reason: The tape unit is file protected and the tape is not at the load point.</p> <p>A 2L x5 halt might appear after this halt.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
DT 2L xC ↑ Number of the affected tape unit.		03	<p>Message Text: "Filename" – INVALID BLOCK COUNT</p> <p>Reason: The block count in the tape's trailer label does not equal the number of blocks read.</p> <p>This halt can occur after a 0 or 2 option has been selected for the 2P halt, or after a 0 option has been selected for the 2L xF halt.</p> <p>Recovery 0: Continue. The error is ignored.</p> <p>3: Immediate cancel.</p> <p>Note: This message may occur if a tape was created by FORTRAN and/or BTAM and is being processed by consecutive data management (such as \$COPY). A 0 option should be taken for this condition.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DT 2L xD <div style="margin-left: 20px;">↑ Number of the affected tape unit.</div>	2	<u>3</u>	<p>Message Text: "Filename" – NO DEFERRED MOUNT ALLOWED</p> <p>Reason: The DEFER-YES keyword parameter is invalid on a FILE statement when the basic access method is used or when a FORTRAN tape file is specified.</p> <p>Recovery 3: Immediate cancel.</p>
DT 2L xE <div style="margin-left: 20px;">↑ Number of the affected tape unit.</div>			<p>Message Text: "Filename" – END OF VOLUME</p> <p>Reason: The tape file on the specified unit has reached end of volume.</p> <p>Recovery: Continue.</p>
DT 2L xF <div style="margin-left: 20px;">↑ Number of the affected tape unit.</div>		023	<p>Message Text: "Filename" – INCORRECT BLOCK LENGTH</p> <p>Reason: An incorrect length block of information has been read from the tape.</p> <p>Recovery 0: Skip the incorrect block and continue. The 2L xC halt may occur if this option is chosen.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IT 2P x1 ↑ Number of the affected tape unit.		023	<p>Reason: A permanent data check error has occurred on a tape read.</p> <p>Recovery 0: Ignore this error and read the next block.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>If the 0 or 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program, preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>
IT 2P x2 ↑ Number of the affected tape unit.	8	<u>23</u>	<p>Reason: A permanent data check error has occurred on a tape write operation.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>If the 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>
IT 2P x3 ↑ Number of the affected tape unit.		23	<p>Reason: PE mode has been specified, and data could not be written at the load point of the tape. The tape should be wound slightly forward to move the load point marker.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>If the 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program, preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IT 2P x4 ↑ Number of the affected tape unit.		023	<p>Reason: A write data check has occurred because the tape has not been completely erased during error recovery. If you proceed with the program using this tape, it may not be possible to read the tape because of the noise. It is recommended that you restart the program. If the condition persists use a different tape. If this does not correct the problem, a hardware error may have occurred.</p> <p>Recovery 0: Ignore the condition and continue.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>If the 0 or 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program, preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>
IT 2P x5 ↑ Number of the affected tape unit.		023	<p>Reason: A permanent tape noise error has occurred.</p> <p>Recovery 0: Ignore this error and read the next record.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>If the 0 or 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program, preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IT 2P x6 <div style="margin-left: 20px;">↑ Number of the affected tape unit.</div>		23	<p>Reason: A tape equipment check has occurred.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>If the 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program, preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>
IT 2P x7 <div style="margin-left: 20px;">↑ Number of the affected tape unit.</div>		23	<p>Reason: A tape adapter error has occurred.</p> <p>Recovery 2: Controlled cancel.) After end of job, you must reset 3: Immediate cancel.) this error before trying to run another tape job. To reset error, press CHECK RESET. If I/O CHECK light is on, perform IPL procedures to reset error.</p> <p>If the 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program, preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IT 2P x8		23	<p>Reason: The tape hardware error or tape position cannot be determined.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: It is recommended that the 3 option be taken for this halt. If the 2 option is taken, unpredictable results may occur when the tape is used for other jobs.</p> <p>If the 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program, preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>

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Number of the
affected tape unit.

IT 2P x9		23	<p>Reason: The I/O request to the tape drive was not accepted for one of the following reasons:</p> <ul style="list-style-type: none"> • An attempt has been made to read an 800-BPI tape on a 1600-BPI tape drive or on a subsystem with a 1600-BPI control unit. This is a user error. • A hardware or system program error has occurred. • An attempt has been made to read a new tape that has not been initialized. <p>If the halt has occurred for the second reason, retry the job. If the condition persists, contact your local IBM representative for programming support.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>If the 2 option is selected, the 2P halt may recur, or the 2L halt may occur. This halt may indicate a hardware problem. Try rerunning this program with a different tape, or run another program, preferably with a different tape. Contact IBM for hardware support if this halt recurs.</p> <p>If this halt occurs while running the tape initialization program and a 2 option is selected, the next control statement is processed. Controlled cancel will not occur under these circumstances, unless no additional control statements are present.</p>
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Number of the
affected tape unit.




MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IT 2U xA		123	<p>Message Text: Tx IS NOT READY</p> <p>Reason: The tape unit is not ready.</p> <p>Recovery 1: Make the drive ready and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IT 2U xP		123	<p>Message Text: Tx IS FILE PROTECTED</p> <p>Reason: The tape unit is file protected.</p> <p>If the 2 option is selected, the 2U halt may recur, or the 2L halt may occur.</p> <p>Recovery 1: Install the ring and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IT 2U 50		123	<p>Message Text: SWITCH IS DISABLED</p> <p>Reason: The ENABLE/DISABLE switch is set to DISABLE for tape.</p> <p>Recovery 1: Set the switch to ENABLE and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
ST 2-	2	<u>03</u>	<p>Reason: The first statement read was not a tape sort header statement.</p> <p>Recovery 0: Continue. The next statement is read.</p> <p>3: Immediate cancel.</p>

Number of the affected tape unit.

Number of the affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 30 AF UP 30 AF	2	<u>3</u>	<p>Reason: Permanent files, temporary files, or libraries exist on the output disk.</p> <p>Recovery 3: Immediate cancel. Delete unnecessary files or mount a pack that does not contain files or libraries.</p>
UC 30 BD	2	<u>3</u>	<p>Reason: Disk is not initialized. The volume label cannot be read. The pack must be initialized.</p> <p>Recovery 3: Immediate cancel.</p>
UC 30 FA		13	<p>Reason: Permanent files, temporary files, or libraries exist on the output disk.</p> <p>Recovery 1: Mount the correct pack and retry.</p> <p>3: Immediate cancel.</p>
UC 30 NS	2	<u>3</u>	<p>Reason: No space on the 5445 pack.</p> <p>Recovery 3: Immediate cancel.</p>
UC 30 SP	2	<u>3</u>	<p>Reason: The minimum requirement of 20 consecutive tracks is not available on F1 for copying an entire disk. If a work file on a 5445 is being used, the number of tracks needed for the work file is:</p> <ul style="list-style-type: none"> ● 240 if a half-capacity disk is being copied. ● 480 if a full-capacity disk is being copied. <p>Recovery 3: Immediate cancel. Delete unnecessary files on F1.</p>
UI 31 AF		03	<p>Reason: Permanent files, temporary files, or libraries exist on the disk to be initialized.</p> <p>Probable user error.</p> <p>Recovery 0: Proceed to next unit to be initialized.</p> <p>3: Immediate cancel.</p> <p>Note: Run the file and volume label display program. Determine if the files and libraries can be deleted.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 31 BA		03	<p>Reason: The program was unable to complete disk initialization for one of the following reasons:</p> <ul style="list-style-type: none">• The program could not determine if the disk was previously initialized on a System/3.• The program could not write the suspected defective track list. <p>Recovery 0: Proceed to the next unit to be initialized.</p> <p>3: Immediate cancel.</p> <p>Note: After preserving any required data on the disk, use the TYPE-FORCE parameter when rerunning the job.</p>
UI 31 BD		03	<p>Reason: Either the OLDPACK or TYPE-RENAME keyword was used for a data module which is a TO pack from an interrupted Copypack run.</p> <p>Recovery 0: Proceed to the next unit to be initialized.</p> <p>3: Immediate cancel.</p> <p>Note: This data module must be used as a TO pack in a Copypack run or be reinitialized without specifying TYPE-RENAME or the OLDPACK keyword.</p>
UI 31 BL		03	<p>Reason: The program was unable to read the volume label while either processing the OLDPACK parameter or attempting to RENAME the pack.</p> <p>Recovery 0: Proceed to the next unit to be initialized.</p> <p>3: Immediate cancel.</p> <p>Note: Rerun the job without specifying the OLDPACK or TYPE-RENAME keywords.</p>
UI 31 IC		03	<p>Reason: The program was unable to initialize a data module for one of the following reasons:</p> <ul style="list-style-type: none">• TYPE-FORCE was specified for D1.• TYPE-FORCE was specified for D2 with SIMULATION on.• D2 is not a System/3 pack and SIMULATION is on. <p>Recovery 0: Proceed to the next unit to be initialized.</p> <p>3: Immediate cancel.</p> <p>Note: Rerun the initialization without specifying TYPE-FORCE or with SIMULATION off, as appropriate.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 31 NP		03	<p>Reason: TYPE-CYLO, TYPE-RENAME, or the OLDPACK keyword was used for a pack that was not previously initialized on a System/3.</p> <p>Recovery 0: Proceed to the next unit to be initialized.</p> <p>3: Immediate cancel.</p> <p>Note: Rerun the job without specifying the OLDPACK, TYPE-CYLO, or TYPE-RENAME keywords.</p>
UI 31 RD		013	<p>Message Text: WRITE INHIBIT ON FOR DRIVE Dx</p> <p>Reason: The data module has the read-only function enabled (x is the number of the affected data module).</p> <p>Recovery 0: Proceed to the next unit to be initialized.</p> <p>1: Disable the read-only function and retry. For a description of how to enable and disable the read-only function, see the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075.</p> <p>3: Immediate cancel.</p>
UI 31 SD		03	<p>Reason: Suspected defective tracks exist on unit D1. The program cannot process these defective tracks because of the presence of the simulation areas, F1 and R1.</p> <p>Recovery 0: Proceed to the next unit to be initialized.</p> <p>3: Immediate cancel.</p> <p>Note: Initialization on D1 has been completed. It is suggested that \$ALT be run on this data module on a drive other than D1.</p>
UI 31 WP UI 31 WP	4 4	013 03	<p>Message Text: REO. - "pack name", MOUNTED - "pack name", "unit"</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  <p>Requested pack.</p> </div> <div style="text-align: center;">  <p>Mounted pack.</p> </div> <div style="text-align: center;">  <p>Affected disk unit.</p> </div> </div> <p>Reason: The pack name does not match the OLDPACK parameter.</p> <p>Recovery 0: Proceed to the next unit to be initialized.</p> <p>1: Mount the correct pack and retry.</p> <p>3: Immediate cancel.</p> <p>Note: The 1 option is available only if the pack may be removed.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 32 BD	2	<u>3</u>	<p>Reason: The FROM pack is a TO pack from an interrupted Copypack run. This pack must be used as a TO pack or be reinitialized.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 32 DS	2	<u>3</u>	<p>Reason: The FROM and TO disks for copy/dump are initialized to different capacities, the FROM and/or TO disk is not initialized, or a full-capacity pack is on a half-capacity drive.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UP 32 DS	2	<u>3</u>	<p>Reason: Invalid disk request. An attempt has been made to restore a tape containing the contents of a 5444 full-capacity disk (200 cylinders), on a 5444 half-capacity disk (100 cylinders).</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 32 DZ		13	<p>Reason: The disk capacities of input and output packs do not match.</p> <p>Recovery 1: Mount the correct output pack and retry.</p> <p>3: Immediate cancel.</p>
UI 33 BP		3	<p>Reason: A disk error occurred during an attempt to read the microcode from D1 (cylinder 0, track 0, 1, or 2) during disk initialization.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: Try to run the job using a different data module on D1.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 33 PU		03	<p>Reason: The pack cannot be initialized for one of the following reasons:</p> <ul style="list-style-type: none"> ● Cylinder zero is defective. ● No available alternate tracks. ● Possible disk hardware error during initialization. ● An attempt has been made to initialize the pack 10 times without success for a 5444 or 5445. <p>Recovery 0: Proceed to next unit to be initialized on UIN statement.</p> <p>3: Immediate cancel.</p>
UA 34 UC 34	2	<u>13</u> <u>13</u>	<p>Reason: Control statement error. There is an invalid statement identifier for this program, or columns 1, 2, and 3 are not // blank, or a control statement is missing.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF34	2	<u>13</u>	<p>Reason: Control statement error – invalid statement identifier for this program, or columns 1, 2, 3 not // blank, or control statement missing. Last statement read is invalid for this program or a statement is missing. If running file delete and a 3 option is taken, any files that have been specified on previous control statements for this job will have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 34 UP 34 UR 34 US 34	2	<u>13</u> <u>13</u> <u>13</u> <u>13</u>	<p>Reason: Control statement error – invalid statement identifier for this program, or columns 1, 2, 3 not // blank, or control statement missing.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 35 CE	2	<u>03</u>	<p>Reason: Too many control statements for copy/dump.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 CX	2	<u>03</u>	<p>Reason: Continuation is indicated on the COPYFILE/COPYPACK statement but a continuation is not valid.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 DK	2	<u>03</u>	<p>Reason: Error in COPYFILE/COPYPACK statement. Duplicate keywords.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 DL	2	<u>03</u>	<p>Reason: DELETE or OMIT keyword error, or the parameter is missing or invalid in the COPYFILE statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 FE	2	<u>03</u>	<p>Reason: Error in COPYFILE statement. Parameter for FILE keyword is invalid. It must be YES or NO.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 35 FS	2	<u>03</u>	<p>Reason: A FROM or TO keyword error, or both keywords are missing in the SELECT statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p> <p>Note: If a corrected SELECT statement is not found and an END statement is read, the entire file will be printed.</p>
UC 35 FT	2	<u>03</u>	<p>Reason: Error in the COPYPACK statement. FROM/TO keyword error or the parameter is missing or invalid. Keyword parameter must be R1, R2, F1, F2, D1, D2, D3, or D4.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 IC	2	<u>03</u>	<p>Reason: The combination of functions requested in the COPYFILE statement is invalid.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 IK	2	<u>03</u>	<p>Reason: Error in COPYFILE/COPYPACK statement. Invalid keyword or keyword found that is not supported for this control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 IR	2	<u>03</u>	<p>Reason: Error in the SELECT statement. The statement was not SELECT RECORD, SELECT KEY, or SELECT PKY.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p> <p>Note: If a corrected SELECT statement is not found and an END statement is read, the entire file will be printed.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 35 IV	2	<u>03</u>	<p>Reason: Error in the COPYPACK statement. An intermediate COPYPACK statement is not valid with 3340 data modules.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 LC	2	<u>03</u>	<p>Reason: Error in the KEY statement. The LOCATION keyword is missing or invalid, or LOCATION is greater than 65,535.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 LN	2	<u>03</u>	<p>Reason: Error in the KEY statement. LENGTH keyword on the KEY statement is missing or invalid. Length must not be greater than 29.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 NP	2	<u>03</u>	<p>Reason: No keywords or parameters in the COPYFILE/COPYPACK statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 NV	2	<u>03</u>	<p>Reason: Error in COPYFILE or SELECT statement. The possible errors are:</p> <ul style="list-style-type: none"> ● SELECT statement is not valid because neither select FILE-YES or printer output was specified. ● REORG-YES specified but no file output. ● Select FILE-YES but no file output. <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p> <p>Note: If a corrected SELECT statement is not found and an END statement is read, the entire file will be printed.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 35 OT	2	<u>03</u>	<p>Reason: Error in COPYFILE statement. OUTPUT keyword missing, or parameter missing from OUTPUT keyword.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 R1	2	<u>03</u>	<p>Reason: Error in the COPYPACK statement. COPYPACK and FROM keyword parameter was the same as the TO keyword parameter, and was not R1.</p> <p>Probable user error</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 RE	2	<u>03</u>	<p>Reason: Error in COPYFILE statement. Parameter for REORG keyword is missing or invalid. Must be YES or NO.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
UC 35 SE	2	<u>03</u>	<p>Reason: Format or punctuation error in the copy/dump control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p> <p>Note: If a corrected SELECT statement is not found and an END statement is read, the entire file will be printed.</p>
UC 35 US	2	<u>03</u>	<p>Reason: Error in the COPYPACK statement. The system does not have the requested disk unit online.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 36 CE		03	<p>Reason: An attempt has been made to initialize F1, and the CE track is defective.</p> <p>Recovery 0: Initialize the rest of the pack. The CE track remains defective. Tape volume error statistics cannot be logged on F1.</p> <p>3: Immediate cancel.</p>
UC 37 FP		03	<p>Reason: Pack change required. Mount the input pack on R1 for copypack function of copy/dump.</p> <p>Recovery 0: Mount the correct pack and continue.</p> <p>3: Immediate cancel.</p> <p>Note: If the copypack job is cancelled before completion, the TO pack can only be initialized or used again as a TO pack.</p>
UC 37 TP		03	<p>Reason: Pack change required. Mount the output pack on R1 for copy-pack function of copy/dump.</p> <p>Recovery 0: Mount the correct pack and continue.</p> <p>3: Immediate cancel.</p> <p>Note: If the copypack job is cancelled before completion, the TO pack can only be initialized or used again as a TO pack.</p>
UA 38 xx 4 13 UA 38 xx 4 3 UR 38 xx 4 13 UR 38 xx 4 3			<p>Message Text: REQ-"pack name", MOUNTED-"pack name", "unit"</p> <p style="text-align: center;"> ↑ Requested pack ↑ Mounted pack ↑ Affected disk unit </p> <p>Reason: The serial number of the mounted pack does not match the serial number specified on the control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Mount the correct pack and retry.</p> <p>3: Immediate cancel.</p> <p>Note: The 1 option is available only if the pack may be removed.</p>

↑
Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 38 IP	4	<u>13</u>	Message Text: REQ.-"pack name", MOUNTED-"pack name", "unit" <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> ↑ Requested pack. </div> <div style="text-align: center;"> ↑ Mounted pack. </div> <div style="text-align: center;"> ↑ Affected disk unit. </div> </div>
UC 38 IP	4	<u>3</u>	

Reason: The pack mounted does not match the serial number specified for the PACKIN keyword in the COPYPACK statement.

Recovery 1: Mount the correct pack and retry.

3: Immediate cancel.

Note: The 1 option is available only if the pack may be removed.

UC 38 OP	4	<u>13</u>	Message Text: REQ.-"pack name", MOUNTED-"pack name", "unit" <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> ↑ Requested pack. </div> <div style="text-align: center;"> ↑ Mounted pack. </div> <div style="text-align: center;"> ↑ Affected disk unit. </div> </div>
UC 38 OP	4	<u>3</u>	

Reason: The pack mounted does not match the serial number specified for the PACKO keyword in the COPYPACK statement.

Recovery 1: Mount the correct pack and retry.

3: Immediate cancel.

Note: The 1 option is available only if the pack may be removed.

UP 38 DS	2	<u>3</u>	Reason: The tape mounted was not created using SYSTEM-YES; therefore, the tape cannot be restored to disk using SYSTEM-YES.
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Recovery 3: Immediate cancel.

UP 38 SD	2	<u>3</u>	Reason: An attempt is being made to restore a tape which was created by \$DCOPY, but SYSTEM-YES was not specified for the restore attempt.
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Recovery 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 38 WP		13	<p>Reason: The pack mounted does not match the serial number of the pack initially used during an R1 to R1 COPYPACK run.</p> <p>Recovery 1: Mount the correct pack and retry.</p> <p>3: Immediate cancel.</p>
UP 38 WT	2	<u>3</u>	<p>Reason: The tape mounted was not created by \$DCOPY.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3A DE	4	<u>3</u>	<p>Reason: A permanent disk I/O error occurred during a \$COPY run.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3A DP	4	<u>3</u>	<p>Reason: The input file contains duplicate keys, or the keys are out of sequence.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3A HK	4	<u>3</u>	<p>Reason: The high key specified in the output FILE statement does not equal the high key of the input volume.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3A XE	4	<u>3</u>	<p>Reason: File being copied is larger than the area allocated to hold the copy. An attempt may have been made to copy a single-volume file to a multi-volume file. If the file being copied is too big, increase the file size in the COPYO statement and rerun the job.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3C CS	2	<u>3</u>	<p>Reason: Functions requested on COPYFILE statement require more main storage than is available.</p> <p>Recovery 3: Immediate cancel. To reduce storage required, consider the following:</p> <ol style="list-style-type: none"> 1. If you have OUTPUT-BOTH, change it to OUTPUT-DISK. 2. If you have REORG-YES, change it to REORG-NO. 3. If you have DELETE, change it to OMIT.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 3C NF	4	<u>3</u>	<p>Reason: The system cannot find the requested program on disk.</p> <p><i>Note:</i> The program name is logged in the following format: R xxxxxx. R indicates relocatable library; xxxxxx is the program name.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3E OX	4	<u>03</u>	<p>Reason: Copyfile output file not as big as input file, or neither the TRACKS nor RECORDS parameter was specified in the COPYO FILE statement. This halt may also occur if you attempt to copy a single-volume file to a multi-volume file or if the RECORDS parameter is specified in the FILE statement for an indexed single-volume file.</p> <p><i>Note:</i> The number of tracks required for a file on a 5444 is not the same as the number of tracks required for the same file on a 5445 or 3340.</p> <p>Probable user error.</p> <p>Recovery 0: Continue if records are being deleted from a file or if the file is not full. If the file being copied is single volume, copy will be single volume.</p> <p>3: Immediate cancel.</p>
UP 3J BL	2	<u>03</u>	<p>Reason: Invalid block length on the tape FILE statement.</p> <p>Recovery 0: Continue. The error is ignored. The dump restore program assumes 3072 for IBM 5444 and 3340, or 5120 for IBM 5445.</p> <p>3: Immediate cancel.</p>
UC 3J CR	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Attempting to reorganize a nonindexed file.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J DD	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Attempting to delete or omit records from a direct file.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J DP	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Deleting or omitting records and the delete or omit position specified is greater than the record length.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 3J FC	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. No COPYIN statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UP 3J FL	2	<u>3</u>	<p>Reason: The BACKUP FILE statement is missing or the unit specified is not a tape unit.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J FS	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. When copying one volume of an index multi-volume file, HIKEY must be specified on the COPYO FILE statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J IF	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. The file type is not indexed for SELECT KEY or PKY operation.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J IR	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Possible invalid specifications are:</p> <ul style="list-style-type: none"> ● REORG-NO was given with OUTPUT-BOTH for an indexed file. ● No REORG parameter was specified with OUTPUT-BOTH. ● REORG-YES was not given when copying an entire multi-volume indexed file. <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J IU	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Invalid unit for COPYP file or COPYO file. If using the COPYP, the unit must be a 1403 or 3284. If using COPYO, the unit must not be a 1403 or 3284.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 3J IV	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. An invalid file was specified for the 5444 simulation area on a data module. The file can only be a single-volume sequential or direct file.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J KD	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. The location specified on the KEY statement is greater than the record length.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J KL	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. The key length specified on the SELECT KEY or PKY statement is greater than the key length in the indexed file.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J KR	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Attempting to supply a SELECT KEY or PKY with no FILE or PRINT output.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J ND	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. The output is not disk when copying one volume of a multi-volume file.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J NK	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. The output must be disk when attempting to supply a KEY statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UP 3J NS	8	<u>3</u>	<p>Reason: 3340 is not supported. An attempt has been made to specify SYSTEM=YES when a 3340 is not supported.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 3J OF	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. No COPYO FILE statement with disk file output requested.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J OK	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Attempting to supply a KEY statement when copying an indexed file or one volume of a multi-volume file.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J RS	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Attempting to supply a SELECT RECORD rather than a SELECT KEY for an indexed sequential file.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UC 3J SR	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. Attempting to supply a SELECT RECORD with no FILE or PRINT output.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UC 3J SX	2	<u>3</u>	<p>Reason: Copy/dump program error.</p> <p>Recovery 3: Immediate cancel. Contact IBM for programming support.</p>
UC 3J WP	2	<u>3</u>	<p>Reason: Invalid specification for copy/dump. The file to be copied is not on the pack or tape or the wrong pack or tape is mounted.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UP 3J WP UP 3J WP	2 2	0 <u>13</u> 0 <u>3</u>	<p>Message Text: REQ-"pack name", MOUNTED-"pack name", "unit"</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>↑</p> <p>Requested pack.</p> </div> <div style="text-align: center;"> <p>↑</p> <p>Mounted pack.</p> </div> <div style="text-align: center;"> <p>↑</p> <p>Affected disk unit.</p> </div> </div> <p>Reason: Pack ID of the mounted pack does not agree with the PACK parameter in the COPYPACK statement.</p> <p>Recovery 0: Continue. The error is ignored and the mounted pack will be used.</p> <p>1: Mount the correct pack and retry.</p> <p>3: Immediate cancel.</p> <p>Note: The 1 option is available only if the pack may be removed.</p>
UP 3P BS	2	<u>13</u>	<p>Reason: The SYSTEM keyword parameter is not -YES or -NO.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P CE	2	<u>13</u>	<p>Reason: Too many control statements.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The next statement entered is processed.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UP 3P CX	2	<u>13</u>	<p>Reason: Continuation is indicated on the control statement but the continuation is not valid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P DK	2	<u>13</u>	<p>Reason: A keyword appeared more than once in the statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P F2	2	<u>13</u>	<p>Reason: The FROM keyword parameter is not R1, R2, F1, F2, D1, D2, D3, or D4. If SYSTEM-YES is specified, the valid parameter for the FROM keyword is R1, R2, F1, or F2; only option 3 is available.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P FT	2	<u>13</u>	<p>Reason: Either both or neither of the FROM and TO keywords are specified.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P IK	2	<u>13</u>	<p>Reason: Invalid keyword specified.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UP 3P NP	2	<u>13</u>	<p>Reason: No keywords or parameters found.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P PK	2	<u>13</u>	<p>Reason: Invalid PACK name.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P SE	2	<u>13</u>	<p>Reason: Format or punctuation error.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P T2	2	<u>13</u>	<p>Reason: The TO keyword parameter is not R1, R2, F1, F2, D1, D2, D3 or D4. If SYSTEM-YES is specified, the valid parameter for the TO keyword is R1, R2, F1, or F2; only option 3 is available.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UP 3P US	2	<u>13</u>	<p>Reason: The system does not have the requested unit online.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UP 3P XC	2	<u>3</u>	<p>Reason: The block length given requires more main storage than is available.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. If dumping disk to tape, reduce the BLKL parameter, run on a larger system, or increase the size of the program partition.</p> <p>If restoring tape to disk, run on a larger system or increase the size of the program partition. Rerun the job.</p>
UI 3Y IS		03	<p>Reason: Requested secondary initialization of a disk that requires primary initialization. The halt occurred because:</p> <ul style="list-style-type: none"> ● Pack has never been initialized. ● Permanent disk error occurred which requires that a primary initialization be done. ● A secondary initialization has already been done. <p>Probable user error.</p> <p>Recovery 0: Continue to next request.</p> <p>3: Immediate cancel. The pack requires primary initialization.</p>
UI 3 Y CX	2	<u>13</u>	<p>Reason: Continuation was indicated on the VOL statement but a continuation was not entered.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The VOL statement and any combination statements should be reentered after they have been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 36 DK	2	<u>13</u>	<p>Reason: Duplicate keyword error in VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 I1	2	<u>13</u>	<p>Reason: No parameter for the ID keyword in the VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 I2	2	<u>13</u>	<p>Reason: Invalid parameter for the ID keyword in the VOL statement. ID must be 10 characters or less.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 IK	2	<u>13</u>	<p>Reason: The keyword is not pack ID or NAME360 in the VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 N1	2	<u>13</u>	<p>Reason: No parameter for NAME360 in the VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 36 N2	2	<u>13</u>	<p>Reason: NAME360 parameter is too long or invalid in the VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 N3	2	<u>13</u>	<p>Reason: NAME360 keyword was used for a unit other than the 5445 disk in the VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 NP	2	<u>13</u>	<p>Reason: No keywords or parameters in the VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 P1	2	<u>13</u>	<p>Reason: The PACK keyword is missing, or a parameter for the PACK keyword is missing in the VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 36 P2	2	<u>13</u>	<p>Reason: Invalid parameter for PACK keyword in the VOL statement. Pack name must be six characters or less.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 SE	2	<u>13</u>	<p>Reason: Format or punctuation error in the VOL statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 V1	2	<u>13</u>	<p>Reason: Invalid FILES parameter on the VOL statement. FILES must be 50 or 1000 (50 for the 5444, 1000 for the 3340, and 50 or 1000 for the 5445).</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The VOL statement and any continuation statements should be reentered after they have been corrected and/or verified.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 36 V3	2	<u>13</u>	<p>Reason: Too many VOL statements. Only seven are allowed.</p> <p>Probable user error.</p> <p>Recovery 1: Continue. The last VOL statement is ignored.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
UI 36 VS	2	<u>13</u>	<p>Reason: The VOL statement is invalid for secondary initialization.</p> <p>Probable user error.</p> <p>Recovery 1: Continue. The last VOL statement is ignored.</p> <p>3: Immediate cancel. If the error statement is in a procedure on disk, the procedure must be rebuilt.</p>
ST 3-		03	<p>Reason: The sort pass of the tape sort has ended. The input tape may be removed and replaced with a work tape if the tape drive is used for a work file tape.</p> <p>Recovery 0: Continue after readying the last work tape.</p> <p>3: Immediate cancel.</p>
DD 40 xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: A file has been referenced as an output or add file and the file is already opened.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>

Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 41 xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: This halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> • A file has been referenced as an output file and the file has not been allocated. • A file has been referenced as an input file and cannot be found because it either does not exist or the attributes on the FILE statement do not match the attributes of the input file in the VTOC. <p>When copying files, the halt may occur for one of these additional reasons:</p> <ul style="list-style-type: none"> • The output file was not a new file. • The output file could not be allocated because there was insufficient space on the pack, the pack was bad, or the wrong pack was mounted. <p><i>Note:</i> Display the VTOC using the file and volume label display program to determine the exact cause of the halt.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DO 41 xx	2	<u>03</u>	
			<p>↑ Unit code of the affected device.</p>
DD 43 xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The file is referenced as a consecutive add file and the file is a direct file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors. Then halt 4J will occur.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 44 xx ↑ Unit code of the affected device.	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The file is referenced as an indexed file, but the file is not an indexed file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 45 xx ↑ Unit code of the affected device.	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The file is referenced for consecutive add or update and the file is an indexed file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 46 xx ↑ Unit code of the affected device.	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The existing file has been referenced and the wrong record length has been specified.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p> <p>Note: Run the file and volume label display program. Compare record length in printout against length of record on compiler source listing for the file.</p>
DD 47 xx ↑ Unit code of the affected device.	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The existing file has been referenced and the wrong key length or key location has been specified.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p> <p>Note: Run the file and volume label display program and compare key lengths and key locations.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD48 xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: A permanent disk I/O error occurred when opening a file while doing one of the following:</p> <ol style="list-style-type: none"> 1. Formatting index extents 2. Formatting data file extents 3. Initial loading of input buffers <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: If the halt occurred for reason 1, run the alternate track assignment program before using the file. If no alternate track is assigned, contact IBM for hardware support.</p> <p>If the halt occurred for reason 2 and a new direct output file is being opened, run the alternate track assignment program before using the file. If no alternate track is assigned, contact IBM for hardware support.</p> <p>If the halt occurred for reason 3, run the alternate track assignment program. If an alternate track is not assigned, check the file index. If the file index is destroyed, contact IBM for programming support. If the file index is not destroyed, contact IBM for hardware support.</p>
DD48			<p>↑ Unit code of the affected device.</p>
DO49	2	<u>03</u>	<p>Reason: Attempting to use a device that has not been allocated for one of the following:</p> <ul style="list-style-type: none"> ● A basic assembler program coded at your installation or, ● The current program in this partition. <p>Before attempting recovery, determine if a basic assembler program is being run in this partition. If there is, notify the programmer that this halt occurred and that the program may be in error. If there is no basic assembler program being run, a system error has occurred and your IBM representative should be contacted.</p> <p>Recovery 0: Continue. The device can be used but it will not be reserved for the current program. If the device is allocated for the other partition, its use by the current program will be interrupted.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 4A xx ↑ Unit code of the affected device.	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The file has already been opened for record additions. Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 4B xx ↑ Unit code of the affected device.	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The file index must be sorted before the file can be reopened. The file index is sorted by the end-of-job routines.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 4C xx ↑ Unit code of the affected device.	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: Either two files have been referenced on the same removable pack, and one is an offline multi-volume file; or an offline multi-volume file has been referenced on the pack containing the active \$SPOOL or \$CCPFILE file. Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 4D xx <div style="margin-left: 20px;"> ↑ Unit code of the affected device. </div>	2	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: A permanent disk I/O error occurred when opening a subsequent volume of a multi-volume file while doing one of the following:</p> <ol style="list-style-type: none"> 1. Formatting index extents 2. Initial loading of input buffers <p>Recovery 2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: If the halt occurred for reason 1, run the alternate track assignment program before using the file. If no alternate track is assigned, contact IBM for hardware support.</p> <p>If the halt occurred for reason 2, run the alternate track assignment program. If an alternate track is not assigned, and the file is an indexed file, check the file index. If the file index is destroyed, contact IBM for programming support. If the file index is not destroyed, contact IBM for hardware support.</p>
DD 4E xx <div style="margin-left: 20px;"> ↑ Unit code of the affected device. </div>		03	<p>Message Text: "Filename"</p> <p>Reason: The FILE statement indicates that a multi-volume file will be built; however, a single-volume file was indicated when the program was compiled.</p> <p>Recovery 0: Continue. The file will be built as a single-volume file.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
DU 4F	2	<u>3</u>	<p>Reason: A file whose I/O buffers are not aligned on the required boundary in main storage has been specified.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: If you are using IBM-supplied programs, a program trouble is indicated. You can try running other programs or rerunning the same program. If the same halt occurs, contact IBM for programming support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 4G	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: A halt has just occurred and a 1 option was selected. However, all of the volumes specified by the FILE statement PACK parameter have been checked for last pack.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 4H xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: Unordered load has been specified for an indexed multi-volume file. Ordered load must be specified.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
			<p>↑ Unit code of the affected affected device.</p>
DO 4J	4	<u>23</u>	<p>Reason: All of the file specifications for this program have been checked for errors. There was at least one error found that must be corrected.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
DD 4K xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: An indexed multi-volume file is being opened and the HIKEY parameter is not specified for a load or add.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
			<p>↑ Unit code of the affected device.</p>
DD 4L xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The referenced file is already opened with output to the file specified.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
			<p>↑ Unit code of the affected device.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 4M xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The using program specified the multi-volume file to be processed by relative record number and the volumes have not been specified in the proper sequence in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 4N xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: An indexed multi-volume file is being opened and the HIKEY length specified in the FILE statement and the length of the keys in the file are not the same.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, and halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 4P xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The file has been specified by the program as a direct multi-volume file. However, the FILE statement indicates an offline file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, and halt 4J will occur.</p> <p>3: Immediate cancel. Direct multi-volume files must be online.</p>
DO 4R	2	<u>03</u>	<p>Reason: A previously opened file is being opened again within the same program without having been closed.</p> <p>Recovery 0: Continue. Opening of this file will be bypassed.</p> <p>3: Immediate cancel.</p>

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Unit code of the affected device.

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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 4Sxx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The referenced file is already opened in the other partition as a scratch file (RETAIN-S), or the referenced file is opened in the other partition and this partition is attempting to open it as a scratch file (RETAIN-S).</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then message 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 4T	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: Attempting to process a file in the 5444 simulation area using indexed access or multi-volume data management.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 4Uxx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: Attempting to open a file as an update file and it is already opened as an update file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD 4Wxx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: A 3340 disk file is being opened and the program attributes indicate 3340 data management is not present.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p> <p>Note: The program should be link edited again or recompiled on a 3340 disk system.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 4X	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The DTF for the file has invalid attributes. This could occur for one of the following reasons:</p> <ul style="list-style-type: none">● If an assembler program — probable user error.● If a compiler object program — compiler error.● If a macro was used to build the DTF — macro error. <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DO 4Y	8	<u>3</u>	<p>Reason: This halt occurred for one of the following reasons:</p> <ul style="list-style-type: none">● A basic assembler program coded at your installation is being run and it is attempting to reference a file that has an incorrect device specification or,● A system error has occurred because an attempt is being made to reference a file that has an incorrect device specification. <p>Recovery 3: Immediate cancel.</p> <p>Note: If a basic assembler program is being run, inform the programmer that this halt occurred and that program may be in error. If a basic assembler program is not being run or there is nothing wrong with the basic assembler program, contact IBM for programming support.</p>
DD 4Z CF		3	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to open a file that is being closed by \$CCPCL. The OCL for this job must be resubmitted after \$CCPCL is completed.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: When a CCP task adds records to a file, the file must be closed by CCP before the other partition can access the added records. If close is in progress, the OCL must be reread by the system to obtain the correct file extents.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD 4Z UF		13	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to open a file in use for updates by a CCP task.</p> <p>Recovery 1: Retry. After the CCP task has completed, the file may be accessed.</p> <p>3: Immediate cancel.</p>
DO 4b	2	<u>03</u>	<p>Reason: No FILE statement for referenced file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
ST 4-		3	<p>Reason: A permanent I/O error has occurred. A message is printed that indicates the file that was being processed when the error occurred.</p> <p>Recovery 3: Immediate cancel.</p>
UA 50 ID		2	<p>Reason: A bad track exists which cannot be assigned. Before this pack can be used properly, it must be initialized.</p> <p>Recovery 2: Controlled cancel. The volume label is rewritten and the next ALT statement is read.</p> <p>Note: For a description of the S0 message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UI 50 ID		2	<p>Reason: A bad track exists that cannot be assigned during processing of the suspected defective track list as recorded by error logging.</p> <p>Recovery 2: Controlled cancel. The volume label is rewritten and end of job occurs.</p> <p>Note: After preserving any required data on the disk, use the TYPE-FORCE parameter when running the program.</p> <p>For a description of the S0 message display unit halt, see <i>Message Display Unit Halts</i>.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UR 51	2	<u>3</u>	<p>Reason: OCL and control statements for the alternate track rebuild program cannot be in a procedure.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
ML 52 MR 52		12 12	<p>Message Text: END OF JOB OR RESTART OPTION</p> <p>Reason: End of job for list (ML 52) or reproduce and interpret program (MR 52).</p> <p>Recovery 1: Restart program.</p> <p>2: Controlled cancel.</p>
UI 53	2	<u>13</u>	<p>Reason: Number of VOL statements read does not agree with number of units to be initialized as listed on the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Correct as follows:</p> <ul style="list-style-type: none"> A. If there are too many VOL statements, enter an END statement. B. If a VOL statement is missing, enter the needed VOL statement in front of the END statement. <p>3: Immediate cancel.</p>
EO 54 GF 54	4 4	<u>3</u> <u>3</u>	<p>Reason: End-of-file statement found before END statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
LA 54	4	<u>3</u>	<p>Reason: Invalid end-of-file. LOAD * and RUN followed by a /* or /&.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 54	4	023	Reason: End-of-file statement was found before an END statement.
LM 54	4	<u>23</u>	Recovery 0: Option 0 is valid only for copy file to library. No further records are read from this file. The next control statement is processed. 2: Controlled cancel. 3: Immediate cancel. Note: If a module was being replaced, it may have been deleted, but the new module will not have been copied to the library.
UA 54	4	<u>3</u>	Reason: End-of-file statement found before END statement.
UC 54	4	<u>3</u>	Probable user error. Recovery 3: Immediate cancel.
UF 54	4	<u>3</u>	Reason: End-of-file statement found before END statement. Any files that have been specified on previous control statements for file delete will have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed. Probable user error. Recovery 3: Immediate cancel.
UI 54	4	<u>3</u>	Reason: End-of-file statement found before END statement.
UP 54	4	<u>3</u>	
UR 54	4	<u>3</u>	Probable user error.
US 54	4	<u>3</u>	
UT 54	4	<u>3</u>	Recovery 3: Immediate cancel.
UF 55 A2	2	<u>13</u>	Reason: DATA parameter must be DATA-YES or DATA-NO in the SCRATCH or REMOVE statement. Probable user error. Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 3: Immediate cancel. Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed. For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i> .

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 55 A4	2	<u>13</u>	<p>Reason: The DATA or LABEL parameter is invalid in the FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 CX	2	<u>13</u>	<p>Reason: Continuation is indicated on the SCRATCH, REMOVE, or FORMAT statement, but a continuation is not valid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 D1	2	<u>13</u>	<p>Reason: DATE keyword parameter missing in the SCRATCH or REMOVE statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 55 D2	2	<u>13</u>	<p>Reason: DATE keyword parameter is not a valid 6-character date in the SCRATCH or REMOVE statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 D3	2	<u>13</u>	<p>Reason: DATE keyword is not valid when the LABEL parameter contains more than one name or when the LABEL parameter is VTOC in the SCRATCH or REMOVE statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 DK	2	<u>13</u>	<p>Reason: Duplicate keyword in the SCRATCH, REMOVE or FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 55 IK	2	<u>13</u>	<p>Reason: Invalid keyword in the SCRATCH, REMOVE or FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 KM	2	<u>13</u>	<p>Reason: Missing UNIT, LABEL, or PACK keyword in the SCRATCH or REMOVE statement, or missing UNIT or PACK keyword in the FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 L1	2	<u>13</u>	<p>Reason: LABEL keyword parameter is missing in the SCRATCH or REMOVE statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 55 L2	2	<u>13</u>	<p>Reason: LABEL keyword parameter is not VTOC or is not a valid 8-character-or-less file name in the SCRATCH or REMOVE statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 NP	2	<u>13</u>	<p>Reason: No keywords or parameters in the SCRATCH, REMOVE or FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 P1	2	<u>13</u>	<p>Reason: PACK keyword parameter missing in the SCRATCH, REMOVE, or FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 55 P2	2	<u>13</u>	<p>Reason: PACK keyword parameter is not a valid 6-character-or-less ID in the SCRATCH, REMOVE, or FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 SE	2	<u>13</u>	<p>Reason: Format or punctuation error in the SCRATCH, REMOVE or FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 U1	2	<u>13</u>	<p>Reason: UNIT keyword parameter missing in the SCRATCH, REMOVE, or FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 55 U2	2	<u>13</u>	<p>Reason: UNIT keyword parameter not R1, R2, F1, F2, D1, D2, D3, or D4 in the SCRATCH, REMOVE, or FORMAT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UF 55 US	2	<u>13</u>	<p>Reason: The disk unit requested in the SCRATCH, REMOVE, or FORMAT statement is not supported.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p> <p>For a description of the SS message display unit halt, see <i>Message Display Unit Halts</i>.</p>
UA 56 xx		03	<p>Reason: Error during alternate track assignment. The unit specified on the ALT statement is an uninitialized pack.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The ALT statement that specified the pack that is not initialized will not be processed. The remaining ALT statements will be processed.</p> <p>3: Immediate cancel.</p>

↑
Unit code of the
affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UA 56 TS		03	<p>Reason: Error during alternate track assignment. The track(s) specified for the ASSIGN or UNASSIGN keyword is beyond the initialized capacity of the pack.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. All tracks within the capacity of the pack will be handled normally. The remaining are ignored.</p> <p>3: Immediate cancel.</p>

UF 57 WP	4	013	<p>Message Text: REQ-"pack name", MOUNTED-"pack name", "unit"</p> <p style="text-align: center;"> </p> <p style="text-align: center;"> Requested pack. Mounted pack. Affected disk unit. </p>
UF 57 WP	4	<u>03</u>	

Reason: The wrong pack is mounted for the file delete program.

Recovery 0: Continue. Read the next control statement.

1: Mount the correct pack and retry.

3: Immediate cancel.

Note: Any files that have been specified for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.

The 1 option is available only if the pack may be removed.

UA 5A IU	4	012	<p>Reason: Invalid alternate track assignment request. Trying to cancel the prior assignment of a track that has not been assigned an alternate.</p> <p>Recovery 0: Continue. Request is ignored. The next request on the ALT statement is processed.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel. The volume label is updated to reflect current status and end of job occurs.</p> <p>Note: Run the file and volume label display program to determine alternate track assignments.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UA 5A NA	4	<u>02</u>	<p>Reason: No more alternate track assignments can be made. All alternate tracks are either defective or have been previously assigned.</p> <p>Cancel prior assignment if possible to free alternate for use for 5444 or 5445.</p> <p><i>Note:</i> A list of track numbers may be printed before this halt. These are the tracks that:</p> <ul style="list-style-type: none"> ● Were not assigned and were in the ASSIGN parameter for 5444 or 5445 or, ● Were in the suspected defective track list as recorded by error logging. <p>If the track number listed is already assigned, this is an indication that the alternate track assigned has a permanent error. In this case, you may attempt to cancel the prior assignment of the primary track and conditionally assign this primary track to another alternate. If the halt occurs again, it is probable that no more alternate track assignments can be made.</p> <p>Recovery 0: Continue. The next ALT statement is processed.</p> <p style="padding-left: 40px;">2: Controlled cancel. The volume label is updated to reflect current status and end of job occurs.</p> <p>Note: Run the file and volume label display program to determine alternate track assignments.</p>
UI 5A NA	4	<u>02</u>	<p>Reason: Unable to test a suspected defective track on a data module because all 40 alternate tracks are either defective or have been previously assigned.</p> <p>Recovery 0: Continue. The remaining entries in the suspected defective track list are ignored and initialization continues.</p> <p style="padding-left: 40px;">2: Controlled cancel. The volume label is updated to reflect current status and end of job occurs.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UA 5A PA	4	<u>012</u>	<p>Reason: Alternate track assignment error. Attempting to assign an alternate track that has been previously assigned.</p> <p><i>Note:</i> If you were attempting to assign this track to a different alternate using unconditional assignment, it may be necessary to cancel the prior assignment of the primary track and conditionally assign this primary track to another alternate.</p> <p>Recovery 0: Continue. Request is ignored. Next request on ALT statement is processed.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel. The volume label is updated to reflect current status and end of job occurs.</p> <p>Note: Run the file and volume label display program to determine alternate track assignments.</p>
MR 5B 01		13	<p>Message Text: I/O DEVICE CANNOT INTERPRET</p> <p>Reason: A request for an interpret-only function has been made for the reproduce and interpret program on a system with a 2501/1442 device configuration.</p> <p>Recovery 1: Select another function and retry.</p> <p>3: Immediate cancel.</p>
MR 5B 02	2	<u>3</u>	<p>Message Text: REQUIRED DEVICE NOT SUPPORTED</p> <p>Reason: The I/O device configuration necessary to support the reproduce and interpret program is not on line.</p> <p>Recovery 3: Immediate cancel.</p>
MS 5B 02	2	<u>3</u>	<p>Message Text: REQUIRED DEVICE NOT SUPPORTED</p> <p>Reason: The I/O device configuration necessary to support the sort/collate program is not on line.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MR 5C IC		13	<p>Message Text: ERROR IN REFORMAT DATA CARD</p> <p>Reason: Invalid card column specified on a reformat card for the reproduce and interpret program. Any entry other than the following is invalid:</p> <ul style="list-style-type: none"> ● 80 column I/O device – 01 through 80 ● 96 column I/O device – 01 through 96 <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
MR 5C RE		13	<p>Message Text: ERROR IN REFORMAT DATA CARD</p> <p>Reason: Error in the reformat data card for the reproduce and interpret program. The FROM start columns are greater than the FROM end columns, or the data fields as specified cannot be punched in the new deck.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
UF 5F 8K	2	<u>13</u>	<p>Reason: An attempt was made to display file labels from a 5445 with a 1000-file VTOC or from a 3340 disk unit and at least 10K bytes of storage are not available.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 5F CX	2	<u>13</u>	<p>Reason: Continuation is indicated on the DISPLAY statement but a continuation is not valid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F DK	2	<u>13</u>	<p>Reason: Duplicate keyword in the DISPLAY statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F IK	2	<u>13</u>	<p>Reason: Keyword is not LABEL, UNIT, or SORT in the DISPLAY statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F KM	2	<u>13</u>	<p>Reason: LABEL or UNIT keyword is missing in the DISPLAY statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 5F L1	2	<u>13</u>	<p>Reason: No parameter for LABEL keyword in the DISPLAY statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F L2	2	<u>13</u>	<p>Reason: Invalid parameter for LABEL keyword in the DISPLAY statement. It must be VTOC or an 8-character-or-less filename.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F L3	2	<u>13</u>	<p>Reason: Too many names as LABEL parameters on all DISPLAY statements combined. Only 20 names can be processed in one run. VTOC is treated as one name.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F NP	2	<u>13</u>	<p>Reason: No keywords or parameters in the DISPLAY statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 5F S1	2	<u>13</u>	<p>Reason: No parameter for SORT keyword in the DISPLAY statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F S2	2	<u>13</u>	<p>Reason: Invalid parameter for SORT keyword in the DISPLAY statement. SORT-NAME must be specified.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F S3	2	<u>13</u>	<p>Reason: The SORT keyword is not valid because the pack has a 50-file VTOC or DISPLAY-VTOC was not used.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F S4	2	<u>03</u>	<p>Reason: Not enough space is available for sorting of the VTOC entries.</p> <p>Recovery 0: Continue without sorting the VTOC entries.</p> <p>3: Immediate cancel.</p>
UF 5F SE	2	<u>13</u>	<p>Reason: Format or punctuation error in the DISPLAY statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 5F U1	2	<u>13</u>	<p>Reason: No parameter for UNIT keyword in the DISPLAY statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F U2	2	<u>13</u>	<p>Reason: Invalid parameter for UNIT keyword in the DISPLAY statement. It must be R1, F1, R2, F2, D1, D2, D3, or D4.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UF 5F US	2	<u>13</u>	<p>Reason: Parameter for the UNIT keyword in the DISPLAY statement is R2, F2, D1, D2, D3, or D4 and that unit is not online.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5H EU	4	<u>0123</u>	<p>Reason: This halt occurs when trying to cancel the prior assignment of an alternate track. It indicates that the primary track is still defective.</p> <p>Recovery 0: Ignore the defective primary track and force the cancellation of the prior assignment.</p> <p>1: Retry the operation.</p> <p>2: Bypass this request and go to next request on this ALT statement or next ALT statement.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 5L AF	4	<u>03</u>	<p>Reason: Attempting to delete active files that are being used by a program in the other partition, or by an interrupted program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. If the entire volume table of contents is being deleted, the next statement will be processed. If specific files are being deleted, the next file is processed.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p>
UF 5L AS	4	<u>03</u>	<p>Reason: The program is attempting to remove an active spool file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p>
UF 5L B2	4	<u>03</u>	<p>Reason: Trying to delete a System/3 BASIC file. System/3 BASIC files can be removed or scratched only by a System/3 BASIC system.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next file is processed.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UF 5L NF	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: File not on specified unit for file delete or file display program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next file name is processed.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p>
UF 5L NI	4	<u>03</u>	<p>Reason: Attempting to delete a file from or to format an uninitialized disk.</p> <p>Probable user error.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p> <p>Note: Any files that have been specified on previous control statements for this program have been removed from the VTOC. If DATA-YES is used, the data for previous files has already been removed.</p>
UR 5P AA	4	<u>13</u>	<p>Reason: Trying to rebuild track with no alternate track assigned. Primary track number was printed by the alternate track assignment program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
xx 5Q ↑ Component ID.		3	<p>Reason: A system error occurred while the system was interlocking a disk volume.</p> <p>Recovery D: Respond with a D option in place of the 3 option for a storage dump. Contact IBM for programming support.</p> <p>Note: This halt is issued by the following programs:</p>

Component ID	Program
CP	\$CCP
EO	\$OLINK
UA	\$ALT
UC	\$COPY
UF	\$LABEL, \$DELET
UI	\$INIT
UP	\$DCOPY
UR	\$BUILD
US	\$SCOPY
UX	\$RSALT

UI 5U CE	2	<u>13</u>	<p>Reason: Too many UIN statements. Only one is allowed.</p> <p>Probable user error.</p> <p>Recovery 1: Continue. The last UIN statement is ignored.</p> <p>3: Immediate cancel.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 5U CX	2	<u>13</u>	<p>Reason: Continuation is indicated on the UIN statement but a continuation is not valid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U DK	2	<u>13</u>	<p>Reason: Duplicate keyword in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U E1	2	<u>13</u>	<p>Reason: UIN statement parameter for ERASE keyword is missing.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U E2	2	<u>13</u>	<p>Reason: UIN statement parameter for ERASE keyword is invalid. It must be YES or NO.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U IC	2	<u>13</u>	<p>Reason: Invalid combination of TYPE and ERASE parameters or invalid combination of UNIT-D1, UNIT-D2, UNIT-D3, or UNIT-D4 and TYPE or CAP parameters in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 5U IK	2	<u>13</u>	<p>Reason: Invalid keyword in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U NP	2	<u>13</u>	<p>Reason: No keywords or parameters in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U P1	2	<u>13</u>	<p>Reason: Parameter for the CAP keyword is missing in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U P2	2	<u>13</u>	<p>Reason: Parameter for the CAP keyword is a sublist that is not allowed in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U P3	2	<u>13</u>	<p>Reason: Parameter for the CAP keyword is neither HALF nor FULL in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 5U SE	2	<u>13</u>	<p>Reason: Format or punctuation error in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U T1	2	<u>13</u>	<p>Reason: Parameter for the TYPE keyword is missing in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U T2	2	<u>13</u>	<p>Reason: Parameter for the TYPE keyword is invalid in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U U1	2	<u>13</u>	<p>Reason: UNIT keyword is missing or the UNIT keyword parameter is missing in the UIN statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U U2	2	<u>13</u>	<p>Reason: UIN statement parameter for the UNIT keyword is invalid. It must be R1, R2, F1, F2, D1, D2, D3, or D4. For a system with 3340 disk units, it must be D1, D2, D3, or D4.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI 5U U4	2	<u>13</u>	<p>Reason: Unit specified more than once in the UIN statement. For example R1, R1.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U US	2	<u>13</u>	<p>Reason: UIN statement parameter for UNIT keyword is R2, F2, D1, D2, D3, or D4 and that unit is not online.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U V1	2	<u>13</u>	<p>Reason: UIN statement parameter for the VERIFY keyword is missing.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UI 5U V2	2	<u>13</u>	<p>Reason: UIN statement parameter for the VERIFY keyword is not 1 through 255.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UR 5Y AT	2	<u>13</u>	<p>Reason: The REBUILD statement TRACK parameter specifies an alternate track address. The parameter must specify a primary track.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y CI	2	<u>13</u>	<p>Reason: Continuation is indicated on the REBUILD statement, but a continuation is not valid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y CS	2	<u>13</u>	<p>Reason: Statement sequence error. The order of the statements should be – REBUILD statement, data statements, END statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y D1	2	<u>13</u>	<p>Reason: Invalid DISP parameter in the REBUILD statement. The characters of the parameter must be numeric.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y DK	2	<u>13</u>	<p>Reason: Duplicate keyword in the REBUILD statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UR 5Y DL	2	<u>13</u>	<p>Reason: The number of hex digits on the data statement does not agree with the LENGTH parameter on the REBUILD statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. Reenter the last control statement followed by the data statements.</p> <p>3: Immediate cancel.</p>
UR 5Y IC	2	<u>13</u>	<p>Reason: The track portion of the TRACK parameter in the REBUILD statement exceeds the pack capacity.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. Reenter the last control statement followed by the data statements.</p> <p>3: Immediate cancel.</p>
UR 5Y ID	2	<u>13</u>	<p>Reason: The REBUILD statement parameter for the DISP keyword is invalid. It is not 1 through 255.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y IK	2	<u>13</u>	<p>Reason: Invalid keyword in the REBUILD statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y IL	2	<u>13</u>	<p>Reason: The REBUILD statement LENGTH parameter is not 2 through 256 or the length specified is not an even number.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UR 5Y IP	2	<u>13</u>	<p>Reason: Invalid PACK parameter in the REBUILD statement. This parameter cannot exceed six characters.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y IS	2	<u>13</u>	<p>Reason: REBUILD statement error. For 5444 disk, the sector portion of the TRACK parameter is not 0 through 23. For 5445 disk, the record portion of the TRACK parameter is not 1 through 20. For a 3340 data module, the record portion of the TRACK parameter is not 01 through 48.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y IT	2	<u>13</u>	<p>Reason: REBUILD statement error. For 5444 disk, the track portion of the TRACK parameter is less than 8 or greater than 405. For 5445 disk, the track portion of the TRACK parameter is less than 20 or greater than 3999. For a 3340 data module, the track portion of the TRACK parameter is not 0001 through 3339 or 3380 through 4187.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y IU	2	<u>13</u>	<p>Reason: REBUILD statement error. For a 3340 data module, the UNIT keyword parameter is not D1, D2, D3, or D4. For 5444 or 5445 disk, the UNIT keyword parameter is not R1, R2, F1, F2, D1, D2, D3, or D4.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UR 5Y L1	2	<u>13</u>	<p>Reason: Invalid LENGTH parameter in the REBUILD statement. The characters of the parameter must be numeric.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y LD	2	<u>13</u>	<p>Reason: Length plus displacement exceeds 257 in the REBUILD statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y MK	2	<u>13</u>	<p>Reason: Missing keyword in the REBUILD statement – PACK, UNIT, TRACK, LENGTH, or DISP.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y NP	2	<u>13</u>	<p>Reason: No keywords or parameters in the REBUILD statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y SE	2	<u>13</u>	<p>Reason: REBUILD statement format or punctuation error.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UR 5Y SU	2	<u>13</u>	<p>Reason: REBUILD statement parameter for UNIT is R2, F2, D1, D2, D3, or D4 and the disk is not online.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y T1	2	<u>13</u>	<p>Reason: Invalid TRACK parameter on the REBUILD statement. Characters of the parameter must be numeric.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y TP	2	<u>13</u>	<p>Reason: Invalid TRACK parameter on the REBUILD statement. For 5444 disk, it must be exactly 5 digits in length. For 5445 or 3340 disk, it must be exactly 6 digits in length.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UR 5Y VH	2	<u>13</u>	<p>Reason: Invalid hex digits on the data statement for REBUILD.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. Reenter the last control statement followed by the corrected data statements.</p> <p>3: Immediate cancel.</p>
UA 5 6 A4	2	<u>13</u>	<p>Reason: Too many ALT statements. Only eight are allowed.</p> <p>Probable user error.</p> <p>Recovery 1: The last ALT statement is ignored.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UA 5 6 AU	2	<u>13</u>	<p>Reason: Both ASSIGN and UNASSIGN keywords were found in the ALT statement(s).</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 CX	2	<u>13</u>	<p>Reason: Continuation is indicated on the ALT statement but a continuation is not valid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 DK	2	<u>13</u>	<p>Reason: Duplicate keyword in the ALT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 IK	2	<u>13</u>	<p>Reason: Invalid keyword in the ALT statement. The keyword is not PACK, UNIT, VERIFY, ASSIGN, or UNASSIGN.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 KM	2	<u>13</u>	<p>Reason: PACK or UNIT keyword is missing on the ALT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UA 56 NP	2	<u>13</u>	<p>Reason: No keywords or parameters in the ALT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 56 P1	2	<u>13</u>	<p>Reason: ALT statement PACK keyword missing, or parameter missing for the PACK keyword.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 56 P2	2	<u>13</u>	<p>Reason: Invalid parameter for PACK keyword in the ALT statement. Pack name must be six characters or less, with no apostrophes and leading or embedded blanks.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 56 SE	2	<u>13</u>	<p>Reason: Format or punctuation error in the ALT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 56 T1	2	<u>13</u>	<p>Reason: ALT statement parameter missing for ASSIGN or UNASSIGN keyword.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UA 5 6 T2	2	<u>13</u>	<p>Reason: Invalid parameter for ASSIGN or UNASSIGN keyword in the ALT statement. For the 5444 disk, it must be a track number from 8 through 405. For the 5445 disk, it must be a track number from 20 through 3999.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 T3	2	<u>13</u>	<p>Reason: Too many tracks given for ASSIGN or UNASSIGN keyword in the ALT statement. Only six tracks can be specified per ALT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 T4	2	<u>13</u>	<p>Reason: ALT statement parameter for the ASSIGN or UNASSIGN keyword contains duplicate track numbers.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 U1	2	<u>13</u>	<p>Reason: No parameter for the UNIT keyword in the ALT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 U2	2	<u>13</u>	<p>Reason: Invalid parameter for the UNIT keyword in the ALT statement. It must be R1, R2, F1, F2, D1, D2, D3, or D4. For a system with 3340 disk units, it must be D2, D3, or D4.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UA 5 6 US	2	<u>13</u>	<p>Reason: ALT statement parameter for the UNIT keyword is R2, F2, D1, D2, D3, or D4 and the disk is not on line.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 V1	2	<u>13</u>	<p>Reason: No parameter for the VERIFY keyword in the ALT statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 V2	2	<u>13</u>	<p>Reason: Invalid parameter for the VERIFY keyword in the ALT statement. It must be a decimal number from 1 through 255.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UA 5 6 WI	2	<u>13</u>	<p>Reason: ALT statement for the data module contains the ASSIGN or UNASSIGN keyword.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
ST 5-		3	<p>Message Text: PROBABLE SORT LOGIC ERROR</p> <p>Reason: A tape sort program error has occurred, or data was defined incorrectly on the sort sequence specifications in the control field area, or an operational error has occurred (such as manually repositioning tape on a tape drive during execution of the tape sort program).</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: Verify that data for the tape sort was described correctly and entered correctly, and rerun the program. If the error recurs, take a main storage dump rather than selecting option 3, and contact IBM for programming support.</p>

UF 5' NI	4	<u>03</u>	<p>Message Text: "unit"</p> <p>Reason: This pack cannot be used. The pack is not initialized.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. If any different units are listed, those files will be displayed.</p> <p>3: Immediate cancel.</p>
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UF 5' NU	4	<u>03</u>	<p>Reason: This pack cannot be used for one of the following reasons:</p> <ul style="list-style-type: none"> ● The pack was used as the TO pack for a copypack run that required early termination. This pack can only be used as a pack for another copypack run or it must be reinitialized. ● The 5444 simulation area was used as the TO area of a \$SCOPY COPYAREA run that required early termination. This area can only be used as an area for another \$SCOPY COPYAREA or CLEAR run. <p>Probable user error.</p> <p>Recovery 0: Continue. If any different units are listed, those files will be displayed.</p> <p>3: Immediate cancel.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 60 DR	4	<u>123</u>	<p>Message Text: DEDICATION REQUIRED</p> <p>Reason: An attempt is being made to copy or rename system entries on the pack from which the system was loaded, and the other partition is active.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. If the other partition is still active, this message is issued again and the function is not performed. If the other partition is no longer active, the function is performed. The library maintenance program becomes dedicated and remains so until end of step. This method is not recommended for copying or renaming system entries since unpredictable results can occur. It is suggested that an IPL be performed when the step has completed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 60 SY	4	<u>023</u>	<p>Reason: An attempt is being made to deallocate or reallocate the libraries, or to copy, delete, or rename the system or library maintenance entries on the pack from which the system or library maintenance program was loaded.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. For deallocating or reallocating libraries or deleting entries, ignore the request. The next control statement is read.</p> <p>For copying or renaming entries, the function will be performed. However, this method is not recommended for copying or renaming system or library maintenance entries since unpredictable results may occur. It is suggested that an IPL be performed when the job step has completed.</p> <p>2: Controlled Cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If an attempt was made to copy or rename the system entries on the system pack, the library maintenance program has become dedicated and will remain so until end of step.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 61 BF	4	<u>023</u>	<p>Reason: Attempting to use a nondisk file.</p> <p>Recovery 0: Continue. Ignore the request and process the next control statement. If this is a library to file copy, control statements are read through the NEND statement and the next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 61 EP	4	<u>023</u>	<p>Reason: Error found when attempting to perform a library function. Possible reasons are:</p> <p>Attempting to copy a system (LIBRARY-O,NAME-SYSTEM) or all libraries (LIBRARY-ALL,NAME-ALL) to a library that is:</p> <ul style="list-style-type: none"> ● Not empty. ● Not allocated with a scheduler work area as large as the FROM library scheduler work area, or ● Not allocated sufficient space. <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. The next control statement is read.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 61 NS	4	<u>023</u>	<p>Reason: An attempt is being made to copy a system but the system does not exist on the FROM pack.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. The next control statement is read.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 61 S7	4	0 <u>2</u> 3	<p>Reason: A library function is attempting to use a pack that contains a System/7 programming system.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored. Records are read through the CEND or NEND statement if necessary, then the next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 62 CS	4	01 <u>2</u> 3	<p>Reason: Check sum error in the record being placed in the library. All records in the object module have a self-check number.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. Records are read through the CEND statement, then the next control statement is processed.</p> <p>1: Ignore the error, accept the record, and continue.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: For options 0, 2, and 3, if a module was being replaced, it may have been deleted but the new module will not have been copied to the library.</p>
LM 62 DR	4	01 <u>2</u> 3	<p>Reason: Error in the records being placed in the library. It cannot be determined if the REMOVE statement is a data record or a control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The REMOVE statement is placed in the source library entry with no further checking done.</p> <p>1: Correct the record and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 62 EF	4	01 <u>2</u> 3	<p>Reason: Error in the records being placed in the library. The FROM, TO, or AFTER sequence number does not exist or is not in ascending sequence.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. Records are read through the CEND statement, then the next control statement is processed.</p> <p>1: Correct the record and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 62 ND	4	01 <u>2</u> 3	<p>Reason: Error in the records being placed in the library. No data records following the INSERT or REPLACE control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. Records are read through the CEND statement, then the next control statement is processed.</p> <p>1: Correct the record and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 62 NH	4	01 <u>2</u> 3	<p>Reason: Error in the records being placed in the library. The object deck header record is missing.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. Records are read through the CEND statement, then the next control statement is processed.</p> <p>1: Correct the record and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 62 SQ	4	0 <u>1</u> 23	<p>Reason: The records being placed in the library are out of sequence. The sequence number is in the last four columns of the record.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. Records are read through the CEND statement, then the next control statement is processed.</p> <p>1: Correct the record sequence and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: For options 0, 2, and 3, if a module was being replaced, it may have been deleted but the new module will not have been copied to the library.</p>
LM 62 TP	4	0 <u>1</u> 23	<p>Reason: An incorrect type record is being placed in the library.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. Records are read through the CEND statement, then the next control statement is processed.</p> <p>1: Correct the record and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: For options 0, 2, and 3, if a module was being replaced, it may have been deleted but the new module will not have been copied to the library.</p>
LM 63 DE	4	0 <u>2</u> 3	<p>Reason: Directory entry error. An attempt has been made to remove an entire directory entry using MODIFY.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the request. The next control statement is read.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 63 NF	4	<u>0</u> 123	Reason: Directory entry error. The directory entry cannot be found, or if the entry exists in the DELETE statement, the attributes do not match. Probable user error. Recovery 0: Continue. The request is ignored. Records are read through the CEND or NEND statement if necessary, then the next control statement is processed. 1: Retry. Option 1 is valid only for copy library to file. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.
LM 63 NF	4	0 <u>2</u> 3	
LM 64 DS	2	<u>1</u> 23	Reason: Error on the ALLOCATE statement. Attempting to change to a directory size that is too small for the active permanent directory entries. Probable user error. Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.
LM 64 HS	2	<u>1</u> 23	Reason: Error on the ALLOCATE statement. Attempting to create a system history area on a nonsystem pack. Probable user error. Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.
LM 64 MN	2	<u>1</u> 23	Reason: Error on the ALLOCATE statement. Attempting to allocate an object library that is less than the minimum size required. Probable user error. Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 64 NO	2	<u>1</u> 3	<p>Reason: Error on the ALLOCATE statement. OBJECT-R is specified but there is no object library.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 64 NS	2	<u>1</u> 3	<p>Reason: Error on the ALLOCATE statement. SOURCE-R is specified but there is no source library.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 64 OA	2	<u>1</u> 3	<p>Reason: Error on the ALLOCATE statement. Attempting to reallocate the object library but it is being made too small to contain all the permanent entries.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 64 SA	2	<u>123</u>	<p>Reason: Error on the ALLOCATE statement. Attempting to reallocate the source library but it is being made too small to contain all of the permanent entries.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
EO 65 UN		03	<p>Reason: The overlay linkage editor detected an attempt to catalog a module on a pack that was not initialized.</p> <p>Probable user error.</p> <p>Recovery 0: Catalog attempt is ignored. Module is punched.</p> <p>3: Immediate cancel.</p>
LM 65 UN	2	<u>123</u>	<p>Reason: The library maintenance program detected an attempt to use an uninitialized pack.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LA 66 CM	4	<u>3</u>	<p>Reason: Invalid object program. The number of records in the object program does not agree with the information in the header record for the object program, or a /* statement was found before the end of the object program.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
LA 66 CS	4	<u>13</u>	<p>Reason: Error with the LOAD * function. A check sum error was detected in the object program loaded from the system input device.</p> <p>Probable user error.</p> <p>Recovery 1: Ignore the error, accept the record, and continue. The object program might not execute properly.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LA 66 IC	4	<u>13</u>	<p>Reason: Error with the LOAD * function. Incorrect record type, not T or R. The object program records have a T or R in column 1.</p> <p>Probable user error.</p> <p>Recovery 1: Correct the record and retry.</p> <p>3: Immediate cancel.</p>
LA 66 NH	4	<u>13</u>	<p>Reason: Error with the LOAD * function. No header record. An object program header record has an H in column 1.</p> <p>Probable user error.</p> <p>Recovery 1: Correct the record and retry.</p> <p>3: Immediate cancel.</p>
LA 66 NR	4	<u>3</u>	<p>Reason: Error with the LOAD * function. Attempting to place an object program in the object library and there is not enough room.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
LA 66 SQ	4	<u>13</u>	<p>Reason: Error with the LOAD * function. The object program records are out of sequence. Sequence numbers are in the last four columns of the record.</p> <p>Probable user error.</p> <p>Recovery 1: Correct the record sequence and retry.</p> <p>3: Immediate cancel.</p>
EO 67 NL		03	<p>Reason: Library does not exist on the specified pack. The error was detected by overlay linkage editor.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The module is punched on the system punch device.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 67 NL	4	<u>0123</u>	<p>Reason: Library does not exist on the specified pack. The error was detected by the library maintenance program.</p> <p>Recovery 0: Continue. The request is ignored. Records are read through the CEND or NEND statement if necessary, then the next control statement is processed.</p> <p>1: Retry: Option 1 is valid only for copy library to file. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 67 NL	4	<u>023</u>	
EO 68 DF		03	<p>Reason: The overlay linkage editor detected that no more directory space is available for the entry.</p> <p>Recovery 0: The request is ignored and the module is punched on the system punch device.</p> <p>3: Immediate cancel.</p>
LM 68 DF	4	<u>023</u>	<p>Reason: The library maintenance program detected that no more directory space is available for the entries being copied.</p> <p>Recovery 0: Continue. The request is ignored. Records are read through the CEND statement if necessary, then the next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If a module was being replaced, it may have been deleted but the new module will not have been copied into the library.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 68 FF	4	<u>023</u>	<p>Reason: The file is not large enough to complete the copy requested.</p> <p>Recovery 0: Continue. The file is saved. Control statements are read through the NEND statement and the next control statement is processed.</p> <p>Note: The last entry in the file is probably incomplete.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
EO 68 LF		03	<p>Reason: The overlay linkage editor detected that no more library space is available for the entry.</p> <p>Recovery 0: The request is ignored and the module is punched on the system punch device.</p> <p>3: Immediate cancel.</p>
LM 68 LF	4	<u>023</u>	<p>Reason: No room exists in the library to copy the specified entries, or there is not enough room to write the modified entry back into the library.</p> <p>Recovery 0: Continue. The request is ignored. Records are read through the CEND statement if necessary, then the next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If a module was being replaced, it will have been deleted but the new module will not have been copied into the library.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
EO 69 HE LA 69 HE	8 8	<u>3</u> <u>3</u>	<p>Reason: An unrecoverable disk error has occurred while using a disk library. The unit in error was displayed by a previous halt. The pack, with a library used by the program executing, is defective and the library must be recreated. Run alternate track assignment first to check for a defective track.</p> <p>Recovery 3: Immediate cancel.</p>
LM 69 HE	8	<u>23</u>	<p>Reason: An unrecoverable disk error has occurred while using a disk library. The unit in error was displayed by a previous message. The pack with a library used by the executing program is defective and the library must be recreated.</p> <ul style="list-style-type: none"> • If the error is on the TO pack, the TO pack is defective and the library must be recreated from the master. Run the alternate track assignment program to check for a defective track. • If the error is on the FROM pack, run the alternate track assignment program to check for a defective track. If no alternate is assigned, rerun the program. If the alternate track assignment program indicates errors during transfer of data, recreate the library. • If the error is on the WORK pack, consider that the WORK and TO packs are defective. Assign an alternate track to the work pack if necessary and rerun the program. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A AL	2	<u>123</u>	<p>Reason: Error in the library maintenance control statement. The SOURCE or OBJECT keyword or keyword parameter is missing or invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A AZ	2	<u>123</u>	<p>Reason: Error in the library maintenance control statement. The SYSTEM keyword or keyword parameter is missing or invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A D2	2	<u>123</u>	<p>Reason: Error in the library maintenance control statement. The FROM or TO parameter is R2 or F2 or the WORK parameter is R2, F2, D1, D2, D3, or D4 and that unit is not supported.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6ADK LM 6ADK	2 2	0123 <u>123</u>	<p>Reason: The library maintenance control statement contains a duplicate keyword.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Option 0 is valid only for copy library to file. The request is ignored and statements are read through the NEND statement. Then the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A DS	2	<u>123</u>	<p>Reason: The library maintenance control statement contains an invalid DIRSIZE keyword. The value specified must be from 1 through 9 and less than the value specified for the OBJECT keyword parameter.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A FL	2	<u>123</u>	<p>Reason: Invalid or missing FILE keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A FM	2	<u>123</u>	<p>Reason: Invalid or missing FROM keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A HS	2	<u>123</u>	<p>Reason: Invalid HISTORY keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A IK LM 6A IK	2 2	0 <u>123</u> <u>123</u>	<p>Reason: The library maintenance control statement contains an invalid keyword.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Option 0 is valid only for copy library to file. The request is ignored and statements are read through the NEND statement, then the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A IN	2	<u>123</u>	<p>Reason: The library maintenance control statement contains an invalid INCR keyword or keyword parameter.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A IS LM 6A IS	2 2	0123 <u>123</u>	<p>Reason: The first three columns in the library maintenance control statement do not contain // blank.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Option 0 is valid only for copy library to file. The request is ignored and statements are read through the NEND statement, then the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A IV LM 6A IV	2 2	0123 <u>123</u>	<p>Reason: Invalid statement identifier for the library maintenance program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Option 0 is valid only for copy library to file. The request is ignored and statements are read through the NEND statement, then the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A LB LM 6A LB	2 2	0123 <u>123</u>	<p>Reason: Invalid or missing LIBRARY keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Option 0 is valid only for copy library to file. The request is ignored and statements are read through the NEND statement, then the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A LS	2	<u>123</u>	<p>Reason: Invalid LIST keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A NK	2	0 <u>123</u>	<p>Reason: No keywords or keyword parameters exist in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Option 0 is valid only for copy library to file. The request is ignored and statements are read through the NEND statement. Then the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A NK	2	<u>123</u>	
LM 6A NM	2	0 <u>123</u>	<p>Reason: Invalid or missing NAME keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Option 0 is valid only for copy library to file. The request is ignored and statements are read through the NEND statement. Then the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A NM	2	<u>123</u>	
LM 6A NU	2	<u>123</u>	<p>Reason: Invalid or missing NEWNAME keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A NU (continued)			Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.
LM 6A OM	2	<u>123</u>	Reason: Invalid OMIT keyword or keyword parameter in the library maintenance control statement. Probable user error. Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.
LM 6A RL	2	<u>123</u>	Reason: Invalid RECL keyword or keyword parameter in the library maintenance control statement. Probable user error. Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.
LM 6A RS	2	<u>123</u>	Reason: Invalid or missing RESER keyword or keyword parameter in the library maintenance control statement. Probable user error. Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.
LM 6A RT	2	<u>123</u>	Reason: Invalid or missing RETAIN keyword or keyword parameter in the library maintenance control statement. Probable user error. Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified. 2: Controlled cancel. 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A SF	2	<u>123</u>	<p>Reason: Invalid SEQFLD keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A SQ	2	<u>123</u>	<p>Reason: Invalid or missing FROM, TO, or AFTER keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A ST	2	0 <u>123</u>	<p>Reason: Format, continuation, or punctuation error in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Option 0 is valid only for copy library to file. The request is ignored and statements are read through the NEND statement. Then the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6AST	2	<u>123</u>	
LM 6A TO	2	<u>123</u>	<p>Reason: Invalid or missing TO keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A WK	2	<u>123</u>	<p>Reason: Invalid or missing WORK keyword or keyword parameter in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A XC	4	<u>0123</u>	<p>Reason: Invalid record for the library maintenance program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from this file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A XD	4	<u>0123</u>	<p>Reason: A duplicate keyword has been found in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from this file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A XL	4	0123	<p>Reason: The LIBRARY keyword is missing in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from the file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A XM	4	0123	<p>Reason: The NAME keyword is missing in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from the file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A XN	4	0123	<p>Reason: The NAME parameter is invalid in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from the file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A XP	4	01 <u>2</u> 3	<p>Reason: The library does not exist on the pack. Library maintenance control statement error.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from the file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A XS	4	01 <u>2</u> 3	<p>Reason: A syntax error has been detected in the library maintenance control statement. A hyphen (-) must separate the keyword and parameter.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from the file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6A XT	4	01 <u>2</u> 3	<p>Reason: An invalid library type has been specified in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from the file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6A XV	4	<u>0123</u>	<p>Reason: An invalid operation has been specified in the library maintenance control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement, then the next control statement from the file is processed.</p> <p>1: No further records are read from the file. The next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
DS 6B AB	2	<u>03</u>	<p>Reason: The control statement was valid up to its last position, but is not yet complete.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B CX	2	<u>03</u>	<p>Reason: Invalid continuation. Continuation is not allowed on the PRINT control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B DK	2	<u>03</u>	<p>Reason: Duplicate keyword. The HISTORY keyword was repeated.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B DP	2	<u>03</u>	<p>Reason: A previous valid PRINT control statement has been processed.</p> <p>Recovery 0: Continue. The previous PRINT statement is ignored and the present one used.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DS 6B IC	2	<u>03</u>	<p>Reason: Invalid control statement. Positions 1 through 3 do not contain // blank.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B IH	2	<u>03</u>	<p>Reason: Invalid HISTORY parameter. The HISTORY parameter was not ALL or CURRENT.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B IK	2	<u>03</u>	<p>Reason: Invalid keyword. The keyword was not HISTORY.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B IV	2	<u>03</u>	<p>Reason: Invalid statement identifier. The statement identifier was not PRINT or END.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B NE	2	<u>03</u>	<p>Reason: No END control statement. The last control statement has been processed but no END statement was recognized. This is usually caused by recognizing a /* or a /& instead.</p> <p>Probable user error.</p> <p>Recovery 0: Print the system history area using the last valid control statement, or the default (CURRENT) if there was no valid control statement.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DS 6B NP	2	<u>03</u>	<p>Reason: No parameters in the control statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B NV	2	<u>03</u>	<p>Reason: No statement identifier. The PRINT or END statement identifier is required.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
DS 6B SE	2	<u>03</u>	<p>Reason: Syntax error.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The next control statement is read.</p> <p>3: Immediate cancel.</p>
LM 6C SP	4	<u>023</u>	<p>Reason: Not enough space available on the pack for which allocation is being performed.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is read.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6C SW	4	<u>023</u>	<p>Reason: The space needed on the work pack is not available, or for a MODIFY run, additional work space is not available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is processed. If this is a MODIFY run, the MODIFY request is ignored, records are read through the CEND statement if necessary, and the next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If during a MODIFY run an attempt is made to increase the size of the entry beyond that which would fit into the library, this halt might indicate the library-full condition. This halt will occur if the work pack requested for the ALLOCATE or MODIFY function is not available for use.</p>
EO 6E DP LM 6E DP	4 4	<u>03</u> <u>023</u>	<p>Message Text: "library and module name"</p> <p>Reason: The error occurred when copying an entry. An entry with the same name already exists in the library.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The old entry is deleted and replaced with the new entry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6E OF	4	<u>023</u>	<p>Reason: The error occurred modifying an entry. An overflow has occurred in the sequence field during reserialization.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The high-order digit(s) of the sequence value will be dropped.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6F AF	4	<u>13</u>	<p>Reason: Active files or libraries exist in the specified 5444 simulation area.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6F D1	4	<u>13</u>	<p>Reason: D1 may not be specified as the TO pack in the COPYIPL control statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6F DA	4	<u>13</u>	<p>Reason: The specified simulation area is an area used for program distribution.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6F DN	4	<u>13</u>	<p>Reason: An attempt is being made to rename an area used for program distribution.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6F NF	8	<u>3</u>	<p>Reason: A phase of \$SCOPY that is required to complete the requested function is not on the program pack.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: All modules on the program distribution module whose names begin with \$SC must be on the program pack.</p>
US 6F NI	4	<u>13</u>	<p>Reason: The specified data module is not properly initialized because of one of the following reasons:</p> <ul style="list-style-type: none"> ● The data module has not been initialized by System/3 \$INIT. ● The data module has an incorrect alternate track assignment. ● The data module has an invalid volume label. <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6F UE	8	<u>3</u>	<p>Reason: A programming error occurred in \$SCOPY which makes the continued execution of this program impossible.</p> <p>Try rerunning this program. If this halt recurs, contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6F WA	4	013	Message Text: REQ-"volume ID", MOUNTED-"volume ID", "area code" <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> ↑ Requested volume ID. </div> <div style="text-align: center;"> ↑ Mounted volume ID. </div> <div style="text-align: center;"> ↑ Affected area on disk. </div> </div>
US 6F WA	4	03	

Reason: Invalid area name. The volume ID of the specified 5444 simulation or backup area does not match the volume ID specified in the AREA parameter.

Probable user error.

Recovery 0: The request is ignored and the next control statement is read.

1: Retry. Mount the correct data module and continue.

3: Immediate cancel.

Note: The 1 option is available only if the data module may be removed.

US 6F WP	4	013	Message Text: REQ-"pack name", MOUNTED-"pack name", "unit" <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> ↑ Requested pack. </div> <div style="text-align: center;"> ↑ Mounted pack. </div> <div style="text-align: center;"> ↑ Affected disk unit. </div> </div>
US 6F WP	4	03	

Reason: Invalid data module name. The pack name of the mounted data module does not match the pack name specified in the PACK parameter.

Probable user error.

Recovery 0: The request is ignored and the next control statement is read.

1: Retry. Mount the correct data module and continue.

3: Immediate cancel.

Note: The 1 option is available only if the data module may be removed.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6H DP	4	<u>023</u>	<p>Message Text: "library and module name"</p> <p>Reason: The NEWNAME keyword on the RENAME statement specifies the name of an entry that is already in the directory.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is read.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
EO 6H DT		03	<p>Reason: The overlay linkage editor has detected an attempt to replace a permanent entry with a temporary entry.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the module is punched on the system punch device.</p> <p>3: Immediate cancel.</p>
LM 6H DT	4	<u>023</u>	<p>Message Text: "library and module name"</p> <p>Reason: The library maintenance program has detected an attempt to replace a permanent entry with a temporary entry.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored. Records are read through the CEND statement if necessary, then the next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6J CC	4	<u>123</u>	<p>Reason: Control statements between the RUN and END statements have not been entered or have not been accepted.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6J CS	4	<u>0123</u>	<p>Reason: Control statements between the MODIFY and CEND statements have not been entered or have not been accepted.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is processed.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM 6J NC	4	<u>0123</u>	<p>Reason: Control statements between the COPY and NEND statements have not been entered or have not been accepted.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is read.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UX 6R 01	2	<u>13</u>	<p>Reason: Invalid specification for \$RSALT. An invalid control statement was found or an END statement was not found.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UX 6R 02	2	<u>13</u>	<p>Reason: Invalid specification for \$RSALT. Invalid keyword.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UX 6R 03	2	<u>13</u>	<p>Reason: Invalid specification for \$RSALT. UNIT parameter not recognized.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UX 6R 04 UX 6R 04	2 2	<u>013</u> <u>03</u>	<p>Reason: Invalid specification for \$RSALT. Invalid PACK parameter.</p> <p>Recovery 0: The statement should be reentered after it has been corrected and/or verified.</p> <p>1: Mount the correct pack and retry.</p> <p>3: Immediate cancel.</p> <p>Note: The 1 option is available only if the data module may be removed.</p>
UX 6R 05	2	<u>13</u>	<p>Reason: Invalid specification for \$RSALT. A comma, blank, or quote is missing.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UX 6R 06	2	<u>13</u>	<p>Reason: Invalid specification for \$RSALT. A /* or /& statement was read before the END statement.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UX 6R 07	2	<u>13</u>	<p>Reason: The specified unit is D2 and simulation is on.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p> <p>Note: If you wish to run on unit D2, enter a SIMULATE OFF operator control command before executing \$RSALT.</p>
US 6S DK	2	<u>13</u>	<p>Reason: A control statement for the 3340 simulation area program contains a duplicate keyword.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S IA	2	<u>13</u>	<p>Reason: Invalid AREA keyword. The AREA keyword is not allowed on the COPYIPL control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S IC	2	<u>13</u>	<p>Reason: Invalid CLRNAME keyword. The CLRNAME keyword is not allowed on the COPYAREA, COPYIPL, or NEWNAME control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S IF	2	<u>13</u>	<p>Reason: Invalid FROM keyword. The FROM keyword is not allowed on the NEWNAME control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6S II	2	<u>13</u>	<p>Reason: Invalid ID keyword. The ID keyword is not allowed on the COPYAREA, COPYIPL, or NEWNAME control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S IK	2	<u>13</u>	<p>Reason: Invalid keyword. A control statement for the 3340 simulation area program contains an invalid keyword.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S IN	2	<u>13</u>	<p>Reason: Invalid TONAME keyword. The TONAME keyword is not allowed on the CLEAR or COPYIPL control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S IS	2	<u>13</u>	<p>Reason: Invalid SYSTEM keyword. The SYSTEM keyword is not allowed on the CLEAR, COPYIPL, or NEWNAME control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6S IT	2	<u>13</u>	<p>Reason: Invalid TO keyword. The TO keyword is not allowed on the CLEAR control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S IV	2	<u>13</u>	<p>Reason: Invalid statement identifier for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S IY	2	<u>13</u>	<p>Reason: Invalid TYPE keyword. The TYPE keyword is not allowed on the COPYAREA, COPYIPL, MOVE, or NEWNAME control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S MA	2	<u>13</u>	<p>Reason: Missing AREA keyword. The AREA keyword is always required on the MOVE, COPYAREA, and NEWNAME control statements for the 3340 simulation area program. The AREA keyword is required on the CLEAR control statement if the volume ID of the area being cleared is PID001.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6S MC	2	<u>13</u>	<p>Reason: Missing CLRNAME keyword. The CLRNAME keyword is required on the CLEAR control statement when the area being cleared has not previously been assigned.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S MF	2	<u>13</u>	<p>Reason: Missing FROM keyword. The FROM keyword is required on the CLEAR, COPYAREA, COPYIPL, and MOVE control statements for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S MN	2	<u>13</u>	<p>Reason: Missing TONAME keyword. The TONAME keyword is required on the NEWNAME control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S MP	2	<u>13</u>	<p>Reason: Missing PACK keyword. The PACK keyword is required on the COPYAREA, CLEAR, MOVE, COPYIPL and NEWNAME control statements for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6S MT	2	<u>13</u>	<p>Reason: Missing TO keyword. The TO keyword is required on the COPYAREA, NEWNAME, COPYIPL, and MOVE control statements for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S NP	2	<u>13</u>	<p>Reason: The NAMES control statement contains an invalid parameter. The only valid parameters are PRINT, DISPLAY, BOTH, or blanks.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S NS	2	<u>13</u>	<p>Reason: The area specified in the TO or FROM parameter is not supported on this system.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S PA	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the AREA keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S PC	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the CLRNAME keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6S PF	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the FROM keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S PI	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the ID keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S PN	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the TONAME keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S PP	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the PACK keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S PS	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the SYSTEM keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
US 6S PT	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the TO keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S PY	2	<u>13</u>	<p>Reason: Invalid parameter. The parameter specified for the TYPE keyword is invalid.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
US 6S ST	2	<u>13</u>	<p>Reason: Format, continuation, or punctuation error in a control statement for the 3340 simulation area program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UX 6T 01	2	<u>3</u>	<p>Reason: Invalid \$RSALT attempt. Not enough System/370 alternate tracks are available. In order to use the pack on System/3, you must run \$INIT with TYPE-FORCE specified.</p> <p>Recovery 3: Immediate cancel.</p>
UX 6T 02	2	<u>3</u>	<p>Reason: Invalid \$RSALT attempt. 3340 is not supported on this system configuration.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UX 6T 03	2	<u>3</u>	<p>Reason: Invalid \$RSALT attempt. The 3340 UNIT parameter is not supported for this system configuration.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
UX 6T 04	2	<u>3</u>	<p>Reason: Invalid \$RSALT attempt. The data module specified on the UNIT parameter has not been initialized by System/3.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
LM 6Y NN	4	<u>123</u>	<p>Reason: No NEWNAME keyword when copying an entry to the same library.</p> <p>Probable user error.</p> <p>Recovery 1: Perform one of the following:</p> <ul style="list-style-type: none"> A. Add a NEWNAME keyword and parameter to the COPY statement and reread statement. B. Ignore the request. The next control statement is read. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6 6 BC	4	<u>23</u>	<p>Reason: Invalid character in the source record being placed in the library.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If a module was being replaced, it may have been deleted but the new module will not have been copied into the library.</p>
LM 6 6 CM	4	<u>023</u>	<p>Reason: Invalid object module. The number of records in the module does not agree with the information in the header record for the module or a CEND control statement was found before the end of the module.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Records are read through the CEND statement if one was not just read, then the next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If a module was being replaced, it may have been deleted but the new module will not have been copied into the library.</p>
LM 6 6 ND	4	<u>023</u>	<p>Reason: Error in the records being placed in the library. No data records between the COPY and CEND control statements.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is processed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM 6- BC		01	<p>Reason: An entry containing a blank card or statement is about to be placed in the source or procedure library.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The entry containing blanks is placed in the library. The entry may not be usable. If other blank cards or statements are encountered, they will not be diagnosed.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified.</p>
LM 6' CE	2	<u>123</u>	<p>Reason: A CEND statement was expected but not found.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: For option 2 or 3, if a module was being replaced, it may have been deleted but the new module will not have been copied into the library.</p>
CR 70	4	<u>3</u>	<p>Reason: Too many override statements for the procedure. The maximum is 25.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 71 CR 71	2	<u>023</u> 0	<p>Reason: A statement identifier is missing. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 74	2	<u>3</u>	<p>Reason: A /, or /& statement was found between the LOAD or CALL statement and the RUN statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 75	2	<u>023</u>	<p>Reason: The statement does not contain a //, /&. or a /, in columns 1 and 2, or an * in column 1. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available. If the statement was entered between the CALL and RUN statements, only option 2 and 3 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 75		<u>0</u>	
CR 75	2	<u>23</u>	
CR 77	2	<u>023</u>	<p>Reason: An invalid OCL statement identifier was read. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 77		<u>0</u>	

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 79 CR 79	2	<u>0</u> 23 0	<p>Reason: A continuation of an OCL statement was expected but not received. If the statement was entered after IPL but before the first JOB/ CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 7A LR	4	<u>3</u>	<p>Reason: A second LOAD or CALL statement has been read prior to reading a RUN statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. The OCL read prior to the second LOAD or CALL statement will be ignored. If the LOAD or CALL statement just read belongs to the next program, it must be reread.</p>
CR 7A OV	4	<u>3</u>	<p>Reason: A CALL or JOB statement has been found in the procedure override statements. Either an extra CALL or JOB statement is present, or a RUN statement has been omitted.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. The OCL read prior to the second JOB or CALL statement will be ignored. If the JOB or CALL statement just read belongs to the next program, it must be reread.</p>
CR 7C CR 7C	4	<u>0</u> 23 0	<p>Reason: Incorrect placement of the COMPILE statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 7D	4	<u>023</u>	<p>Reason: A DATE statement has been found within a job step but a job date was already processed.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The DATE statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CR 7E	4	<u>023</u>	<p>Reason: Incorrect placement of the DATE statement. A DATE statement, used to specify a date other than system date, must be between the CALL or LOAD statement and the RUN statement. If not, it must be within the job (between the JOB statement and /.).</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 7F CR 7F	4	<u>0</u> 23 0	<p>Reason: Incorrect placement of the FILE or BSCA statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CR 7H CR 7H	4	<u>0</u> 23 0	<p>Reason: Incorrect placement of the SWITCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CR 7J		023	<p>Reason: A READER statement was found between the LOAD statement and the RUN statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: The reader is not changed.</p>
CI 7L x0	2	<u>2</u> 3	<p>Message Text: "Filename"</p> <p>Reason: No REEL parameter was specified on the FILE statement for the tape input file.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

↑
Number of the
affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7L x1 ↑ Number of the affected tape unit.		0123	<p>Message Text: "Filename"</p> <p>Reason: An input volume of a multi-volume tape file has been used out of the expected order. Input volumes of a multi-volume tape file are expected to be used in the order in which they were created. The input volume can be used out of order by selecting option 0.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Continue processing the tape volume. If this option is selected for a checkpoint program and the program is later restarted, the 0 option should also be selected for the CC HØ Tx halt.</p> <p>1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7L x2 ↑ Number of the affected tape unit.		123	<p>Message Text: "Filename"</p> <p>Reason: A tape input file is not on the tape volume.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7L x3 ↑ Number of the affected tape unit.		123	<p>Message Text: "Filename"</p> <p>Reason: The LABEL parameter on the FILE statement (or the NAME parameter if the LABEL parameter is not specified) does not match the tape input file's label.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7L x4 ↑ Number of the affected tape unit.		123	<p>Message Text: "Filename"</p> <p>Reason: The DATE parameter on the FILE statement does not match the tape input file's creation date.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7L x5 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The record format of the input tape does not match the record format of the file defined in the program and/or by the FILE statement.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7L x6 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The input record length for the tape file does not match the record length of the file defined in the program and/or by the FILE statement.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7L x7 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The input block length for the tape file does not match the block length of the file defined in the program and/or by the FILE statement.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7L x8 ↑ Number of the affected tape unit.		023	<p>Message Text: "Filename"</p> <p>Reason: The last (or only) standard labeled tape used as input is not the last tape volume of the tape file.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. If this option is selected, the last record of the last volume is assumed to be the last record of the file (EOF).</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7L x9 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The tape input file does not contain fixed or variable length records.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7L xA ↑ Number of the affected tape unit.		023	<p>Message Text: "Filename"</p> <p>Reason: An unlabeled or nonstandard labeled input tape file is being processed. The UNIT parameter indicates a multi-volume file, but the REEL parameter does not give the number of volumes the file occupies.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Process the data in the volume mounted on the first unit (first unit given in the UNIT parameter).</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7LxC ↑ Number of the affected tape unit.		23	<p>Reason: SEQNUM-X is specified on the tape FILE statement and the tape was prepositioned to the end of the reel for input. There is no file for input at this location.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7LxE ↑ Number of the affected tape unit.		023	<p>Reason: SEQNUM-X is on the tape FILE statement, indicating that the tape has been prepositioned for input or output by a previous program. However the last program that referenced this tape unit was cancelled. Therefore, the tape may not be positioned as desired.</p> <p>Recovery 0: Ignore and continue.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 7P		0	<p>Message Text: MOUNT NEW PRINTER CHAIN</p> <p>Recovery 0: Continue.</p> <p>Note: This halt will not be logged to the printer.</p>
CR7U	4	<u>3</u>	<p>Reason: A RUN statement was found, but it was not preceded by a LOAD or CALL statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CI 7Y x0	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: REEL-NS cannot be specified on the FILE statement for the output file.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7Y x1		023	<p>Message Text: "Filename"</p> <p>Reason: The standard labeled output tape file requires more volumes than the number specified by the FILE statement's REEL parameter.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Ignore the error and continue. If this option is selected, the next standard labeled volume should be mounted on the tape drive indicated by the x.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Number of the affected tape unit.

Number of the affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI7Yx2		0123	<p>Message Text: "Filename"</p> <p>Reason: The DATE parameter was specified in the FILE statement for the output tape file; however, no output file exists on the tape.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Ignore the error and continue.</p> <p>1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI7Yx3		0123	<p>Message Text: "Filename"</p> <p>Reason: The tape used for output contains an unexpired file.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Ignore the error and continue.</p> <p>1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI7Yx4	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The tape used for output contains a nonexpiring permanent file. The tape must be reinitialized before it can be used for output.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Number of the affected tape unit.

Number of the affected tape unit.

Number of the affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI7Yx5		0123	<p>Message Text: "Filename"</p> <p>Reason: The DATE parameter was specified on the FILE statement, however, the output tape's label does not match the FILE statement's LABEL parameter or NAME parameter if the LABEL parameter was not specified.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Ignore the error and continue.</p> <p>1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI7Yx6		0123	<p>Message Text: "Filename"</p> <p>Reason: The creation date of the file on the output tape does not match the date specified by the FILE statement's DATE parameter.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Ignore the error and continue.</p> <p>1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

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Number of the
affected tape unit.

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affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7Y x7 ↑ Number of the affected tape unit.		123	<p>Reason: A standard labeled file having the specified SEQNUM parameter value (tape FILE statement) is not on this volume. This halt can occur for one of the following reasons:</p> <ul style="list-style-type: none"> • An output file is specified and the SEQNUM parameter is two or more greater than the number in the label of the last file on this volume. • An output file is specified and the SEQNUM parameter matches the number in the label of the first file on the volume. However, the file starts on another volume. • An input file is specified, but a file with the SEQNUM parameter value cannot be found. <p>Recovery 1: Mount the correct volume and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7Y x8 ↑ Number of the affected tape unit.		123	<p>Reason: An unlabeled file having the specified SEQNUM parameter value (tape FILE statement) cannot be found on this reel. This halt can occur for one of the following reasons:</p> <ul style="list-style-type: none"> • An output file is specified and the SEQNUM parameter is two or more greater than the number of the last file on this reel. • An input file is specified but the SEQNUM parameter is larger than the number of the last file on this reel. <p>Recovery 1: Mount the correct reel and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7Y x9 ↑ Number of the affected tape unit.		23	<p>Reason: An attempt is being made to write a file after a multivolume standard labeled file. This is not allowed.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7Y xA ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Reason: Bypass label processing (REEL-BLP on tape FILE statement) is not allowed for an output file.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 7b	2	<u>3</u>	<p>Reason: There are too many control statements. The maximum is 25.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CI 7' x0	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to read from or write to a file that contains spanned records, and the file is not a file created by the basic access method.</p> <p>The file defined in the program may be incorrect or the file attributes may not match the attributes specified by the FILE statement. If an assembler program is being run, the DTF contains incorrect information.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

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Number of the
affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7' x1 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The record format is not specified in the DTF or by the FILE statement's RECFM parameter. If the file is a standard labeled input file, the record format is also not specified by the file label.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7' x2 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The block length is not specified in the DTF or by the FILE statement's BLKL parameter. If the file is a standard labeled input file, the block length is also not specified by the file label.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7' x3 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The record length is not specified in the DTF or by the FILE statement's RECL parameter. If the file is a standard labeled input file, the record length is also not specified by the file label.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7' x4 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The DTF and/or FILE statement defines the record format as fixed or fixed blocked, but the block length is not an integral multiple of the record length.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

CI 7' x5 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The record format specified in the DTF does not match the record format specified by the FILE statement's RECFM parameter.</p> <p>The file defined in the program may be incorrect or the file attributes may not match the attributes specified by the FILE statement. If an assembler program is being run, the DTF contains incorrect information.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
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MESSAGE	SEVERITY	OPTION DEFAULT	TEXT/REASON AND RECOVERY
CI 7' x6 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The block length specified in the DTF does not match the block length specified by the FILE statement's BLKL parameter.</p> <p>The file defined in the program may be incorrect or the file attributes may not match the attributes specified by the FILE statement. If an assembler program is being run, the DTF contains incorrect information.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7' x7 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The record length specified in the DTF does not match the record length specified by the FILE statement's RECL parameter.</p> <p>The file defined in the program may be incorrect or the file attributes may not match the attributes specified by the FILE statement. If an assembler program is being run, the DTF contains incorrect information.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7' x8 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The fixed-length records for the file are less than 18 bytes long.</p> <p>The file defined in the program may be incorrect or the file attributes may not match the attributes specified by the FILE statement. If an assembler program is being run, the DTF contains incorrect information.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7' x9 ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The block length for the file is greater than 32,767 bytes.</p> <p>The file defined in the program may be incorrect or the file attributes may not match the attributes specified by the FILE statement. If an assembler program is being run, the DTF contains incorrect information.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7' xA ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: ASCII data cannot be processed by this program.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7' xC ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Reason: An attempt is being made to process a tape file that contains FORMAT-D records, but the FILE statement does not specify ASCII-YES. FORMAT-D records are valid only for ASCII files.</p> <p>Note: ASCII files cannot be processed on 7-track tape units.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7' xE ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Reason: Unexpected data was read in the file label area (standard labeled tapes). This halt can occur if the header label group is out of sequence, or not of the correct format. The halt can also occur when the system is attempting to position tape to a file and the file being passed over does not have trailer labels. Trailer labels could be missing if the job that created the file was cancelled with a 3 option or if permanent tape write errors occurred when the file was created.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7' xF ↑ Number of the affected tape unit.		023	<p>Message Text: "Filename"</p> <p>Reason: The parameters given for CONVERT, PARITY, and TRANSLATE do not agree with the tape recording technique given in the HDR2 file label on tape. (If this halt occurs for the first volume of a multi-volume input file, it will occur for each volume of the file.)</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 0: Process the tape using the recording technique parameters given in the HDR2 label.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7' xH ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to process a file containing variable length records and CONVERT-ON was not specified (7-track tape only).</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI 7' xJ ↑ Number of the affected tape unit.		123	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to write on tape and the reel is file protected.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p>
CI 7' xJ ↑ Number of the affected tape unit.		23	<p>Probable user error.</p> <p>Recovery 1: Install the file protect ring and retry the operation. This option is allowed when SEQNUM-X is not being used on the tape FILE statement.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 7' xP ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: A permanent tape error has occurred while allocating a tape volume.</p> <p>It could be caused by a permanent I/O read error and option 0 selected for the 2P halt.</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Note: This halt occurs after selecting the 0 option for a 2P halt.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

CI 7' xU ↑ Number of the affected tape unit.	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to process an ASCII file containing variable length records.</p> <p>The file defined in the program may be incorrect or the file attributes may not match the attributes specified by the FILE statement. (If an assembler program is being run, the DTF contains incorrect information.)</p> <p>If a standard labeled tape file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 80		0	<p>Reason: A JOB, LOAD, or CALL statement has been read before the system date was received.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Resubmit all OCL for the present job after supplying a system date.</p>
CR 81 OD			<p>Reason: The LOAD statement has an incorrect number of parameters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 81 ON			<p>Reason: No program name given in the LOAD statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 81 OP			<p>Reason: No parameters found in the LOAD statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 81 OU			<p>Reason: No unit given in the LOAD statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 81 N1			<p>Reason: The first character of the program name is not valid in the LOAD statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 81 N2			<p>Reason: Invalid character in the program name in the LOAD statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 81 N3			<p>Reason: The program name in the LOAD statement exceeds six characters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 81 U1			<p>Reason: Invalid unit specified in the LOAD statement. The unit specified is not R1, R2, F1, or F2.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 81 U2			<p>Reason: F2 or R2 is specified as the unit in the LOAD statement but that unit is not supported.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 83		13	<p>Reason: A LOAD * program is presently running in the other partition.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. (Should be entered after the program in the other partition completes execution.)</p> <p>3: Immediate cancel.</p>
CR 84 01	2	<u>3</u>	<p>Reason: The first character of the procedure name in the CALL statement is invalid.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 84 02	2	<u>3</u>	<p>Reason: Invalid character in the procedure name in the CALL statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 84 03	2	<u>3</u>	<p>Reason: The procedure name in the CALL statement exceeds six characters.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 84 04	2	<u>3</u>	<p>Reason: Invalid unit in the CALL statement. The unit specified is not R1, R2, F1, or F2.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 84 05	2	<u>3</u>	<p>Reason: F2 or R2 is specified as the unit on the CALL statement, but the unit is not supported.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 84 ON	2	<u>3</u>	<p>Reason: The procedure name is not specified on the CALL statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 84 OP	2	<u>3</u>	<p>Reason: No parameters found in the CALL statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 84 OU	2	<u>3</u>	<p>Reason: No unit specified in the CALL statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 85			<p>Reason: A second SWITCH statement has been found. A SWITCH statement has already been specified for this job step.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 86 01			<p>Reason: More than eight characters in the SWITCH statement parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 86 02			<p>Reason: Fewer than eight characters in the SWITCH statement parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 86 03			<p>Reason: A character other than X, 1, or 0 is specified in the SWITCH statement parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 86 04			<p>Reason: No SWITCH statement parameter specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 88	4	<u>3</u>	<p>Reason: The procedure was not found in the source library on the specified unit.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 89		01	<p>Reason: System date already specified.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Ignore the DATE statement.</p> <p>1: Ignore the previous date and accept this date as the system date.</p>
CR 8A 01		0	<p>Reason: The DATE parameter is incorrect in the DATE statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. A correct system date must be given before the first job.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 8A 02		0	<p>Reason: The DATE parameter is missing in the DATE statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. A correct system date must be given before the first job.</p>
CR 8C			<p>Reason: A second DATE statement was found. A DATE statement was already received for this job step.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8E 01			<p>Reason: The date is specified incorrectly in the DATE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8E 02			<p>Reason: The DATE parameter is missing in the DATE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8F 01			<p>Reason: No parameters found in the BSCA statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8F 02			<p>Reason: Abnormal end of BSCA statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8F 03			<p>Reason: Syntax or punctuation error in the BSCA statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8F 04			<p>Reason: Invalid continuation for the BSCA statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 8F 05			<p>Reason: Invalid keyword in the BSCA statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8F 06			<p>Reason: Duplicate keyword in the BSCA statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8F 07			<p>Reason: The line specified in the BSCA statement is not supported.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8F 08			<p>Reason: The line specified in the BSCA statement is not available.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8F 09			<p>Reason: Invalid LINE parameter in the BSCA statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8H	4	<u>3</u>	<p>Reason: More than nine levels of procedures have been called.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR 8J 01		023	<p>Reason: No parameter is specified in the READER statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The system input device is not changed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 8J 02		023	<p>Reason: Invalid device specified in the READER statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The system input device is not changed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CR 8L		023	<p>Reason: The desired system input device is being used by the other partition.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The system input device is not changed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CR 8P		023	<p>Reason: The desired system input device was not defined as part of the system at system generation.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The system input device is not changed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CR 8U IP			<p>Reason: A nonzoned numeric character was found in a HIKEY-P parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8U KL			<p>Reason: The HIKEY parameters in the FILE statement sublist are not the same length.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 8U LO			<p>Reason: The HIKEY parameter length in the FILE statement is greater than 29 characters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8U PL			<p>Reason: The HIKEY-P length in the FILE statement is greater than 15 zoned numeric characters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8U SQ			<p>Reason: The HIKEY parameters in the FILE statement are not in ascending sequence.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 8Y 01 CR 8Y 01	4	<u>023</u> 0	<p>Reason: Invalid keyword in the PUNCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 8Y 02 CR 8Y 02	4	<u>023</u> 0	<p>Reason: Syntax or punctuation error in the PUNCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 8Y 03 CR 8Y 03	4	<u>023</u> 0	<p>Reason: Duplicate keyword in the PUNCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 8Y 04 CR 8Y 04	4	<u>023</u> 0	<p>Reason: Abnormal ending in the PUNCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 8Y 05 CR 8Y 05	4	<u>023</u> 0	<p>Reason: Invalid continuation in the PUNCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 8Y 06 CR 8Y 06	4	<u>023</u> 0	<p>Reason: Invalid CARDNO parameter in the PUNCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 8Y 07 CR 8Y 07	4	<u>023</u> 0	<p>Reason: Invalid DEVICE parameter in the PUNCH statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 8Y 08 CR 8Y 08	4	<u>023</u> 0	<p>Reason: No parameters found in the PUNCH statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 8Y 09 CR 8Y 09	4	<u>023</u> 0	<p>Reason: The device specified in the PUNCH statement is not supported.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 8Y 0A CR 8Y 0A	4	<u>023</u> 0	<p>Reason: Invalid DEFER parameter in the PUNCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only and no response is required.</p>
CR 8Y 0B CR 8Y 0B	4	<u>023</u> 0	<p>Reason: Invalid COPIES parameter in the PUNCH statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 90		03	<p>Reason: A partition has processed a PAUSE statement after IPL but before the first JOB/CALL/LOAD statement, or after the RUN statement. Check the CRT output or the program run sheet for instructions.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p>
CR 91		023	<p>Reason: A partition has processed a PAUSE statement between the LOAD and RUN statements. Check the CRT output or the program run sheet for instructions.</p> <p>Recovery 0: Continue.</p> <p>2: Controlled cancel. The remaining OCL will be read and scanned, but the job step will not be executed.</p> <p>3: Immediate cancel.</p>
CR 92			<p>Reason: A second COMPILE statement has been received for this job step.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 93 AE			<p>Reason: Abnormal end of the COMPILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 93	AP		<p>Reason: Format or punctuation error in the COMPILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 94	DK		<p>Reason: Duplicate keyword in the COMPILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 94	IK		<p>Reason: Invalid keyword in the COMPILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 94	NP		<p>Reason: No parameters specified in the COMPILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95	01		<p>Reason: The SOURCE name in the COMPILE statement does not consist of a single parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95	02		<p>Reason: The first character of the SOURCE name in the COMPILE statement is invalid.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95	04		<p>Reason: The SOURCE name in the COMPILE statement exceeds six characters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95	05		<p>Reason: The UNIT in the COMPILE statement does not consist of a single parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 95 06			<p>Reason: The UNIT parameter in the COMPILE statement is not F1, R1, F2, or R2.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95 07			<p>Reason: F2 or R2 is specified on the UNIT parameter of the COMPILE statement, but the unit is not available.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95 08			<p>Reason: The OBJECT parameter in the COMPILE statement does not consist of a single parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95 09			<p>Reason: The OBJECT parameter in the COMPILE statement is not R1, R2, F1, or F2.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95 0A			<p>Reason: F2 or R2 is specified in the OBJECT parameter on the COMPILE statement, but the unit is not available.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95 0B			<p>Reason: The SOURCE or UNIT parameter in the COMPILE statement is missing.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR 95 0C			<p>Reason: The LINKADD parameter in the COMPILE statement is invalid. The only valid entries are 4000 and 8000.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 95 0D			<p>Reason: The ATTR parameter in the COMPILE statement is invalid.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged and no response is required.</p>
CR 97 01 CR 97 01	2	<u>023</u> 0	<p>Reason: No device specified in the LOG statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 97 02 CR 97 02	2	<u>023</u> 0	<p>Reason: No parameter specified in the LOG statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 97 03 CR 97 03	2	<u>023</u> 0	<p>Reason: The logging device was changed by the other partition.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 97 04	2	023	<p>Reason: Invalid EJECT/NOEJECT parameter on the LOG statement. If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN, this message code is logged only and no response is required.</p>
CR 97 04		0	
<hr/>			
CR 9A			<p>Reason: The indicated action on the last OCL statement will be ignored due to previous OCL statement errors found.</p> <p>Recovery: The message code is logged, and no response is required.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI 9C xU ↑ Number of the affected tape unit.		123	<p>Reason: Volume ID or aggregate ID of the reel does not match tape FILE statement REEL parameter.</p> <p>If a standard labeled file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p>
CI 9C xU ↑ Number of the affected tape unit.		023	<p>Recovery 0: Ignore the error and continue (allowed only if SEQNUM-X was specified on FILE statement).</p> <p>1: Mount the correct reel and retry (allowed only if SEQNUM-X is not specified).</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If option 0 is selected, additional errors may be detected when the file labels are verified.</p>

CI 9C xY ↑ Number of the affected tape unit.		123	<p>Message Text: "Filename"</p> <p>Reason: The type of tape volume or data specified by the FILE statement is incorrect for the mounted volume.</p> <p>If REEL-NS is specified, a nonstandard labeled tape must be mounted. If REEL-NL is specified, an unlabeled tape volume must be mounted. If REEL-name is specified or if no REEL parameter is specified, a standard labeled tape must be mounted.</p> <p>If ASCII-YES is specified, the volume must have been initialized with ASCII-YES. If ASCII-NO is specified or if no ASCII parameter is given, the volume label(s) must not be written in ASCII.</p> <p>If a standard labeled file is being processed and the FILE statement specifies volume identification using the REEL parameter, the volume identification is displayed after the file name.</p> <p>Probable user error.</p> <p>Recovery 1: Mount the correct tape and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 9E CR 9E	2	<u>023</u> 0	<p>Reason: The desired logging device is allocated to the other partition.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9H CC		0	<p>Message Text: CHANGE CARD TO TYPE nnn</p> <p>Reason: A card change is required to the type indicated in nnn. The card type is specified by the CARDNO parameter in the PUNCH statement, or is the default card type specified at system generation if the CARDNO parameter was not given.</p> <p>Recovery 0: NPRO all cards from the punch device, place the required cards in the hopper, and continue.</p>
CR 9H CF		0	<p>Message Text: CHANGE FORM TO TYPE nnn</p> <p>Reason: A forms change is required to the type indicated in nnn. The forms type is specified by the FORMSNO parameter in the PRINTER statement, or is the default forms type specified at system generation if the FORMSNO parameter was not given.</p> <p>Recovery 0: Place the correct forms in the printer and continue.</p>
CR 9J 01 CR 9J 01	2	<u>023</u> 0	<p>Reason: Duplicate keyword in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 9J 02 CR 9J 02	2	<u>023</u> 0	<p>Reason: Invalid keyword in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9J 03 CR 9J 03	2	<u>023</u> 0	<p>Reason: Abnormal ending in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9J 04 CR 9J 04	2	<u>023</u> 0	<p>Reason: Syntax or punctuation error in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 9J 05 CR 9J 05	2	<u>023</u> 0	<p>Reason: Invalid DEVICE parameter in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9J 06 CR 9J 06	2	<u>023</u> 0	<p>Reason: The device specified in the FORMS or PRINTER statement is not supported.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9J 07 CR 9J 07	2	<u>023</u> 0	<p>Reason: Invalid LINES parameter in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 9J 08 CR 9J 08	2	<u>023</u> 0	<p>Reason: Invalid FORMSNO parameter in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9J 09 CR 9J 09	2	<u>023</u> 0	<p>Reason: No parameters specified in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9J 0A CR 9J 0A	2	<u>023</u> 0	<p>Reason: Invalid COPIES parameter in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 9J 0B CR 9J 0B	2	<u>023</u> 0	<p>Reason: Invalid DEFER parameter in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9J 0C CR 9J 0C	2	<u>023</u> 0	<p>Reason: Invalid ALIGN parameter in the FORMS or PRINTER statement.</p> <p>If the statement was entered after IPL, but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR 9J CR 9J	2	<u>023</u> 0	<p>Reason: The other partition has received an IMAGE statement, the other partition is using the printer, print spooling is using the printer, or the printer is allocated to a program that is rolled out from the other partition.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR 9Y CR 9Y	2	023 0	<p>Reason: The desired logging device was not defined as part of the system at system generation.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A0 AE			<p>Reason: Abnormal end of FILE statement, or continuation was indicated but the next statement processed was not the correct continuation statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A0 AP			<p>Reason: Syntax or punctuation error in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A0	HK		<p>Reason: Error found in the HIKEY parameters in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A1	DK		<p>Reason: Duplicate keyword in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A1	IK		<p>Reason: Invalid keyword in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	01		<p>Reason: Invalid NAME parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	02		<p>Reason: Invalid UNIT parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	03		<p>Reason: Invalid PACK parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	04		<p>Reason: Invalid LABEL parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	05		<p>Reason: Invalid RETAIN parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A2 06			<p>Reason: Invalid DATE parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 07			<p>Reason: Invalid RECORDS parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 08			<p>Reason: Invalid TRACKS parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 09			<p>Reason: Invalid LOCATION parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 0A			<p>Reason: Invalid VERIFY parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 AS			<p>Reason: Invalid ASCII parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 BL			<p>Reason: Invalid BLKL parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 CV			<p>Reason: Invalid CONVERT parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A2	DF		<p>Reason: Invalid DEFER parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	DN		<p>Reason: Invalid DENSITY parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	EN		<p>Reason: Invalid END parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	PR		<p>Reason: Invalid PRINT parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	PT		<p>Reason: Invalid PARITY parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	RC		<p>Reason: Invalid RECL parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2	RF		<p>Reason: Invalid RECFM parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A2 RL			<p>Reason: Invalid REEL parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 SP			<p>Reason: Invalid SPLIT parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A2 SQ			<p>Reason: Invalid SEQNUM parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A2	TN		<p>Reason: Invalid TRANSLATE parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A3	NN		<p>Reason: Missing NAME parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A3	NP		<p>Reason: Missing PACK parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A3	NU		<p>Reason: Missing UNIT parameter in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A3	OP		<p>Reason: No parameters in the FILE statement.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged and no response is required.</p>
CR A4	AS		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. ASCII-YES and/or RECFM-D/DB specified for a 7-track tape file.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	AV		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. ASCII-YES specified with RECFM-V or RECFM-VB.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	AY		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. RECFM-D or RECFM-DB specified without ASCII-YES.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A4	CT		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. CONVERT-ON and TRANSLATE-ON specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	DI		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. The UNIT parameter specifies tape, however, disk keywords are also specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	DN		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. DENSITY-800 is specified but not supported on the unit or units specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	DT		<p>Reason: Tape or disk UNIT specified with device independent keywords.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	FS		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. RECFM parameter specifies fixed or fixed blocked records and the block or record length is less than 18, or variable or variable blocked records and the block length is not 4 greater than the record length.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	IL		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. BLKL and/or RECL is incorrect for the RECFM that is specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A4	IP		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. SPLIT or LOCATION filename used with RECORDS and/or TRACKS.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	IR		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. LABEL, DATE, and/or RETAIN specified with REEL-NL, REEL-NS, or REEL-BLP.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	LN		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. The UNIT parameter specifies the 3340; however, a split file keyword or parameter (either LOCATION-filename or SPLIT) is specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	NS		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. Not all units specified are 7-track units.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	PC		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. CONVERT-ON and PARITY-EVEN specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	RC		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. CONVERT-ON was not specified with RECFM-V/VB for a 7-track tape file.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A4	RS		<p>Reason: Invalid combination of keyword parameters in the FILE statement. REEL-NS was specified and SEQNUM parameter was not X or 1.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	SD		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. DENSITY-1600 was specified for a 7-track tape file.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	SL		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. LOCATION is missing or invalid for the SPLIT parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	SM		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. SPLIT was used with multivolume files.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	ST		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. Seven-track tape parameters were given for a 9-track unit.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	SU		<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. SPLIT was used with a 5444 UNIT parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4	TD		<p>Reason: Device independent UNIT parameter specified with disk or tape keywords.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A4 TL			<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. TRACKS and/or LOCATION is incorrect for the device type.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4 TP			<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. The UNIT parameter specifies disk, however, tape keywords are also specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4 TR			<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. Both TRACKS and RECORDS are specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A4 VU			<p>Reason: Invalid combination of keywords and/or parameters in the FILE statement. VERIFY was used with a 5444 UNIT parameter.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A6	1H		<p>Reason: The number of HIKEY parameters in the FILE statement for multi-volume files does not equal the number of PACK parameters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A6	1L		<p>Reason: The number of LOCATION parameters in the FILE statement for multi-volume files does not equal the number of PACK parameters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A6	1R		<p>Reason: The number of RECORD parameters in the FILE statement for multi-volume files does not equal the number of PACK parameters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A6	1T		<p>Reason: The number of TRACK parameters in the FILE statement for multi-volume files does not equal the number of PACK parameters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A6	1U		<p>Reason: The number of UNIT parameters in the FILE statement for multi-volume files does not equal the number of PACK parameters for online files or the specified unit is not available for offline multi-volume files.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A6	4U		<p>Reason: More than four UNIT parameters are specified in the FILE statement for multi-volume files for 5444 disk, 5445 disk, or 3410/3411 tape.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A6 MV			<p>Reason: More than one 5444 UNIT parameter was specified on a system with 3340 disk units.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A6 UP			<p>Reason: The number of UNIT parameters in the FILE statement for multi-volume files is greater than the number of PACK parameters.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A6 UR			<p>Reason: REEL-NAME is specified in the FILE statement for multi-volume files and the number of units is greater than the number of reels for the 3410/3411 tape.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A6 UT			<p>Reason: The number of units is greater than one for a device independent file.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CR A7 01 CR A7 01	2	$\frac{023}{0}$	<p>Reason: No parameters found in the IMAGE statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A7 02 CR A7 02	2	<u>023</u> 0	<p>Reason: The first parameter in the IMAGE statement is invalid.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A7 03 CR A7 03	2	<u>023</u> 0	<p>Reason: The LENGTH parameter in the IMAGE statement is missing.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A7 04 CR A7 04	2	<u>023</u> 0	<p>Reason: The LENGTH parameter in the IMAGE statement is nonnumeric.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A7 05 CR A7 05	2	<u>023</u> 0	<p>Reason: Too many parameters in the IMAGE statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A7 06 CR A7 06	2	<u>023</u> 0	<p>Reason: No NAME parameter specified in the IMAGE statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A7 07 CR A7 07	2	<u>023</u> 0	<p>Reason: No UNIT specified in the IMAGE statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A7 08 CR A7 08	2	<u>023</u> 0	<p>Reason: The first character of the NAME parameter in the IMAGE statement is invalid.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A7 09 CR A7 09	2	<u>023</u> 0	<p>Reason: Invalid character in the source name entry in the IMAGE statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A7 0A CR A7 0A	2	<u>023</u> 0	<p>Reason: The NAME parameter length in the IMAGE statement is greater than six characters.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.

Probable user error.

Recovery 0: Continue. The statement is ignored.

2: Controlled cancel.

3: Immediate cancel.

Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.

CR A7 0C
CR A7 0C

2

023
0

Reason: Unit F2 or R2 is specified on the IMAGE statement but it is not supported.

If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.

Probable user error.

Recovery 0: Continue. The statement is ignored.

2: Controlled cancel.

3: Immediate cancel.

Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A7 0D CR A7 0D	2	<u>023</u> 0	<p>Reason: The IMAGE statement contains one of the following:</p> <ul style="list-style-type: none"> • Character length greater than 120. • Hex length greater than 240. • LENGTH parameter is too long. <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A7 0E CR A7 0E	2	<u>023</u> 0	<p>Reason: The hex length in the IMAGE statement is an odd number.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A7 OF CR A7 OF	2	<u>023</u> 0	<p>Reason: A /& or /. was found in columns 1 and 2 of a data statement, a blank found in column 1 of a data statement, or a data statement is missing.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A7 OG CR A7 OG	2	<u>023</u> 0	<p>Reason: A // was found in columns 1 and 2, however, image data was expected and not received.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A8 01 CR A8 01	2	<u>023</u> 0	<p>Reason: The IMAGE statement on disk is not the first statement in the member.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR A8 02 CR A8 02	2	<u>023</u> 0	<p>Reason: Error in the IMAGE statements on disk. The end of member was reached before sufficient data was received.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR A8 03 CR A8 03	2	<u>023</u> 0	<p>Reason: Error in the IMAGE statements on disk. The member was not found on the specified unit.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR AC CR AC	2	<u>023</u> 0	<p>Reason: Invalid hex character in the chain or train image.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR AH 01 CR AH 01	2	<u>023</u> 0	<p>Reason: Invalid keyword in the NOHALT statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR AH 02 CR AH 02	2	<u>023</u> 0	<p>Reason: Syntax or punctuation error in the NOHALT statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR AH 03 CR AH 03	2	<u>023</u> 0	<p>Reason: No parameters in the NOHALT statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR AH 04 CR AH 04	2	<u>023</u> 0	<p>Reason: Duplicate keyword in the NOHALT statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR AH 05 CR AH 05	2	<u>023</u> 0	<p>Reason: Abnormal ending in the NOHALT statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR AH 06 CR AH 06	2	<u>023</u> 0	<p>Reason: Invalid continuation in the NOHALT statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR AH 07 CR AH 07	2	<u>023</u> 0	<p>Reason: Invalid SEVERITY parameter in the NOHALT statement.</p> <p>If the statement was entered after IPL but before the first JOB/CALL/LOAD statement, only option 0 is available.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the statement was entered between the LOAD and RUN statements, this message code is logged only, and no response is required.</p>
CR AJ		3	<p>Reason: No JOB statement received when spool support is active.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 01	4	<u>3</u>	<p>Reason: No jobname in the JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 02	4	<u>3</u>	<p>Reason: Invalid jobname in the JOB statement. The jobname exceeds eight characters or contains a comma.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 03	4	<u>3</u>	<p>Reason: A JOB statement was found in a procedure.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 04	4	<u>3</u>	<p>Reason: Abnormal end of a JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR AL 05	4	<u>3</u>	<p>Reason: Syntax or punctuation error in the JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 06	4	<u>3</u>	<p>Reason: Invalid keyword in the JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 07	4	<u>3</u>	<p>Reason: Duplicate keyword in the JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 08	4	<u>3</u>	<p>Reason: A JOB statement was found between a LOAD or CALL and RUN statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 09	4	<u>3</u>	<p>Reason: Invalid PRIORITY parameter in the JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 0A	4	<u>3</u>	<p>Reason: Invalid CORE parameter in the JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 0B	4	<u>3</u>	<p>Reason: The amount of main storage requested in the JOB statement is not available.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL 0C	4	<u>3</u>	<p>Reason: Invalid SPOOL parameter in the JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR AL OD	4	<u>3</u>	<p>Reason: The job was loaded in the wrong partition.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL OE	4	<u>3</u>	<p>Reason: Invalid PARTITION parameter in the JOB statement.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AL OF	4	<u>3</u>	<p>Reason: SPOOL-NO was specified but spooling is active in the partition.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CR AB			<p>Reason: The total number of volumes specified on the FILE statement for this job exceeds 40. The total number of volumes is the number of packs specified plus the number of high keys specified plus the number of reels specified plus the number of device independent units specified.</p> <p>Probable user error.</p> <p>Recovery: The message code is logged, and no response is required.</p>
CRA'	4	<u>3</u>	<p>Reason: No space left in the work area. There are too many FILE statements for this step.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C 01		123	<p>Message Text: 2501 HOPPER FEED CHECK</p> <p>Reason: A card was not fed from the hopper.</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Press 2501 STOP. 2. Remove the cards from the hopper. 3. Press 2501 NPRO. If a card enters the stacker, check it for damage and replace if necessary, then place it in the hopper. 4. If a card did not enter the stacker in step 3, check the card(s) being fed from the hopper for damage and replace if necessary. 5. Place the deck back in the hopper. 6. Press 2501 START. 7. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <ol style="list-style-type: none"> 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C01 02		123	<p>Message Text: 2501 READ STATION FEED CHECK</p> <p>Reason: A card is jammed or is not positioned correctly in the card feed path at the read station.</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Press 2501 STOP. 2. Remove the cards from the hopper. 3. Remove the card jam using the procedure in the <i>IBM System/3 Model 15 Operator's Guide, GC21-5075</i>. 4. Repair or replace the two cards taken from the feed path, or if no cards were found in the feed path, the last card from the stacker, and place in the hopper. 5. If only 1 card was taken from the feed path, repair or replace it, and place it in the hopper. 6. Place the deck back in the hopper. 7. Press 2501 START. 8. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C0 03		123	<p>Message Text: 2501 PRE-READ STATION FEED CHECK</p> <p>Reason: A card is jammed or is not positioned correctly in the card feed path at the preread station.</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Press 2501 STOP. 2. Remove the cards from the hopper. 3. Remove the card jam using the procedure in the <i>IBM System/3 Model 15 Operator's Guide, GC21-5075</i>. 4. Repair or replace the card taken from the feed path, or if no cards were found in the feed path, the last card from the stacker, and place it in the hopper. 5. Place the deck back in the hopper. 6. Press 2501 START. 7. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <ol style="list-style-type: none"> 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C0 04		123	<p>Message Text: 2501 INVALID CARD CODE</p> <p>Reason: This could be caused by incorrect coding of information on the card, a damaged card, or cards placed in the hopper incorrectly.</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Remove the cards from the hopper. 2. Remove the last card from the stacker and correct it if it is in error. 3. If the FEED CHECK light is on, remove the card from the feed path using the procedure for removing a card jam in the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. 4. If the FEED CHECK light is not on, press 2501 NPRO. 5. Place the corrected card from the stacker in the hopper followed by the card removed in step 3 or 4. 6. Place the deck back in the hopper. 7. Press 2501 START. 8. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C0 05		123	<p>Message Text: 2501 READ UNEQUAL COMPARE</p> <p>Reason: This could be caused by punching that is off registration, a damaged card, a feeding problem, or the cards in backward or upside down.</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Remove the cards from the hopper. 2. Remove the last card from the stacker and correct it if it is in error. 3. If the FEED CHECK light is on, remove the card from the feed path using the procedure for removing a card jam in the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. 4. If the FEED CHECK light is not on, press 2501 NPRO. 5. Place the corrected card from the stacker in the hopper followed by the card removed in step 3 or 4. 6. Place the deck back in the hopper. 7. Press 2501 START. 8. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C0 06		123	<p>Message Text: 2501 FIBER OPTICS CHECK</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Remove the cards from the hopper. 2. Remove the last card from the stacker and correct it if it is in error. 3. If the FEED CHECK light is on, remove the card from the feed path using the procedure for removing a card jam in the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. 4. If the FEED CHECK light is not on, press 2501 NPRO. 5. Place the corrected card from the stacker in the hopper followed by the card removed in step 3 or 4. 6. Place the deck back in the hopper. 7. Press 2501 START. 8. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <ol style="list-style-type: none"> 3: Immediate cancel. <p>Note: If this halt persists, contact IBM for hardware support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C0 07		123	<p>Message Text: 2501 READ OVERRUN ERROR</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Remove the cards from the hopper. 2. If the FEED CHECK light is on, remove the card from the feed path using the procedure for removing a card jam in the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. 3. If the FEED CHECK light is not on, press 2501 NPRO. 4. Place the card from the stacker in the hopper followed by the card removed in step 3 or 4. 5. Place the deck back in the hopper. 6. Press 2501 START. 7. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <ol style="list-style-type: none"> 3: Immediate cancel. <p>Note: If this halt persists, contact IBM for hardware support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C0 08		123	<p>Message Text: 2501 READ TRANSLATE ERROR</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Remove the cards from the hopper. 2. Remove the last card from the stacker and correct it if it is in error. 3. If the FEED CHECK light is on, remove the card from the feed path using the procedure for removing a card jam in the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. 4. If the FEED CHECK light is not on, press 2501 NPRO. 5. Place the corrected card from the stacker in the hopper followed by the card removed in step 3 or 4. 6. Place the deck back in the hopper. 7. Press 2501 START. 8. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <ol style="list-style-type: none"> 3: Immediate cancel. <p>Note: If this halt persists, contact IBM for hardware support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C0 09		123	<p>Message Text: 2501 READ EMITTER CHECK</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Remove the cards from the hopper. 2. If the FEED CHECK light is on, remove the card from the feed path using the procedure for removing a card jam in the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. 3. If the FEED CHECK light is not on, press 2501 NPRO. 4. Place the card from the stacker in the hopper followed by the card removed in step 3 or 4. 5. Place the deck back in the hopper. 6. Press 2501 START. 7. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: If this halt persists, contact IBM for hardware support.</p>
IR C0 0A		123	<p>Message Text: 2501 NO-OP CHECK</p> <p>Reason: A READ command was accepted but not executed.</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Remove the cards from the hopper. 2. Press 2501 NPRO. If a card enters the stacker, place it in the hopper. 3. Place the deck back in the hopper. 4. Press 2501 START. 5. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: If this halt persists, contact IBM for hardware support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IR C0 10		123	<p>Message Text: 2501 NOT READY.</p> <p>Recovery 1: Press 2501 START; respond with option 1 if the unit record restart function was not selected during system generation; and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IF C1		123	<p>Message Text: 1442 INVALID CARD CODE</p> <p>Reason: Multiple punches were found in rows 1-7 in any card column, or the card was upside down or backwards.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Press 1442 STOP. 2. Remove cards from hopper. 3. Press 1442 NPRO. 4. Remove last two cards from stacker 1. 5. If job is to be continued, proceed with step 6. If not, mark the second-to-last card removed from stacker 1. 6. Examine second-to-last card removed from stacker 1 to see if it is upside down or backwards or if it has multiple punches in rows 1-7 in any column. 7. Correct the card. 8. Place cards from stacker back in hopper. Place all cards which have not been read on top of these. 9. Press 1442 START. 10. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IF C2		123	<p>Message Text: 1442 READ COMPARE ERROR/DATA OVERRUN</p> <p>Reason: A read check was caused by one of the following:</p> <ul style="list-style-type: none"> ● Off-registration punching. ● Damaged card. ● Card upside down or backward. ● 1442 feeding problem. <p>An overrun check occurs when data is lost.</p> <p>Recovery 1: Retry using the following procedure:</p> <ol style="list-style-type: none"> 1. Press STOP on the 1442. 2. Remove the cards from the hopper. 3. Check the 1442 control panel for OVERRUN or the READ CHECK light. 4. Press NPRO on the 1442. 5. Remove the last two cards from stacker 1. 6. If the OVERRUN light was on, go to step 7. If the READ CHECK light was on, check the second-to-last card removed from stacker 1 for: <ul style="list-style-type: none"> ● Off-registration punching. ● Card damage. ● Card upside down or backward. 7. Reproduce the card if damaged. 8. Place the two cards removed from stacker 1 in the hopper. 9. Place the deck removed in step 2 in the hopper. 10. Press START on the 1442. 11. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IF C3 0x		123	<p>Message Text: 1442 PUNCH CHECK/DATA OVERRUN</p> <p>Reason: Extra or missing punches occurred due to a failure of the punch unit or because data was lost when a punch feed command was issued. The error card was in stacker 1.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Check for blank or prepunched cards being punched. If blank cards are used, discard last card from the indicated stacker. Go to step 9. If prepunched cards are used, mark the last card in the indicated stacker. 2. Press 1442 STOP. 3. Remove cards from hopper. 4. Press 1442 NPRO. 5. Place a blank card in hopper. 6. Place last two cards from stacker 1 in hopper. 7. Place deck back in the hopper. 8. Press 1442 START. 9. Respond with option 1 if the unit record restart function was not selected during system generation. 10. If you are using prepunched cards, punch and verify prepunched information from marked card into card immediately following it when job is completed. Discard marked card and place card that followed it into its proper place. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Number of the stacker which will contain the marked card.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IFC4 0x		123	<p>Message Text: 1442 PUNCH CHECK/DATA OVERRUN</p> <p>Reason: Extra or missing punches occurred due to a failure of the punch unit or because data was lost when a PUNCH NO/FEED command was issued.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Press 1442 STOP. 2. Remove cards from hopper. 3. Press 1442 NPRO. 4. Remove the last card from stacker 1. Place it in front of the cards removed from the hopper. 5. Check for blank or prepunched cards being punched. If blank cards are used, discard the card which is now last in stacker 1 and mark the previous card, if any. Go to step 7. If prepunched cards are being used, mark the card which is now last in stacker 1 and place it in the hopper. 6. Place a blank card in the hopper. 7. Place the deck back in the hopper. 8. Press 1442 START. 9. Respond with option 1 if the unit record restart function was not selected during system generation. 10. If you are following the procedure for prepunched cards, go to step 11. If you are following the procedure for blank cards, remove and discard the card following the marked card. 11. If you are using prepunched cards, punch and verify the prepunched information from the marked card into the card immediately following it when the job is completed. Discard the marked card and place the card that followed it back into its proper place. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Number of the stacker which will contain the marked card.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IF C5		123	<p>Message Text: 1442 HOPPER MISFEED</p> <p>Reason: Hopper check. Card was not fed from hopper.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Remove cards from hopper. 2. Check hopper for foreign material. Remove any you find. 3. Check bottom card of deck for damage. Reproduce damaged cards. 4. Remove cards from stacker 1. These cards have been processed. 5. Press 1442 NPRO. 6. If there is a card in stacker 1, remove it and place it in the hopper. In addition, if the hopper check occurred for the first card processed because the 1442 was not ready, place a blank card in the hopper. Remove this card from the deck when the job is completed. 7. Place deck back in hopper. 8. Press 1442 START. 9. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IFC6		123	<p>Message Text: 1442 READ STATION JAM</p> <p>Reason: A read check has been caused by a read station failure or a card jam at read station.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Remove cards from hopper. 2. Open machine covers. 3. Check read station for card jam. If one exists: <ol style="list-style-type: none"> a. Remove jammed card from read station. b. Remove card from the preread station. 4. Close machine cover. 5. Press 1442 NPRO. 6. If no card jam existed, place last two cards from stacker 1 in hopper. If a card jam existed, place last two cards taken from feed path (reproduce them if damaged) in hopper. 7. Place deck back in hopper. 8. Press 1442 START. 9. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IF C7		123	<p>Message Text: 1442 PUNCH STATION JAM</p> <p>Reason: Punch check. Cards are jammed in punch station. A READ operation was being executed.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Remove cards from hopper. 2. Open machine covers. Remove all cards from feed path. Keep these cards in order. 3. Reproduce damaged cards. 4. Close machine covers. 5. Press 1442 NPRO. 6. Place cards removed from feed path in hopper. 7. Place deck back in hopper. 8. Press 1442 START. 9. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IF C8 0x		123	<p>Message Text: 1442 PUNCH STATION JAM</p> <p>Reason: A card is jammed at the punch station. A PUNCH command was being executed.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Remove cards from hopper. 2. Open machine covers. 3. Remove all cards from feed path. Keep these cards in proper sequence. 4. Close machine covers. 5. Press 1442 NPRO. 6. Check for blank or prepunched cards being punched. If blank cards are used, discard cards taken out of feed path, and go to step 10. If prepunched cards are used, reproduce any damaged cards taken from feed path and go to step 7. 7. Mark first card of the two or three removed from feed path. This card has been in the punch station. Place it in the hopper. 8. Place a blank card in hopper. 9. Place remaining cards taken from feed path in hopper. Go to step 11. 10. Mark the first card of the deck removed in step 1, and then place the deck in the hopper. 11. Press 1442 START. 12. Respond with option 1 if the unit record restart function was not selected during system generation. 13. If you are using prepunched cards, punch and verify prepunched information from marked card into card immediately following it when job is completed. Discard marked card and place card that followed it back into its proper place. If you are using blank cards, discard the marked card. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Number of the stacker which will contain the marked card.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IFC9		123	<p>Message Text: 1442 TRANSPORT JAM</p> <p>Reason: A card is jammed in the stacker area.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Remove cards from hopper. 2. Open machine covers. 3. Clear the jammed cards out of stacker transport area. 4. Close machine covers. 5. Reproduce card if it is damaged. 6. Press 1442 NPRO. 7. Place card removed from stacker transport in hopper. 8. Place last two cards from stacker 1 back in hopper. 9. Place deck back in hopper. 10. Press 1442 START. 11. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IF CA		123	<p>Message Text: 1442 EXTRA FEED CYCLE</p> <p>Reason: All cards in the card feed path have advanced one position because of an unrequested feed cycle.</p> <p>Recovery 1: Retry. Follow these recovery procedures:</p> <ol style="list-style-type: none"> 1. Remove cards from hopper. 2. Press 1442 NPRO. 3. Place last three cards from stacker 1 back in hopper. 4. Place deck back in hopper. 5. Press 1442 START. 6. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Recovery 2: Controlled cancel.</p> <ol style="list-style-type: none"> 3: Immediate cancel.
IF CB		123	<p>Message Text: 1442 NOT READY</p> <p>Recovery 1: Press 1442 START; respond with option 1 if the unit record restart function was not selected during system generation; and retry.</p> <ol style="list-style-type: none"> 2: Controlled cancel. 3: Immediate cancel.
OM CC ER		123	<p>Reason: Error returned from the 3881 optical mark reader or from the serial I/O channel, or the 3881 is not ready.</p> <p>Recovery 1: Retry. Clear the error condition at the 3881 operator panel and/or ready the 3881.</p> <ol style="list-style-type: none"> 2: Controlled cancel. 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
OM CENA	4	<u>23</u>	<p>Reason: 3881 optical mark reader message. The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● A 3881 array is not specified in the 3881 DTF. ● Elements in the 3881 array are more than one byte long. ● The 3881 array contains more than or less than 3 elements. ● The device code and/or the attributes in the 3881 array are incorrect. ● The record length specified in the 3881 DTF is smaller than the record length transmitted by the 3881. ● The 3881 is being used by the other partition. ● The 3881 is not attached to the serial I/O channel (SIOC). <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
UD CL 01	4	<u>13</u>	<p>Reason: End of file reached by the 5445 data interchange utility program. A /* or /& was read.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
UD CL 02	4	<u>13</u>	<p>Reason: Error detected by the 5445 data interchange utility program. Columns 1 through 3 of the control statement are not // blank.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UD CL 03	4	<u>13</u>	<p>Reason: Error detected by the 5445 data interchange utility program. The control statement is not END, NEWVTOC, or UPDATE.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>
UD CL 04	4	<u>13</u>	<p>Reason: Error detected by the 5445 data interchange utility program. The pack cannot be interchanged because it is not a System/3 5445 pack with a 50-file VTOC.</p> <p>Recovery 1: Continue with the next control statement.</p> <p>3: Immediate cancel.</p>
UD CL 05	4	<u>013</u>	<p>Reason: The pack for the 5445 data interchange utility program has an incorrect volume label.</p> <p>Recovery 0: Continue. Mount a new pack and retry.</p> <p>1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>
UD CL 06	4	<u>13</u>	<p>Reason: The file indicated for the data interchange utility program has no space for the EOF record.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>
UD CL 07	4	<u>13</u>	<p>Reason: The unit specified for the 5445 data interchange utility program is not supported.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UD CL 08	4	<u>13</u>	<p>Reason: Invalid keyword for the 5445 data interchange utility program.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>
UD CL 09	4	<u>13</u>	<p>Reason: Error detected by the 5445 data interchange utility program. There is a syntax error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>
UD CL 0A	4	<u>13</u>	<p>Reason: Error detected by the 5445 data interchange utility program. No parameters found.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>
UD CL 0C	4	<u>13</u>	<p>Reason: Error detected by the 5445 data interchange utility program. Duplicate keyword found.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>
UD CL 0E	4	<u>13</u>	<p>Reason: Error detected by the 5445 data interchange utility program. Abnormal end of statement.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UD CL OF	4	<u>13</u>	<p>Reason: No files for the 5445 data interchange utility program were found on the pack.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified or continue with the next control statement.</p> <p>3: Immediate cancel.</p>
ML CU		0123	<p>Message Text: SELECT LIST FUNCTION</p> <p>Reason: This halt allows you to select the program option that you want to run.</p> <p>Option 0: Card count only, no listing.</p> <p>1: Single-space with card count.</p> <p>2: Double-space with card count.</p> <p>3: Triple-space with card count.</p> <p>Note: Any other character entered will default to option 2.</p>
MR CU		01234	<p>Message Text: SELECT REPRODUCE FUNCTION</p> <p>Reason: This halt allows you to select the program option that you want to run.</p> <p>Option 0: Read and interpret, print as punched.</p> <p>1: Reproduce, punch a new card deck.</p> <p>2: Reproduce and interpret, punch and print on cards.</p> <p>3: Reproduce with reformatting.</p> <p>4: Reproduce and interpret with reformatting.</p> <p>Note: Any other character entered will default as follows:</p> <p>MFCU/MFCM – Same as option 2. 2501/1442 – Same as option 1.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UE CW 01		13	<p>Reason: End of file was reached by the 1000 file VTOC conversion program. A /* or /& was read.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UE CW 02		13	<p>Reason: An error was detected by the 1000 file VTOC conversion program. Columns 1 through 3 are not // blank.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UE CW 03		13	<p>Reason: An error was detected by the 1000 file VTOC conversion program. The control statement is not NEWVTOC, COMPRESS, OLDVTOC, or END.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UE CW 04		13	<p>Reason: One of the following errors was detected by the 1000 file VTOC conversion program:</p> <ul style="list-style-type: none"> • The specified pack already has a 1000-file VTOC. • On a system supporting 3340, NEWVTOC or OLDVTOC was specified. <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UE CW 05 UE CW 05		013 03	<p>Message Text: REQ.-"pack name", MOUNT-"pack name" "unit"</p> <p style="text-align: center;"> ↑ ↑ ↑ </p> <p style="text-align: center;"> Requested Mounted Affected </p> <p style="text-align: center;"> pack. pack. disk </p> <p style="text-align: center;"> unit. </p> <p>Reason: The pack specified for the 1000 file VTOC conversion program has an incorrect volume label.</p> <p>Recovery 0: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="margin-left: 40px;">1: Mount the correct pack and retry.</p> <p style="margin-left: 40px;">3: Immediate cancel.</p> <p>Note: The 1 option is available only if the pack may be removed.</p>
UE CW 06		13	<p>Reason: A permanent disk error was detected by the 1000 file VTOC conversion program.</p> <p>Recovery 1: The request is ignored and the next control statement is processed. If all control statements have been processed, end of job occurs.</p> <p style="margin-left: 40px;">3: Immediate cancel.</p>
UE CW 07		13	<p>Reason: The unit specified for the 1000 file VTOC conversion program is not supported.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="margin-left: 40px;">3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UE CW 08		13	<p>Reason: An error was detected by the 1000 file VTOC conversion program. Invalid keyword.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UE CW 09		13	<p>Reason: An error was detected by the 1000 file VTOC conversion program. There is a syntax error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UE CW 0A		13	<p>Reason: An error was detected by the 1000 file VTOC conversion program. No parameters found.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UE CW 0C		13	<p>Reason: An error was detected by the 1000 file VTOC conversion program. Duplicate keyword found.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UE CW 0E		13	<p>Reason: An error was detected by the 1000 file VTOC conversion program. Abnormal end of statement.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Immediate cancel.</p>
UE CW 0F		13	<p>Reason: An error was detected by the 1000 file VTOC conversion program. More than 50 active files are on the pack specified on the OLDVTOC statement.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UM CY DW		13	<p>Message Text: ERRORS DETECTED xx</p> <p>Reason: Errors in the system or stacker specifications. xx indicates the following error conditions:</p> <ul style="list-style-type: none">03 Document count condition invalid.05 Invalid field defined.06 Invalid modules check entry.07 Control field entry invalid.08 EOF field entry invalid.10 Stacker code invalid.12 Invalid stacker number.13 Validity test entry is invalid.14 Field number subentry is invalid.15 Invalid comparison condition entry.16 Negative entry invalid.19 Field length subentry invalid.20 Relative position subentry is invalid.21 Relative position plus the field length is greater than the field length defined.22 Field length subentry not equal to the test character length.23 Test characters are invalid. <p>Recovery 1: Continue. Test is ignored.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: More than one error may be indicated by one ERRORS DETECTED xx xx xx message.</p>
ST C-	4	<u>3</u>	<p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none">● Severe or terminal errors were found in the tape sort sequence specifications.● The sort job's FILE statement is incorrect.● When restarting from a checkpoint, the user has specified incorrect restart information, mounted the wrong tapes, or changed the FILE statement or sequence specification.● The partition size is insufficient for sort. <p>Recovery 3: Immediate cancel.</p>
UM C' DC		1	<p>Reason: An S (S indicates stop) has been entered in column 6 of the system specification and a stacker indicated in columns 3 and 4 of a stacker specification has met the document count condition.</p> <p>Recovery 1: Perform the action indicated on the program run sheet and continue.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DO DI IO	2	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: The I/O area is not on a 256-byte boundary for device independent file.</p> <p>Recovery 3: Immediate cancel.</p>
DO DI IN	2	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: A device-independent input file is assigned to an output only device.</p> <p>Recovery 3: Immediate cancel.</p>
DO DI MV	2	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: Multi-volume disk file is not supported by device independent data management.</p> <p>Recovery 3: Immediate cancel.</p>
DO DI OU	2	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: A device independent output file is assigned to an input only device.</p> <p>Recovery 3: Immediate cancel.</p>
MS EO		03	<p>Message Text: END OF FIRST SORT PASS WITH OMIT</p> <p>Reason: End of first pass of sort with omits. The following message is printed on the system print device.</p> <p>Feed stack 1 to pri — stack 3 to sec. Set aside cards from stacks 2 and 4.</p> <p>Recovery 0: Continue as follows:</p> <ul style="list-style-type: none">● Follow printed instructions.● Ready I/O device. <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MS E1		03	<p>Message Text: PRIMARY CARD OUT OF SEQUENCE</p> <p>Reason: Cards from the primary hopper are out of sequence for the merge, match, or select function of the sort/collate program.</p> <p>Probable user error.</p> <p>Recovery 0: Follow the procedure for the function being used:</p> <p>Select</p> <ul style="list-style-type: none"> ● Clear cards from the device. ● Correct the sequence problem. ● Place the properly sequenced cards (those from the primary hopper plus those run out) in the primary hopper. ● Continue with the program. <p>Merge or Match</p> <ul style="list-style-type: none"> ● Clear cards from the device. ● Correct the sequence problem in the cards from the primary. ● Place the properly sequenced primary cards (those from the hopper plus those run out) in the primary hopper. ● Place the cards removed from the secondary (those from the secondary hopper plus those run out) in the secondary hopper. ● Continue with the program. <p>Recovery 3: Immediate cancel. Select this option if you cannot correct the card sequence. Mark the card or cards in error and return the deck or decks to the programmer.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MS E2		03	<p>Message Text: SECONDARY CARD OUT OF SEQUENCE</p> <p>Reason: Cards from the secondary hopper are out of sequence for the merge or match function of the sort/collate program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue as follows:</p> <ul style="list-style-type: none"> ● Clear cards from the device. ● Correct the sequence problem in the cards from the secondary. ● Place the properly sequenced secondary cards (those from the secondary hopper plus those run out) in the secondary hopper. ● Place the cards removed from the primary (those from the primary hopper plus those run out) in the primary hopper. ● Continue with the program. <p>Recovery 3: Immediate cancel. Select this option if you cannot correct the card sequence. Mark the card or cards in error and return the decks to the programmer.</p>
MS E3		03	<p>Message Text: OMIT CARD IN INTERMEDIATE PASS</p> <p>Reason: A card that should have been removed on the first pass has been found on an intermediate pass of a sort/collate job.</p> <p>Probable user error.</p> <p>Recovery 0: Remove the last card in stacker 4. This is the card that should have been removed on the first pass.</p> <p><i>Note:</i> If the same halt occurs again, there is a chance OMIT cards that should have been removed have been placed back in the hopper. If you can identify these cards, remove them now and continue.</p> <p>Recovery 3: Immediate cancel. If you cannot determine which cards were omitted, clear the card device and rerun the program.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MS E5	2	<u>3</u>	<p>Message Text: ERROR, ALT SEQ STATEMENT</p> <p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● Alternate collating sequence card missing. ● Separator card that must follow the last alternate collating sequence card missing. The separator card has asterisks, *, in columns 1 and 2. ● Entry in columns 1 through 8 of alternate collating sequence card not ALTSEQ blank blank. <p>The system print device prints the following message:</p> <p style="text-align: center;">INVALID ALTERNATE COLLATING SEQUENCE CARD</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p> <ol style="list-style-type: none"> 1. Clear the cards from the I/O device. 2. Do one of the following: <ul style="list-style-type: none"> – If the alternate collating sequence cards are missing, get them from the programmer and rerun the job. – Correct the entry in columns 1 through 8 of the mispunched card to ALTSEQ blank blank and rerun the job. – Place a separator card in the specification deck following the last alternate collating sequence card and rerun the job. – Return the job, including the program printout, to the programmer. <p>Note: For a description of the E5 message display unit halt, see <i>Message Display Unit Halts</i>.</p>

MG E6 50 or MG E6 51		03	<p>Message Text: MASTER FILE SEQUENCE ERROR</p>
		03	<p>Message Text: DETAIL FILE SEQUENCE ERROR</p> <p>Reason: A sequence error was detected in the master or the detail file.</p> <p>Recovery 0: Continue. The card causing the sequence error is selected to the normal stacker. The control field information for sequence checking of the next card in the file is compared with the data in the card that caused the sequence error.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MG E6 52 or MG E6 53	2	<u>0</u>	<p>Message Text: UNMATCHED MASTER CARD</p> <p>Message Text: UNMATCHED DETAIL CARD</p> <p>Reason: An unmatched card was detected in the master or the detail file and stop on unmatched was specified in column 38 of the control card.</p> <p>Recovery 0: Continue. The unmatched card is selected as specified in columns 40 and 42 of the control card. The program reads the next card from the file that is less advanced in sequence.</p>
MG E6 54		03	<p>Message Text: INVALID VARIABLE COUNTER</p> <p>Reason: Counting with variable limits has been specified and the starting number is larger than the ending number when counting is in ascending sequence. This fault also occurs if the starting number is less than the ending number when counting in descending sequence.</p> <p>Recovery 0: Continue. The master card causing the error must be treated as if a read error has occurred when reading it. Follow the restart procedure for the particular device. If a control field was used, the same field must be used in the card replacing the error card.</p> <p>3: Immediate cancel.</p>
MG E6 55	4	<u>03</u>	<p>Message Text: REVIEW WARNING MESSAGES</p> <p>Reason: Warning messages have occurred. Review the warning messages printed on the system print device.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p>
MG E6 56	2	<u>3</u>	<p>Message Text: ERRORS IN SPECIFICATIONS</p> <p>Reason: Terminal errors have occurred.</p> <p>Recovery 3: Immediate cancel.</p>
MG E6 57	4	<u>03</u>	<p>Message Text: MASTER CARD MISSING</p> <p>Reason: The first card in an intermixed processing operation is not a master record.</p> <p>Recovery 0: Correct the card and continue.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DK E7 GT	2	<u>03</u>	<p>Reason: The record length specified on the 3741 FILE statement is greater than the record length of the file defined by the program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for subsequent files will be checked for errors; then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DK E7 NE	2	<u>03</u>	<p>Reason: The record length specified on the 3741 FILE statement is not equal to the record length of the file defined by the program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for subsequent files will be checked for errors; then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DK E7 SP	2	<u>03</u>	<p>Reason: The record length defined by the program is not 96 bytes for the 3741 when spooling is used.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for subsequent files will be checked for errors; then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DK E7 WL	2	<u>03</u>	<p>Reason: An invalid record length was specified for the 3741. The program specified a record length that is not in the range from 1 through 128 bytes.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for subsequent files will be checked for errors; then halt 4J will occur.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UT E8 x1	2	<u>13</u>	<p>Reason: Error in the tape initialization program's VOL statement. The tape unit is not supported.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 52	2	<u>13</u>	<p>Reason: Error in the tape initialization program's VOL statement. The statement read is not a control or comment statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 53	2	<u>13</u>	<p>Reason: Invalid or duplicate keyword in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 56	2	<u>13</u>	<p>Reason: Syntax error in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 57	2	<u>13</u>	<p>Reason: Missing or invalid parameter in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

↑
Number of the
tape unit specified
but not supported.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UT E8 63	2	<u>13</u>	<p>Reason: Invalid or missing REEL parameter in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 64	2	<u>13</u>	<p>Reason: A duplicate unit has been specified in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 65	2	<u>13</u>	<p>Reason: Invalid or missing UNIT parameter in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 66	2	<u>13</u>	<p>Reason: Invalid TYPE parameter in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 67	2	<u>13</u>	<p>Reason: Invalid ID parameter in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UT E8 68	2	<u>13</u>	<p>Reason: A valid VOL statement was not read before the END statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 69	2	<u>13</u>	<p>Reason: Invalid ASCII parameter in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E8 70	2	<u>13</u>	<p>Reason: Invalid DENSITY parameter in the VOL statement for the tape initialization program.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
UT E9 x2	4	<u>03</u>	<p>Reason: An error has occurred during execution of the tape initialization program. An active file exists and TYPE-CHECK is specified.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is processed. If all control statements have been processed, end of job occurs.</p> <p>3: Immediate cancel.</p>
UT E9 x3	4	<u>03</u>	<p>Reason: End-of-tape mark was recognized while the tape initialization program was writing volume label.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is processed. If all control statements have been processed, end of job occurs.</p> <p>3: Immediate cancel.</p>

Number of the affected tape unit.

Number of the affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UT E9 x4 ↑ Number of the affected tape unit.	4	<u>03</u>	<p>Reason: The tape unit requested for the tape initialization program is being used by the other program partition.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is processed. If all control statements have been processed, end of job occurs.</p> <p>3: Immediate cancel.</p>
UT E9 x5 ↑ Number of the affected tape unit.	4	<u>03</u>	<p>Reason: An error has occurred during execution of the tape initialization program. TYPE-CHECK or TYPE-DISPLAY was specified for an unlabeled tape or for a tape file with nonstandard labels.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is processed. If all control statements have been processed, end of job occurs.</p> <p>3: Immediate cancel.</p>
UT E9 x6 ↑ Number of the affected tape unit.	4	<u>03</u>	<p>Reason: A permanent I/O error has occurred for the tape initialization program.</p> <p>Recovery 0: Continue. The request is ignored and the next control statement is processed. If all control statements have been processed, end of job occurs.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MS EA	2	<u>3</u>	<p>Message Text: SORT/COLLATE SPECIFICATION ERROR</p> <p>Reason: Errors in the sort/collate specification deck. The error messages are printed on the system print device, accompanied by the following message:</p> <p style="text-align: center;">ERRORS IN SOURCE DECK, JOB TERMINATED</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
MS EE		03	<p>Message Text: SORT/COLLATE LOADED SUCCESSFULLY</p> <p>Reason: The sort/collate program is ready for execution.</p> <p>Recovery 0: Continue as follows for the function desired:</p> <p>Sort:</p> <ul style="list-style-type: none"> ● Divide the deck to be sorted and place approximately half in the primary hopper and the remainder in the secondary hopper. ● Place an end-of-file card (/*) behind each deck. ● Press START on the I/O device. <p>Merge and match:</p> <ul style="list-style-type: none"> ● Place the primary file in the primary hopper. ● Place the secondary file in the secondary hopper. ● Place an end-of-file card (/*) behind each deck. ● Press START on the I/O device. <p>Select:</p> <ul style="list-style-type: none"> ● Place the data deck in the primary hopper. ● Place an end-of-file card (/*) behind the deck. ● Press START on the I/O device. <p><i>Note:</i> If the OCL and specification cards are not removed for the first pass, be sure and remove them before attempting a subsequent pass.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MS EF 01		03	<p>Message Text: END-OF-FILE CARD 1ST CARD READ</p> <p>Reason: End-of-file (/*) cards were the first cards processed for an intermediate pass of a sort job.</p> <p>Probable user error.</p> <p>Recovery 0: Continue as follows:</p> <ul style="list-style-type: none"> ● Clear the cards from the I/O device. ● Remove the end-of-file cards and place the data cards that were run out in front of the data cards in their respective hopper. ● Press START on the I/O device. <p>3: Immediate cancel.</p>
MS EF 02	2	<u>3</u>	<p>Message Text: END-OF-FILE CARD READ</p> <p>Reason: A /& or a /. card was read. This blocks any more reads from the I/O device.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. The sort/collate program must be reloaded and the specification cards reentered to complete the sort operation.</p>
MS EH	2	<u>03</u>	<p>Message Text: FIRST CARD IS NOT HEADER</p> <p>Reason: No header card for the sort/collate program. The first specification card does not have an H in column 6.</p> <p>Recovery 0: Continue as follows:</p> <ul style="list-style-type: none"> ● Clear the cards from the I/O device. ● Place the header specification card in front of the other specification cards. ● Place the cards in the hopper. (Do not include the OCL cards.) ● Press START on the I/O device. <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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CT EJ

Message Text: PROGRAM END

Recovery: Take the blank option to process the next program in this partition.

Notes: In NOHALT mode, the EJ message will be logged in the system history area but the message will not be displayed on the CRT.

If interval timer support was specified during system generation, the message text will be:

xx/xx/xx hh:mm:ss hh:mm:ss

The fields are job start date , job start time, and job stop time, respectively; where:

xx/xx/xx=date in format specified during system generation
 hh=hour, mm=minute, ss=second

CT EJ

Message Text: PROGRAM END ***** OPTION n

Reason: An error occurred during this program. The n in the message text indicates the option (2 or 3), that was selected for the error.

Recovery: Take the blank option to process the next program in this partition.

Note: If interval timer support was specified during system generation, the message text will be:

xx/xx/xx hh:mm:ss hh:mm:ss OPTION n

The fields are job start date, job start time, job stop time, and the option taken (2 or 3) respectively; where:

xx/xx/xx=date in format specified during system generation
 hh=hour, mm=minute, ss=second

MS EJ

Message Text: xxxxxx COMPLETED (where xxxxxx will be SORT, MERGE, MATCH, or SELECT)

Reason: End of job. This message is logged in the system history area but not displayed on the CRT.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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CT EJ ʘR

Message Text: PROGRAM END ***** OPTION n

Reason: An error occurred during this program. The n in the message text indicates the option (2 or 3) that was selected for the error. A system input device read through did not take place for one of the following reasons:

- Partition is still in IPL mode (no OCL statements have been read yet).
- System input device is at I/O attention.
- System input device is being used by the other partition.
- Operator took a 2 or 3 option to a halt during a read through.

Recovery: Reposition cards in the system input device. Take the blank option to process the next program in this partition.

Note: If interval timer support was specified during system generation, the message text will be:

xx/xx/xx hh:mm:ss hh:mm:ss OPTION n

The fields are job start date, job start time, job stop time, and the option taken (2 or 3) respectively; where:

xx/xx/xx=date in format specified during system generation
hh=hour, mm=minute, ss=seconds

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MS EL.		03	<p>Message Text: REVIEW WARNING MESSAGES</p> <p>Reason: Sort/collate warning messages are printed. The job can be continued, however, you should refer to the program run sheet for instructions for the warning messages.</p> <p>Recovery 0: Continue as follows for the function desired:</p> <p>Sort:</p> <ul style="list-style-type: none"> ● Divide the deck to be sorted and place approximately half in the primary hopper and the remainder in the secondary hopper. ● Place an end-of-file card (/*) behind each deck. ● Press START on the I/O device. <p>Merge and match:</p> <ul style="list-style-type: none"> ● Place the primary file in the primary hopper. ● Place the secondary file in the secondary hopper. ● Place an end-of-file card (/*) behind each deck. ● Press START on the I/O device. <p>Select:</p> <ul style="list-style-type: none"> ● Place the data deck in the primary hopper. ● Place an end-of-file card (/*) behind the deck. ● Press START on the I/O device. <p><i>Note:</i> If the OCL and specification cards are not removed for the first pass, be sure and remove them before attempting a subsequent pass.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MS EP		03	<p>Message Text: END OF PASS OF SORT JOB</p> <p>Reason: The sort/collate program has just completed a sort pass. One of the following messages will be printed:</p> <p>**FOUR STACKERS**STACKS 1, 2 TO PRI-STACKS 3, 4, TO SEC</p> <p>**THREE STACKERS**SHORT STRINGS TO PRI AND SEC -- CLEAR STACK 1</p> <p>**TWO STACKERS**FEED STACK 1 TO PRI-STACK 3 TO SEC</p> <p>**ONE STACKER, FOLLOWING THREE STACKER PASS**ONE STRING TO PRI AND OTHER TO SEC</p> <p>Recovery 0: Continue as follows:</p> <ul style="list-style-type: none"> ● Follow the printed instructions. ● Remember to remove the end-of-file cards from the previous pass if they are not already removed. ● Press START on the I/O device. <p>3: Immediate cancel.</p>

CT ES

Message Text: PROGRAM END

Reason: Normal end of a job step.

Recovery: Take the blank option to process the next step in this partition.

Notes: In NOHALT mode the ES message will be logged in the system history area but the message will not be displayed on the CRT.

If interval timer support was specified during system generation, the message text will be:

xx/xx/xx hh:mm:ss hh:mm:ss

The fields are job step start date, job step start time and job step stop time, respectively; where:

xx/xx/xx=date in format specified during system generation
hh=hours, mm=minutes, ss=seconds

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CT ES			<p>Message Text: PROGRAM END ***** OPTION n</p> <p>Reason: An error occurred during this job step. The n in the message text indicates the option (2 or 3) that was selected for the error.</p> <p>Recovery: Take the blank option to process the next job step in this partition.</p> <p>Note: If interval timer support was specified during system generation, the message text will be:</p> <p style="padding-left: 40px;">xx/xx/xx hh:mm:ss hh:mm:ss OPTION n</p> <p>The fields are job step start date, job step start time, job step stop time, and the option taken; where:</p> <p style="padding-left: 40px;">xx/xx/xx=date in format specified during system generation hh=hours, mm=minutes, ss=seconds</p>
DD EV			<p>Message Text: "Filename" EOv xx</p> <p>Reason: End of volume has been reached for the volume indicated by xx in the message text.</p> <p>Recovery: Continue. The blank option deletes the message from the CRT.</p>
ST E-		03	<p>Reason: The debug dump has ended.</p> <p>Recovery 0: Continue.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
MI E'		02	<p>Reason: The 1255 magnetic character reader has stopped for one of the following reasons:</p> <ul style="list-style-type: none"> ● The 1255 is jammed. ● A stacker stop has occurred. A stacker is full or a stacker select stop has occurred. ● The hopper is empty. ● The operator has stopped the 1255. <p>Recovery 0: Correct the condition that caused the stop and continue normal processing.</p> <p style="padding-left: 40px;">2: Controlled cancel. Records in the buffer are processed and the job is cancelled.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM F0		123	<p>Message Text: MFCU FEED CHECK n CARDS STACKER n</p> <p>Reason: One or more cards are jammed or incorrectly positioned in the card feed path.</p> <p>Recovery 1:</p> <ol style="list-style-type: none"> 1. Open MFCU top covers. 2. Remove card from primary, upper, wait station if present, and place it under the cards in primary hopper. Read <i>Clearing a Card Jam</i> in the operator's guide if you are not familiar with how to physically remove the cards from the card feed path. 3. Remove all remaining cards from card feed path, starting at area between hopper and wait station and progressing through print unit area. Keep cards face down and in order, with the card removed from the print unit area on the bottom. <p>Note: If the light indicators 7, 8, 10, or 12 in the MFCU operator's panel are lit, replace the card that will be found between the punch station and corner station with a blank card if a blank card is there or with a prepunched card if a prepunched card is there.</p> 4. Check the message. The message indicates the number of cards that must be placed back in the secondary hopper. If the number of cards removed from the card feed path in step 3 is equal to the number in the message, go to step 6. 5. If the number of cards removed is less than the number in the message, you must reposition the last cards in the stacker indicated in the message. For example, if you removed two cards from the card feed path, and the message was MFCU FEED CHECK 3 CARDS STACKER 4, this indicates the last card in stacker 4 must be placed in the secondary hopper.

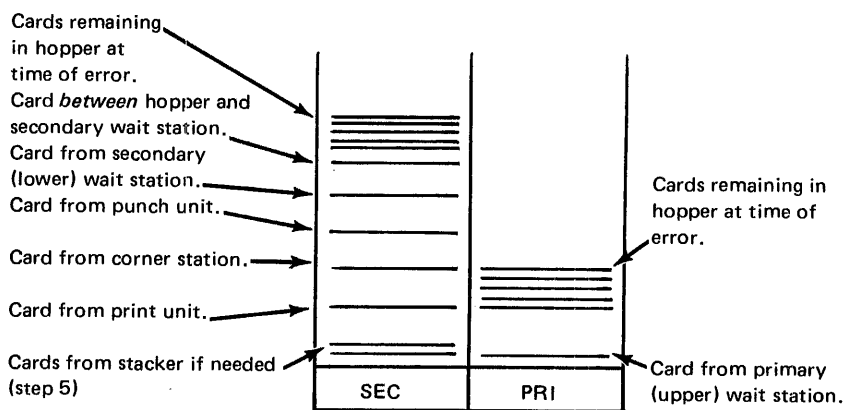
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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IM FD

(continued)

- The cards must be placed in the hopper in the following order:



- When cards are positioned in hopper in correct order, close MFCU covers.
- Raise cards in primary hopper and press NPRO to turn off error indicator on MFCU panel. If error indicator does not turn off, raise cards in secondary hopper and press NPRO.
- Press MFCU START.
- Respond with option 1 if the unit record restart function was not selected during system generation.

Recovery 2: Controlled cancel.

3: Immediate cancel.

Note: Clear all error indications on the MFCU before selecting option 2 or 3.

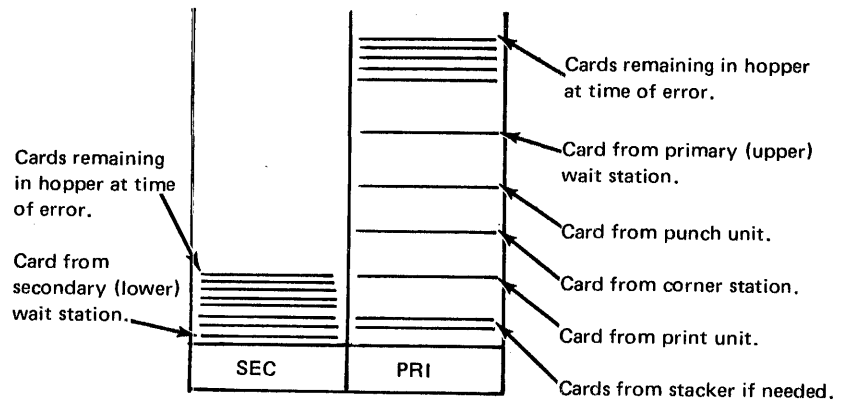
MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM F1		123	<p>Message Text: MFCU FEED CHECK n CARDS STACKER n</p> <p>Reason: One or more cards are jammed or incorrectly positioned in the card feed path.</p> <p>Recovery 1:</p> <ol style="list-style-type: none"> 1. Open MFCU top covers. 2. Remove card from secondary, lower, wait station if present, and place it under any cards in secondary hopper. Read <i>Clearing a Card Jam</i> in the operator's guide if you are not familiar with how to physically remove the cards from the card feed path. 3. Remove all remaining cards from card feed path, starting at area between hopper and wait station and progressing through print unit area. Keep cards face down and in order, with the card removed from the print unit area on the bottom. <p><i>Note:</i> If the light indicators 7, 8, 10, or 12 in the MFCU operator's panel are lit, replace the card that will be found between the punch station and the corner station with a blank card if a blank card is there or with a prepunched card if a prepunched card is there.</p> 4. Check the message. The message indicates the number of cards that must be placed back in the primary hopper. If the number of cards removed from the feed path in step 3 is equal to the number in the message, go to step 6. 5. If the number of cards removed is less than the number in the message, you must reposition the last cards in the stacker indicated in the message. For example, if you removed two cards from the card feed path, and the message was MFCU FEED CHECK 3 CARDS STACKER 4, this indicates that the last card in stacker 4 must be placed in the primary hopper.

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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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IM F1
(continued)

6. The cards must be placed in the hoppers in the following order:



7. When cards are positioned in hoppers in correct order, close MFCU covers.
8. Raise cards in primary hopper and press NPRO to turn off error indicator on MFCU panel. If error indicator does not turn off, raise cards in secondary hopper and press NPRO.
9. Press MFCU START.
10. Respond with option 1 if the unit record restart function was not selected during system generation.

Recovery 2: Controlled cancel.

3: Immediate cancel.

Note: Clear all error indications on the MFCU before selecting option 2 or 3.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM F2		123	<p>Message Text: MFCU HOPPER CHECK</p> <p>Reason: MFCU hopper check. Card not fed from hopper.</p> <p>Recovery 1:</p> <ol style="list-style-type: none"> 1. Check MFCU. The SEC or PRI light tells you which hopper failed to feed a card. 2. Straighten cards in hopper. If necessary, correct damaged cards. 3. Press MFCU START. 4. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCU before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM F3		123	<p>Message Text: MFCU READ CHECK</p> <p>Reason: MFCU read check caused by:</p> <ol style="list-style-type: none"> 1. Damaged card, 2. Information recorded incorrectly on card, 3. MFCU feed problem, or 4. Cards incorrectly placed in hopper. <p>Recovery 1:</p> <ol style="list-style-type: none"> 1. Check MFCU. The SEC and PRI light tells you which hopper fed the card that caused the halt. 2. Press MFCU STOP. 3. Raise cards in indicated hopper. Press NPRO. One card is fed into stacker 1. 4. If halt is caused by cards being placed in hopper wrong, reposition cards. Place card from stacker 1 ahead of deck and place deck in hopper face down, top edge to left. If halt is caused by a damaged or mispunched card, replace card and place new card under cards in hopper from which card was fed. 5. Press MFCU START. 6. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCU before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM F4 PC		123	<p>Message Text: MFCU PUNCH CHECK, STACKER n</p> <p>Reason: There are extra or missing punches in the card in stacker n (n is indicated in the message text).</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none">1. Check the SEC or PRI light on the MFCU to determine which hopper held the card which caused the halt.2. Press MFCU STOP.3. Raise the cards in the hopper which fed the last card and press NPRO. One card is fed into stacker 1.4. If blank cards are being punched, remove the last card in the stacker indicated by the message text and the card fed into stacker 1 in step 3. Go to step 7.5. If prepunched cards are being punched, remove the card that NPRO placed in stacker 1. Mark the last card which is in the stacker indicated in the message text.6. Place a blank card, followed by the NPRO card that was in stacker 1 under the cards in the hopper.7. Press MFCU START.8. Respond with option 1 if the unit record restart option was not selected during system generation.9. If you are punching into prepunched cards, perform the following when the job is completed:<ul style="list-style-type: none">● Punch and verify the prepunched information from the marked card into the card immediately following it.● Discard the marked card and place the new card in the deck in its place. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCU before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM F4 PI		023	<p>Message Text: MFCU PUNCH INVALID, STACKER n</p> <p>Reason: MFCU punch invalid. A character which is not one of the 64 characters recognized by System/3 has been specified to be punched by the MFCU into the card in the stacker indicated by the message text.</p> <p>Recovery 0:</p> <ol style="list-style-type: none"> 1. Mark last card in indicated stacker. 2. Press MFCU START. <p>Processing continues. The marked card will need to be corrected.</p> <ol style="list-style-type: none"> 2: Controlled cancel. 3: Immediate cancel. <p>Note: Clear all error indications on the MFCU before selecting option 2 or 3.</p>
IM F5 RO		123	<p>Message Text: MFCU READ OVERRUN</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> 1. Check the MFCU. The SEC and PRI lights indicate the hopper which fed the card that caused the halt. 2. Press MFCU STOP. 3. Raise the cards in the indicated hopper and press NPRO. One card is fed to stacker 1. 4. Place the card from stacker 1 in front of the cards in the indicated hopper. 5. Press MFCU START. 6. Respond with option 1 if the unit record restart function was not selected during system generation. <ol style="list-style-type: none"> 2: Controlled cancel. 3: Immediate cancel. <p>Note: Clear all error indications on the MFCU before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM F5 PO		123	<p>Message Text: MFCU PUNCH/PRINT OVERRUN, STACKER n</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> 1. Mark the last card in each stacker being used for output. If in doubt, mark the last card in each stacker containing cards. 2. Check the MFCU. The SEC and PRI lights indicate the hopper which fed the card that caused the halt. 3. Press MFCU STOP. 4. Raise the cards in the indicated hopper and press NPRO. One card is fed to stacker 1. 5. Place the last card from the stacker indicated by the message text, followed by the card from stacker 1, in front of the cards in the indicated hopper. 6. Press MFCU START. 7. Respond with option 1 if the unit record restart function was not selected during system generation. 8. If cards were being printed, notify the programmer of the error. The cards to check for print errors are the marked cards plus the two preceding cards in each output stacker. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCU before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM F6		023	<p>Message Text: MFCU PRINT CHECK</p> <p>Reason: MFCU print check. The printing on the cards could be in error. The wrong characters could be printed, characters could only be partially printed, the printing could be in the wrong position on the cards, or some of the printing could be missing from the cards.</p> <p>Recovery 0:</p> <ol style="list-style-type: none"> 1. Mark the last card in each stacker being used for output. If in doubt, mark the last card in each stacker containing cards. 2. On completion of the run, notify the programmer of the MFCU print check. The cards to check for print errors are the marked cards and the two preceding cards in each output file. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCU before selecting option 2 or 3.</p>
IM F7		123	<p>Message Text: MFCU NOT READY</p> <p>Recovery 1: Press MFCU START, respond with option 1 if the unit record restart function was not selected during system generation, and retry.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
DUF8	2	<u>3</u>	<p>Reason: The maximum skip value for a printer file is greater than the page size. (For an assembler program, check the DTF.)</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI F9 xA <div style="margin-left: 20px;"> ↑ Number of the requested tape unit. </div>		23	<p>Reason: A tape is designated for the file (or volume of a file if it is a multi-volume file); however, it contains an active tape file.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI F9 JO		13	<p>Reason: The tape drives requested are not available, one or more tape units are being used by the other program partition.</p> <p>Recovery 1: Retry after other program partition issues end of job.</p> <p>3: Immediate cancel.</p>
GF F9 Tx <div style="margin-left: 20px;"> ↑ Unit code of the affected device. </div>		03	<p>Reason: The tape drive cannot be used because the affected unit is in use by the other program partition.</p> <p>Recovery 0: Select another unit or the same unit after the other partition has reached end of job.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RQ FF xx ↑ RPQ identifier.	1	<u>0</u>	<p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none">• An error occurred on an I/O device supported by an RPQ routine.• An error occurred in an RPQ external subroutine.• An operator action is requested by an RPQ routine.• An operator action is requested by an application program. <p>Recovery 0: Refer to the reference manual for the RPQ routine for further halt recovery information.</p>
DM FS01		23	<p>Reason: The program has shared files specified for a 5445 or 3340 disk data file. File sharing is not supported because the program was link edited on a system for which CCP was not specified during system generation.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
DM FS02		23	<p>Reason: The program has shared files specified for a 5444 disk data file. File sharing is not supported because the program was link edited on a system for which CCP was not specified during system generation.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI FT	4	<u>23</u>	<p>Reason: Attempting to spool a combined file.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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DS FULL

Message Text: THE SHA IS FULL

Reasons:

- The system history area is almost full (approximately 50 records left before overlay of unprinted messages will occur).
- If this message appears immediately after issuing a HALT SHA OCC, there may not be even 50 records left until overlay of unprinted messages will occur.

Recovery: Press ENTER to continue.

Note: If you do not want to lose SHA entries, execute the \$HIST system service program as soon as possible.

CI FY

4

23

Reason:

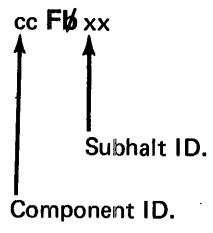
- The program is attempting to allocate a device that is not supported by the system.
- The program is attempting to allocate a device and there is an operation pending on the CRT/keyboard.
- There is an incorrect device specification.

Probable user error.

Recovery 2: Controlled cancel.

3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
cc F0 xx	8	0123	Message Text: "unit" UNAVAILABLE



Reason: A program cannot access a pack because another program is using that pack. The subhalt identifies the specific reason for the halt.

Subhalt

SY – The requested pack is the system pack. If the overlay linkage editor issued this message (component ID is EO), CCP is loading from the pack.

PP – The requested pack is the program pack. If the overlay linkage editor issued this message (component ID is EO), either CCP is loading from the pack or a temporary entry is executing from the pack.

IU – The requested pack is in use by the other partition.

AF – The requested pack has files allocated on it.

DD – The requested pack is dedicated to the other partition.

RO – The requested pack is in use by a rolled-out program in the other partition.

SP – The requested pack is in use by the spooling function.

CP – CCP has files allocated on the pack.

Recovery: The halt is issued by the following programs, and the recovery options depend on which program issued the halt:

<u>Component ID</u>	<u>Program</u>	<u>Recovery Options/Default</u>
CP	CCP	1, 2
EO	\$OLINK	1, 3 and 0, 1, 3
UA	\$ALT	1, 3
UC	\$COPY	1, 3
UE	\$WVTOC	1, 3
UF	\$DELET	0, 1, 3
UF	\$LABEL	0, 1, 3
UI	\$INIT	0, 1, 3
UP	\$DCOPY	1, 3
UR	\$BUILD	1, 3
US	\$SCOPY	0, 1, 3
UX	\$RSALT	0, 1, 3

(continued next page)

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
cc F 0 xx (continued)			<p>Recovery 0: EO (\$OLINK) – Punch the module on the system punch device.</p> <p>UI (\$INIT) – Initialize the next pack in the list.</p> <p>All others – Ignore this statement and read the next control statement.</p> <p>1: Retry. The F0 halt will reappear if the pack is still in use.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI F 0 xx ↑ Unit code of the affected device.	8	123	<p>Reason: A file cannot be allocated for the unit because a program in the other program partition is using the unit.</p> <p>Recovery 1: Retry after the other program partition has issued the end-of-job or end-of-step message.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI F 0 xx ↑ Unit code of the affected device.	8	13	<p>Reasons:</p> <ul style="list-style-type: none"> • The other program partition is processing an offline multivolume file on the removable unit specified in the LOAD statement. • A program cannot be loaded from the unit because a program in the other program partition is using the unit. <p>Recovery 1: Retry after other program partition has issued the end-of-job message.</p> <p>3: Immediate cancel.</p>
CT F 0 xx ↑ Unit code of the affected device.		1	<p>Reason: The requested pack is the system pack and is in use by a program in the other partition.</p> <p>Recovery 1: Retry after the other program partition has issued the EJ or ES message.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
LM F 0 xx LM F 0 xx	8 8	0 <u>1</u> 23 <u>1</u> 23	<p>Reason: A function has been requested that references a library on a pack and that pack is in use.</p> <p>Recovery 0: Continue. The request is ignored. Records are read through the CEND or NEND statement if necessary; then the next control statement is processed. Option 0 is valid only for the library maintenance program.</p> <p>1: Retry. The LM F0 xx halt will reappear if the pack is still in use. If the pack is available, the function will be performed.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
			<p>Unit code of the affected device.</p>
SD F- ST F-	4	<u>0</u> 3 <u>0</u> 3	<p>Reason: The halt occurred for one of the following reasons:</p> <p>A. Tape sort. The final pass of tape sort is ready to begin. If the tape for the output file is not mounted, it must now be mounted. WORK1 may be removed.</p> <p>B. Disk sort. The final pass of disk sort is ready to begin. If the tape for the output file is not mounted, it must now be mounted.</p> <p>Recovery 0: Continue when the output tape is ready.</p> <p>3: Immediate cancel.</p>
RP H0		023	<p>Message Text: ALL HALT INDICATORS DISPLAYED</p> <p>Reason: RPG II halt indicator previously displayed.</p> <p>Recovery 0: Do functions required by H halt and continue. All RPG II halt indicators in this cycle have been displayed.</p> <p>2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RPH1		023	Message Text: HALT INDICATOR H1 ON
RPH2		023	Message Text: HALT INDICATOR H2 ON
RPH3		023	Message Text: HALT INDICATOR H3 ON
RPH4		023	Message Text: HALT INDICATOR H4 ON
RPH5		023	Message Text: HALT INDICATOR H5 ON
RPH6		023	Message Text: HALT INDICATOR H6 ON
RPH7		023	Message Text: HALT INDICATOR H7 ON
RPH8		023	Message Text: HALT INDICATOR H8 ON
RPH9		023	Message Text: HALT INDICATOR H9 ON

Reason: The RPG II indicator indicated in the message text is on.

Recovery 0: Continue to halt H0.

2: Controlled cancel. Store tables and execute LR calculations and LR output if available.

3: Immediate cancel.

CI HA	4	<u>3</u>	Reason: An attempt is being made to compile a source program, and a FILE statement with NAME-\$SOURCE has been read. The space specified in the FILE statement is too small to contain the source program. Probable user error. Recovery 3: Immediate cancel.
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CI HC	4	<u>3</u>	Reason: The requested program was not found on the specified fixed disk. Probable user error. Recovery 3: Immediate cancel.
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CC HE xx		3	<p>Reason: A permanent disk error occurred.</p> <p>Note: This halt is given by system transient routines whenever error logging cannot be used.</p> <p>Recovery 3: Immediate cancel. Rerun the job. If the halt recurs, perform the following:</p> <ol style="list-style-type: none"> 1. Initialize the disk indicated by the halt. 2. Rebuild the system or data on the initialized disk. 3. Rerun the job. If the HE halt recurs, perform the following: 4. Record the contents of the ARR. To read ARR: <ol style="list-style-type: none"> a. Press console STOP. b. Set the LSR display selector on the CE panel to ARR. c. Set the register display unit to LSR HI LSR LO. d. Record the contents of ARR. e. Set the LSR display selector on the CE panel to NORMAL. 5. Contact IBM for hardware support. <p>Note: For a description of the HE message display unit halt, see <i>Message Display Unit Halts</i>.</p>
CI HE xx		3	
LM HE xx		3	

↑
Unit code of the affected device

UA HE xx		3	<p>Reason: A permanent disk error occurred while running the alternate track assignment program. If the error occurred on F1 or F2, contact IBM for hardware support. If the error occurred on R1 or R2, the pack is unusable.</p> <p>Recovery 3: Immediate cancel. Record the contents of the ARR. To read ARR:</p> <ol style="list-style-type: none"> 1. Press console STOP. 2. Set the LSR display selector on the CE panel to ARR. 3. Set the register display unit to LSR HI LSR LO. 4. Record the contents of ARR. 5. Set the LSR display selector on the CE panel to NORMAL. <p>Rebuild the system or data on a different pack and run other jobs.</p> <p>Note: For a description of the HE message display unit halt, see <i>Message Display Unit Halts</i>.</p>
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↑
Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
UI HE xx <div style="margin-left: 20px;"> ↑ Unit code of the affected device. </div>		3	<p>Reason: A permanent disk error occurred while the disk was being initialized.</p> <p>If the error occurred on F1 or F2, contact IBM for hardware support. If the error occurred on R1 or R2, the pack is unusable.</p> <p>Recovery 3: Immediate cancel. Record the contents of the ARR. To read ARR:</p> <ol style="list-style-type: none"> 1. Press console STOP. 2. Set the LSR display selector on the CE panel to ARR. 3. Set the register display unit to LSR HI LSR LO. 4. Record the contents of ARR. 5. Set the LSR display selector on the CE panel to NORMAL. <p>Rerun the job using a different pack.</p> <p>Note: For a description of the HE message display unit halt, see <i>Message Display Unit Halts</i>.</p>

VF HE xx <div style="margin-left: 20px;"> ↑ Unit code of the affected device. </div>		3	<p>Reason: A permanent disk error occurred.</p> <p>Note: This halt is given by system transient routines whenever error logging cannot be used.</p> <p>Recovery 3: Immediate cancel. Rerun the job. If the halt recurs, perform the following:</p> <ol style="list-style-type: none"> 1. Initialize the disk indicated by the halt. 2. Rebuild the system or data on the initialized disk. 3. Rerun the job. If the HE halt recurs, perform the following: 4. Record the contents of the ARR. To read ARR: <ol style="list-style-type: none"> a. Press console STOP. b. Set the LSR display selector on the CE panel to ARR. c. Set the register display unit to LSR HI LSR LO. d. Record the contents of ARR. e. Set the LSR display selector on the CE panel to NORMAL. 5. Contact IBM for hardware support. <p>Note: For a description of the HE message display unit halt, see <i>Message Display Unit Halts</i>.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI HF	2	<u>03</u>	<p>Reason: A COMPILE statement was read but is not required.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
CC HH UT		0	<p>Message Text: CHECKPOINT IGNORED</p> <p>Reason: A checkpoint attempt has been ignored. The last checkpoint taken is still active and the checkpoint number remains unchanged. The system pack was in use by another program.</p> <p>Recovery 0: The checkpoint program continues.</p>
CC HH nn		0	<p>Message Text: CHECKPOINT IGNORED xx</p> <p>Reason: A checkpoint was ignored for one of the following reasons as indicated by the xx in the message text:</p> <ul style="list-style-type: none"> 01 – The problem program had issued a message which required a response prior to a checkpoint. 02 – The problem program had supervisor main storage assigned that should have been freed prior to a checkpoint. 03 – The problem program had a system resource that should have been released (dequeued) prior to the checkpoint. 04 – The checkpoint program has determined that a restart would not be possible due to the position of the cards in the MFCM. If possible, clear the MFCM prior to the next checkpoint. 05 – A timer interval has been set and is still active for the checkpoint program. <p>0</p> <p>Message Text: CHECKPOINT IGNORED I/O ERROR</p> <p>Reason: The problem program had an I/O error which was not corrected prior to a checkpoint.</p> <p>Recovery 0: Continue. The nn indicates the number of the checkpoint that was ignored. nn is a value from 00 through 99. It begins at 01 for the first requested checkpoint, increments by 1 for each additional requested checkpoint until 99 is reached, and resets to 00 when the next checkpoint is requested. This process repeats as many times as necessary. The operator should log the checkpoint that was ignored and follow the operating instructions for the object program.</p>

↑
Number of the
checkpoint.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI HJ 01	4	<u>13</u>	<p>Reason: The requested program was not found on the specified removable pack.</p> <p>Probable user error.</p> <p>Recovery 1: Retry after mounting the correct pack.</p> <p>3: Immediate cancel.</p>
CI HJ 02	4	<u>3</u>	<p>Reason: The requested program was not found on the specified removable pack. The removable pack is also being used for some other function and cannot be removed at this time.</p> <p>Recovery 3: Immediate cancel.</p>
CI HL	4	<u>3</u>	<p>Reason: A ROLLOUT request has been allowed, but the program to be executed is the wrong type and cannot be executed. The types of programs that cannot be executed are:</p> <ul style="list-style-type: none"> ● System generation program. ● All LOAD * programs. ● All other written programs with dedicated attributes. <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CI HP	4	<u>3</u>	<p>Reason: There is insufficient main storage to run the requested program. The main storage specified in the core-size-to-execute parameter plus the main storage required for the supervisor must be less than the system main storage size. If possible, recompile the program specifying a smaller core-size-to-execute parameter.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CI HU 01 RP HU 01	4 4	<u>3</u> <u>3</u>	<p>Reason: The requested source program was not found on the fixed disk specified by the COMPILE statement.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI HU 02	4	<u>13</u>	<p>Reason: The requested source program was not found on the removable disk specified by the COMPILE statement.</p> <p>Recovery 1: Retry after mounting the correct pack.</p> <p>3: Immediate cancel.</p> <p>Note: The 1 option is not available if the removable pack is being used for some other function and cannot be removed at this time.</p>
CI HU 02	4	<u>3</u>	
RP HU 02	4	<u>3</u>	
CI HU 03	4	<u>3</u>	<p>Reason: A permanent disk error occurred while writing to the \$SOURCE file.</p> <p>Recovery 3: Immediate cancel.</p>
CI HU 04	4	<u>3</u>	<p>Reason: A permanent error occurred during input from the \$SOURCE file.</p> <p>Recovery 3: Immediate cancel.</p>
CC HY nn	1	<u>0</u>	<p>Reason: A checkpoint request has been received and accepted.</p> <p>Recovery 0: Continue. The nn indicates the checkpoint number that was accepted. nn is a value from 00 through 99. It begins at 01 for the first requested checkpoint, increments by 1 for each additional requested checkpoint until 99 is reached, and resets to 00 when the next checkpoint is requested. This process repeats as many times as necessary. The operator should log the checkpoint that was accepted and follow the operating instructions for the object program.</p> <p>If the tape, 3741, printer, MFCU, MFCM, 2501 card reader, or 1442 card read punch is being used by the checkpoint program, refer to the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075, for procedures to resume execution of the program.</p> <p>Note: If the interval timer support was specified during system generation, the message text is:</p> <p>xx/xx/xxbbbbbbhh:mm:ss CHKPOINT</p> <p>The fields are date of checkpoint, time checkpoint was taken and keyword identifying the message as a checkpoint time stamp; where:</p> <p>xx/xx/xx=date in format specified during system generation hh=hours, mm=minutes, ss=seconds</p>

↑
Number of the
checkpoint.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CC Hb nn <div style="margin-left: 20px;">↑ Number of the checkpoint.</div>		023	<p>Reason: A restart has been requested and the checkpoint program can now resume processing.</p> <p>Recovery 0: Continue. The nn indicates the last checkpoint number that was requested. nn is a value from 00 through 99. It begins at 01 for the first requested checkpoint, increments by 1 for each additional requested checkpoint until 99 is reached, and resets to 00 when the next checkpoint is requested. This process repeats as many times as necessary.</p> <p>Prepare and ready all devices required by the checkpoint program. If the tape, 3741, printer, MFCU, MFCM, 2501 card reader, or 1442 card read punch is used, refer to the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075 for procedures to resume execution.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If interval timer support was specified during system generation, the message text is:</p> <p style="text-align: center;">xx/xx/xxbbbbbbhh:mm:ss RESTART</p> <p>The fields are date restart was taken, time restart was taken, and keyword identifying the stamp as a RESTART time stamp; where:</p> <p style="text-align: center;">xx/xx/xx=date in format specified during system generation hh=hours, mm=minutes, ss=seconds</p>
CC Hb xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>		13	<p>Message Text: "pack name" (of the pack to be mounted)</p> <p>Reason: The pack that was being used by the interrupted program is not mounted and must be mounted.</p> <p>Recovery 1: Retry. Mount the pack that was being used by the checkpoint program.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CC Hb AC	2	<u>3</u>	<p>Message Text: RESTART – NO ACTIVE CHECKPOINT</p> <p>Reason: A restart has been requested but an active checkpoint does not exist.</p> <p>Recovery 3: Immediate cancel.</p>
CC Hb CS	2	<u>3</u>	<p>Message Text: RESTART – PARTITION TOO SMALL</p> <p>Reason: A restart has been requested and sufficient main storage is not available.</p> <p>Recovery 3: Immediate cancel.</p>
CC Hb PF	2	<u>3</u>	<p>Message Text: RESTART – PF KEY IN USE</p> <p>Reason: A restart has been requested and a program function key used by the checkpointed program is not available.</p> <p>Recovery 3: Immediate cancel.</p>
CC Hb SP	2	<u>3</u>	<p>Message Text: RESTART – SPOOL ACTIVE</p> <p>Reason: Attempting to restart a checkpointed program but spooling is active in the program partition.</p> <p>Recovery 3: Immediate cancel. Stop spooling in the partition and then restart the checkpointed program.</p>
CC Hb Tx		013	<p>Message Text: "Filename"</p> <p>Reason: The tape unit that was being used by the interrupted program either must be mounted and rewound or is not rewound. The file name of the tape to be mounted is displayed below the halt code. In addition, NS is displayed for a nonstandard, labeled tape, and NL is displayed for an unlabeled tape.</p> <p>Recovery 0: Continue. This option is available only if option 0 has been selected for the CI 7Y x1 halt during execution of the checkpoint program. This allows the files of a multi-volume file to be processed out of order.</p> <p>1: Retry. Mount the tape that was being used by the checkpoint program. If a multi-volume file is being processed, the volume mounted at the last accepted checkpoint must be mounted, not necessarily the reel that is mounted when this halt occurs.</p> <p>3: Immediate cancel.</p>

↑
Number of the
affected tape unit.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CC H P TP	2	<u>3</u>	<p>Reason: Attempting to restart a checkpoint program and tape units required by the checkpoint program are in use by the other partition.</p> <p>Recovery 3: Immediate cancel. Attempt to restart the checkpoint program when the required tape units become available.</p>
ST H-	2	<u>03</u>	<p>Reason: This halt appears at the end of the tape sort generation phase if warning errors have occurred and no severe or terminal errors have occurred.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p>
CI H' xx	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: An uninitialized pack has been referenced.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. Initialize the pack before running the job again.</p>
			<p>Unit code of the affected device.</p>
CR IC			<p>Reason: Invalid comment following //. A comment following // cannot be more than eight characters.</p> <p>Recovery: This is an information only message.</p>
RP J0	4	<u>023</u>	<p>Message Text: MULTIPLE OUTPUT TO COMBINED FILE</p> <p>Reason: Two output operations to the same record in an MFCM combined file have been attempted.</p> <p>Recovery 0: Continue. The second output request will be ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RP J1 nn	4	<u>123</u>	<p>Message Text: MATCH FIELD SEQUENCE ERROR</p> <p>Reason: A record with a specified match field is out of sequence. Statement number nn of the RPG II source listing indicates the file in error.</p> <p>Recovery 1: Bypass to beginning of RPG II cycle and read again from this file.</p> <p>2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p>3: Immediate cancel.</p>
			<p>Number of the source statement.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CT JA	4	<u>01</u>	<p>Reason: This halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> • Attempting to remove a file from a removable disk pack and the correct pack is not mounted. • A \$INIT, \$COPY (copypack), or \$DCOPY (restore run) has been cancelled by the operator. The pack being initialized or copied to is unusable unless it is either initialized or used as the TO pack in a copypack or restore run. The 0 option must be taken if this halt resulted from the cancellation of a \$INIT, \$COPY, or \$DCOPY run. <p>Recovery 0: Continue. Proceed to the next file.</p> <p>1: Retry. Mount the correct pack.</p>
CI JC 01		13	<p>Reason: Attempting to initiate a program which requires a dedicated system, but a program is running in the other partition.</p> <p>Recovery 1: Retry after the other partition has reached end of job.</p> <p>3: Immediate cancel.</p>
CI JC 02		13	<p>Reason: Attempting to initiate a program, but the program in the other partition requires a dedicated system.</p> <p>Recovery 1: Retry after the other partition has reached end of job.</p> <p>3: Immediate cancel.</p>
CI JC 03	4	<u>3</u>	<p>Reason: Restart (\$RSTR) can only execute in program partition 1.</p> <p>Recovery 3: Immediate cancel.</p>
CI JC 04	4	<u>03</u>	<p>Reason: A checkpointed program is not allowed in program partition 2.</p> <p>Recovery 0: Continue. Checkpoint requests will be ignored.</p> <p>3: Immediate cancel.</p>
CI JC 05	4	<u>013</u>	<p>Reason: Certain programs cannot be run when a checkpoint is active. See the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075.</p> <p>Recovery 0: Continue. The checkpoint is deactivated.</p> <p>1: Continue. Checkpoint remains active.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI JC 06	4	<u>03</u>	<p>Reason: Attempting to initiate a checkpoint program while a rollin is pending.</p> <p>Recovery 0: Continue. Checkpoint requests will be ignored.</p> <p>3: Immediate cancel.</p>
CI JC 07	4	<u>03</u>	<p>Reason: Attempting to initiate a checkpoint program with spooling active for partition 1. Spooling must be stopped for partition 1 to assure that checkpoints will be taken.</p> <p>Recovery 0: Continue. Checkpoint requests will be ignored.</p> <p>3: Immediate cancel.</p>
CC JF	4	<u>2</u>	<p>Reason: An attempt is being made to load an inquiry program, but the CRT/keyboard is being used as the system input device by the other partition.</p> <p>Recovery 2: Controlled cancel. The inquiry request is canceled, and the J' message will occur.</p>
CI JH	4	<u>03</u>	<p>Reason: An attempt is being made to start an inquiry program in program partition 2. Inquiry programs should be executed in program partition 1.</p> <p>Recovery 0: Continue. The program will execute, but inquiry requests will not be accepted.</p> <p>3: Immediate cancel.</p>
CI JJ	4	<u>3</u>	<p>Reason: An attempt is being made to load an object program, but there is no object library on the specified unit.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CC JY RD	4	<u>02</u>	<p>Reason: A rollout request has been received and accepted.</p> <p>Recovery 0: Continue. If the MFCU, 1442, MFCM or 2501, was being used by the interrupted program, use NPRO to clear any cards from the card feed paths. Prepare and ready any devices required by the interrupting program. If system IPL was from a removable pack, that pack must not be removed. Before removing any pack, check that the pack is not being used by a program in the other partition.</p> <p><i>Note:</i> If the MFCU, 1442, MFCM or 2501 will not be used by the interrupting program, do not remove (NPRO) any cards from the devices. When performing a rollin, select option 1 for the J' halt to tell the system that card repositioning is not necessary.</p> <p>If the interrupted program is writing to the 3741, note the track and sector address on the 3741 display screen. If the 3741 is needed by the interrupting program, remove the device by pressing FUNCT SEL (upper) and T on the 3741. The EOD field in the label will be updated.</p> <p>If the interrupted program is reading from the 3741, note the track and sector address on the 3741 display screen. Save this information because it will be needed at rollin time. If the 3741 is needed by the interrupting program, take the device offline by pressing ALPHA SHIFT, NUM SHIFT, and RESET.</p> <p>2: Controlled cancel. The rollout request is canceled and the J' message will occur. If option 2 is selected and the interrupted program is using card devices, do not NPRO the cards from the device. Select option 1 for the J' halt to avoid card repositioning.</p> <p><i>Note:</i> If the MFCU is being used by the interrupted program, perform the following:</p> <ol style="list-style-type: none"> 1. Raise cards in primary hopper. 2. Press NPRO. 3. Place cards fed into stacker 1 in front of cards in primary hopper. 4. If secondary hopper is being used, raise cards in hopper. 5. Press NPRO. 6. Place cards fed into stacker 1 in front of cards in secondary hopper.

(continued next page)

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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CC JY RD
(continued)

Notes:

1. If the MFCM is being used, perform the following:
 - a. Remove the cards from stackers 1 and 5 (stackers 1 and 4 for Model A2 MFCM).
 - b. Remove the cards from the primary and secondary hoppers.
 - c. Press NPRO.
 - d. Place the cards run out from the primary hopper in front of the primary hopper deck.
 - e. Place the cards run out from the secondary in front of the secondary hopper deck.
2. Save the decks as they will be needed for the ROLLIN operation.
3. If the 1442 or 2501 is being used by the interrupted program, perform the following:
 - a. Raise cards in hopper.
 - b. Press NPRO.
 - c. Place cards fed into stacker in front of cards in hopper. If there are no cards left in the hopper and only one card is fed into the stacker, place it in the hopper and place a blank card on top of it.
 - d. Press START.
4. If a printer is being used by the interrupted program, record the number of the line printed when the rollout request is accepted. The paper in the printer can then be repositioned to this line after the program resumes execution.

CC JZ 02

Message Text: ROLLOUT NOT ALLOWED.

Reason: A checkpoint is active on the IPL pack.

Recovery: This is an information only message.

CC JZ03

Message Text: ROLLOUT NOT ALLOWED

Reason: CCP active in calling partition.

CC JZ04

Message Text: ROLLOUT NOT ALLOWED

Reason: The caller has an unexpired interval timer.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI J b		13	<p>Message Text: INPUT DEVICE IS NOT AVAILABLE.</p> <p>Reason: The requested device is not supported or is being used by the other program partition.</p> <p>Recovery 1: If the halt occurred because the device is being used by the other program partition, wait until the program in the other partition goes to end-of-job and select option 1. The device can then be used by the program in this partition.</p> <p>3: Immediate cancel.</p> <p>Note: If the system reads the JOB, LOAD, or CALL statement associated with the next job (or job step, if in step mode), the device will not be released for use by the other partition. To prevent this do the following:</p> <ul style="list-style-type: none"> • If in job mode, use a /. to terminate a job. • If in step mode, use a /. or /& to terminate a job step. <p>If you want to free the device for use by other partitions, do the following:</p> <ol style="list-style-type: none"> 1. Cause a NOT READY halt on the desired device. <ol style="list-style-type: none"> a. For a card device, press the STOP button. b. For 3741, take the device offline. 2. Take a 2 or 3 option to the NOT READY halt. <ol style="list-style-type: none"> a. Wait until EJ is issued. b. The device is now available.
CC J' xx		02	<p>Message Text: "Pack Name" IS NOT ON LINE.</p> <p>Reason: The execution of an inquiry interrupting program has been completed. The CC J' RD halt occurred, but the correct pack was not mounted when option 0 or 1 was selected (for the CC J' RD halt).</p> <p>Recovery 0: Continue after mounting the correct pack. Before removing any pack, check that the pack is not in use by a program in the other partition.</p> <p>2: Controlled cancel. The user program is restored and control passed to the system terminator tasks.</p>

Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CC J' RD	4	<u>012</u>	<p>Reason: The execution of an inquiry interrupting program has been completed. The interrupted program can now resume processing.</p> <p>Recovery 0: Continue. Prepare and ready all devices required by the interrupted program. If the MFCU, MFCM, 2501, and/or 1442 is used, place the cards from the interrupted program back in the hoppers. Cards that were run out on NPRO must be placed ahead of any cards in their respective hoppers.</p> <p>1: Continue. Prepare and ready all devices required by the interrupted program except card devices. The system will not attempt to reposition cards for the MFCU, MFCM, or 1442.</p> <p>2: Controlled cancel. The user program is restored and control passed to the system terminator tasks.</p>

Note: If either the forms or the forms length was changed for the interrupting program, reposition the paper in the printer to the line that was being printed when the rollout request was accepted. See the *IBM System/3 Model 15 Operator's Guide, GC21-5075*, for information on positioning the paper in the printer.

If the interrupted program was writing to the 3741, do the following:

1. Insert the diskette that the interrupted program was writing to into drive 1, even if the diskette was in drive 2 when the interruption occurred.
2. Locate the data set that was being used by the interrupted program.
3. Search to EOD and record advance.
4. Place the 3741 online.

If the interrupted program was reading from the 3741, do the following:

1. Insert the diskette that the interrupted program was reading from into drive 1, even if the diskette was in drive 2 when the interruption occurred.
2. Locate the data set that was being used by the interrupted program.
3. Position the diskette head to the address saved at rollout time.
4. Place the 3741 online.

(continued next page)

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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CC J' RD
(continued)

If the interval timer was specified during system generation, the message text will be:

xx/xx/xx hh:mm:ss: hh:mm:ss ROLLOUT

The fields are the date the rollout occurred, the time the rollout occurred, the time the rollin occurred, and keyword identifying the time stamp as a ROLLOUT time stamp; where:

xx/xx/xx=date in format specified during system generation
hh=hours, mm=minutes, ss=seconds

RP LI	nn	4	<u>123</u>
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↑
Number of the source statement.

Message Text: SEQUENCED RECORD OUT OF ORDER

Reason: Record unidentifiable or out of sequence. This halt occurs only for files with numeric entries in columns 15 and 16 of RPG II input specifications. Statement number nn on the RPG II source listing indicates the file in error.

- Recovery 1:** Bypass to beginning of RPG II cycle and read again from this file.
- 2:** Controlled cancel. Store tables and execute LR calculations and LR output if available.
- 3:** Immediate cancel.

CI LA		4	<u>23</u>
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Reason: There is insufficient storage available for the number of files to be processed.

Probable user error.

- Recovery 2:** Controlled cancel.
- 3:** Immediate cancel. Reduce the number of files to be processed.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI LE	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: Either no FILE statement or an incorrect FILE statement was read for a file used by the current program.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: This halt may occur for a user's program when the UNIT parameter differs from the unit requested by the program; for example, if UNIT-D is specified and the program requests a 5444 disk. It may also occur when the UNIT parameter specifies a 5445 disk for an IBM program's input, output, or work file and the IBM program does not support the 5445. Refer to the file consideration information in the reference manual for the IBM program when the halt occurs for this reason.</p>
CI LF xx		123	<p>Message Text: TRYING TO ALLOCATE AN OUTPUT OR ADD FILE TO, OR SCRATCH A FILE FROM A READ-ONLY PACK.</p> <p>Reason: An attempt is being made to allocate an output or add file to, or scratch a file from a pack that has the read-only function enabled.</p> <p>Probable user error.</p> <p>Recovery 1: Retry as follows:</p> <ul style="list-style-type: none">● Disable the read-only function. For a description of how to enable and disable the read-only function, see the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075.● Respond with option 1. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Unit code or the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI LH	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to use an existing file as an output file but no location and space was specified by the FILE statement.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel. In order to reload an existing file, location, and tracks or records must be specified.</p>
CI LJ	4	<u>23</u>	<p>Reason: An existing permanent file is referenced as an output file. File must be temporary.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI LL	2	<u>023</u>	<p>Message Text: "Filename"</p> <p>Reason: An existing temporary file is being allocated as an output file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The file is allocated with the current system date, and the existing temporary file is made available to the new file. Additional halts may occur if the file specifications for the existing temporary file and the new file do not match. If an additional halt does occur and a 3 option is taken, the file will be unusable.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI LP	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: This halt occurred for one of the following reasons:</p> <ol style="list-style-type: none"> 1. An attempt is being made to allocate a new file, and the same file already exists on the referenced volume in a different location. The existing file has the current system date or the same job date as the new file. 2. During a disk sort with a deferred mount of the output file, an attempt is being made to: <ol style="list-style-type: none"> a. Allocate a new file, and the same file already exists on the referenced volume. b. Reference an existing file and the FILE statement specifications in this job do not match the FILE statement used when the existing file was created. <p>The files have the same system or job date.</p> 3. An attempt is being made to allocate a multi-volume file, and the volume ID is not unique. <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI LU xx		123	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to use a file and the pack name does not agree with the file pack specification. This halt may occur because the file was not initially online, in which case the pack should be mounted when the LU halt occurs.</p> <p>Probable user error.</p> <p>Recovery 1: Retry after mounting correct pack.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

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Unit code of the
affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI LY 01	4	<u>23</u>	<p>Reason: This halt occurred for one of the following reasons:</p> <ol style="list-style-type: none"> 1. An attempt is being made to allocate a new disk file and there is either insufficient space on the pack or the specified track location is not available. This includes the total space for a series of split files when trying to allocate the first file in a group of split files. 2. During a disk sort with a deferred mount of the output file, an attempt is being made to allocate a new file, and the same file already exists on the referenced volume. <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI LY 02	4	<u>23</u>	<p>Reason: An attempt is being made to allocate a split cylinder file and there is not enough space left in the area on disk reserved for the split cylinder files.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
LM L B CP	4	<u>0123</u>	<p>Reason: The library maintenance program detected an attempt to alter a library via a DELETE, COPY, or ALLOCATE parameter on a pack with an active checkpoint.</p> <p>Recovery 0: Continue. The request is ignored. Records are read through the CEND or NEND statement if necessary. Then the next control statement is processed.</p> <ol style="list-style-type: none"> 1: Continue. The checkpoint is deactivated. 2: Controlled cancel. 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI L -	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to add a split cylinder file to a series of split cylinder files while the other program partition or rollout program is adding a split cylinder file to the same split cylinder file series.</p> <p>Recovery 3: Immediate cancel. A new split cylinder file cannot be added until the other program, the other program partition, or the rolled-out program has reached end of job.</p>
CI L'	4	<u>23</u>	<p>Reason: An attempt is being made to allocate a split cylinder file before allocating the first split cylinder file in the split cylinder files group.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IM MA 99		23	<p>Message Text: MFCM ADAPTER CHECK</p> <p>Reason: This halt occurs for all adapter checks caused by parity check indicators of the data/address busses within the micro attachment.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the same halt recurs, contact IBM for hardware support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MC 40		123	Message Text: MFCM MACHINE CHECK
IM MC 41		123	
IM MC 42		123	Recovery 1: Retry as follows:
IM MC 43		123	<ol style="list-style-type: none"> 1. Remove the cards from stackers 1 and 5 (stackers 1 and 4 if Model A2 MFCM). 2. Remove the cards from the primary and secondary hoppers. 3. Press NPRO. 4. Place the cards run out from the primary in front of the primary hopper deck. 5. Place the cards run out from the secondary in front of the secondary hopper deck. 6. Place the decks in their respective hoppers. 7. Press START on the MFCM. 8. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Note: Clear all error indications on the MFCM before selecting option 2 or 3.

IM MC 49		23	Message Text: MFCM MACHINE CHECK Reason: This halt occurs if the machine check was caused by: <ul style="list-style-type: none"> ● An extra feed cycle. ● A feed circuit breaker sequence check. ● An extra punch-pusher cycle. Recovery 2: Controlled cancel. 3: Immediate cancel.
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Note: Clear all error indications on the MFCM before selecting option 2 or 3.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MD 10		123	Message Text: MFCMx READ OVERRUN
IM MD 11		123	Message Text: MFCMx PUNCH OVERRUN
IM MD 12		123	Message Text: MFCMx PRINT OVERRUN CARD y STACKER y
IM MD 13		123	Message Text: MFCMx FIBER OPTIC CHECK

Reason: An MFCM data check has occurred for the reason displayed in the message text. The x in the message text is a 1 or a 2 to indicate the card path affected. The y in the message text indicates the location of the card after the NPRO. For example, if the message is CARD 2 STACKER 1, the card to be checked is the second card fed to stacker 1 on the NPRO operation. If the message is CARD IN STACKER 1, the card to be checked is the last card fed to stacker 1 prior to the NPRO operation.

Recovery 1: Retry as follows:

1. Remove the cards from the primary and secondary hoppers.
 2. Press NPRO.
 3. If output, either discard the error card if punching into blank cards, or if punching into prepunched cards, recreate the fields as they were prior to the punch operation.
 4. Place the cards run out from the primary in front of the primary hopper deck.
 5. Place the cards run out from the secondary in front of the secondary hopper deck.
 6. Place the decks in their respective hoppers.
 7. Press START on the MFCM.
 8. Respond with option 1 if the unit record restart function was not selected during system generation.
- 2: Controlled cancel.
- 3: Immediate cancel.

Note: Clear all error indications on the MFCM before selecting option 2 or 3.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MD 14		123	Message Text: MFCMx READ COMPARE ERROR CARD y STACKER y
IM MD 15		123	Message Text: MFCMx PUNCH COMPARE ERROR CARD y STACKER y
IM MD 16		123	Message Text: MFCMx INVALID CHARACTER CARD y STACKER y
IM MD 17		123	Message Text: MFCMx PRINT TRANSLATE CHECK CARD y STACKER y

Reason: An MFCM data check has occurred for the reason displayed in the message text. The x in the message text is a 1 or a 2 to indicate the card path affected. The y in the message text indicates the location of the card after the NPRO. For example, if the message is CARD 2 STACKER 1, the card to be checked is the second card fed to stacker 1 on the NPRO operation. If the message is CARD IN STACKER 1, the card to be checked is the last card fed to stacker 1 prior to the NPRO operation.

Recovery 1: Retry as follows:

1. Remove the cards from the primary and secondary hoppers.
2. Press NPRO.
3. If input, correct the card in error.
4. If output, either discard the error card if punching into blank cards, or if punching into prepunched cards, recreate the fields as they were prior to the punch operation.
5. Place the cards run out or removed from the primary in front of the primary hopper deck.
6. Place the cards run out or removed from the secondary in front of the secondary hopper deck.
7. Place the decks in their respective hoppers.
8. Press START on the MFCM.
9. Respond with option 1 if the unit record restart function was not selected during system generation.

2: Controlled cancel.

3: Immediate cancel.

Note: Clear all error indications on the MFCM before selecting option 2 or 3.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MF 20		123	<p>Message Text: MFCMx FEED CHECK</p> <p>Reason: An input station check occurred.</p>
IM MF 21		123	<p>Message Text: MFCMx FEED CHECK</p> <p>Reason: A primary or secondary preread station check occurred.</p>
IM MF 22		123	<p>Message Text: MFCMx FEED CHECK</p> <p>Reason: A read station early or late check occurred.</p>
IM MF 23		123	<p>Message Text: MFCMx FEED CHECK</p> <p>Reason: A primary or secondary prepunch check occurred because a card was late in leaving the prepunch station on a feed or read command.</p>

The x in the message text indicates the card path where the feed check occurred.

Recovery 1: Retry as follows:

1. Remove the cards from stackers 1 and 5 (stackers 1 and 4 if Model A2 MFCM).
2. Remove the cards from the primary and secondary hoppers.
3. Press NPRO. If run out does not occur, open the covers and remove all cards from both feed paths, keeping them in order.
4. Replace any damaged cards.
5. Place the cards run out or removed from the primary in front of the primary hopper deck.
6. Place the cards run out or removed from the secondary in front of the secondary hopper deck.
7. Place the decks in their respective hoppers.
8. Press START on the MFCM.
9. Respond with option 1 if the unit record restart function was not selected during system generation.

2: Controlled cancel.

3: Immediate cancel.

Note: Clear all error indications on the MFCM before selecting option 2 or 3.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MF 24		123	<p>Message Text: MFCMx FEED CHECK</p> <p>Reason: A primary or secondary punch pusher check occurred because a card did not register at the punch station. The card is not punched.</p> <p>The x in the message text indicates the card path where the feed check occurred.</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> 1. Remove the cards from stacker 1 and 5 (stackers 1 and 4 if Model A2 MFCM). 2. Remove the cards from the primary and secondary hoppers. 3. Open the covers and mark any card that is beyond the punch station. 4. Remove any cards now in the prepunch or punch station. 5. Close the covers and press NPRO. 6. Locate the marked card and place it in the proper stacker (stacker where it would have gone if the machine had not failed). 7. Place the remainder of the cards that were run out in front of their respective primary and secondary decks. 8. Place the cards that were removed from the prepunch or punch station in front of their respective primary and secondary decks. 9. Place the decks in their respective hoppers. 10. Press START on the MFCM. 11. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCM before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MF 25		123	<p>Message Text: MFCMx FEED CHECK</p> <p>Reason: A punch station check occurred because the card was late in feeding through the punch station.</p> <p>The x in the message text indicates the card path where the feed check occurred.</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> 1. Remove the cards from stackers 1 and 5 (stackers 1 and 4 if Model A2 MFCM). 2. Remove the cards from the primary and secondary hoppers. 3. Open the covers and mark the card that is now at the preprint station. (This card will be repunched during recovery.) 4. Remove any cards now in the prepunch station. 5. Close the covers and press NPRO. 6. Locate and discard the marked card. 7. Place the remainder of the cards that were run out in front of their respective primary and secondary decks. 8. Place the cards that were removed from the prepunch station in front of their respective primary and secondary decks. 9. Place a blank card or a prepunched card, if punching into a deck that was previously punched, in front of the hopper deck indicated by the message text. 10. Place the hopper decks in their respective hoppers. 11. Press START on the MFCM. 12. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCM before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MF 26		123	<p>Message Text: MFCM FEED CHECK</p> <p>Reason: A print station check occurred because a card was late leaving the print station.</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> 1. Remove the cards from stackers 1 and 5 (stackers 1 and 4 if Model A2 MFCM). 2. Remove the cards from the primary and secondary hoppers. 3. Open the covers and check for a card beyond the preprint station. If no card exists in this area of the machine, the card in error has been stacked. Locate the error card and determine whether it originated from the primary or secondary hopper. If primary, place it in stacker 1; if from the secondary hopper, place it in stacker 4/5. 4. Close the covers and press NPRO. 5. Place the cards run out or placed in stacker 1 in front of the primary hopper deck. 6. Place the cards run out or placed in stacker 4/5 in front of the secondary hopper deck. 7. Place the hopper decks in their respective hoppers. 8. Press START on the MFCM. 9. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCM before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MF 27		123	<p>Message Text: MFCM FEED CHECK</p> <p>Reason: A cell 8 to 9 check occurred.</p>
IM MF 28		123	<p>Message Text: MFCM FEED CHECK</p> <p>Reason: A corner station check occurred.</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> 1. Remove the cards from stackers 1 and 5 (1 and 4 if Model A2 MFCM). 2. Remove the cards from the primary and secondary hoppers. 3. Open the covers and remove any cards in the card path beyond the preprint station and place in the proper stacker (stacker where the card(s) would have gone if the machine had not failed). 4. Close the covers and press NPRO. (If run out does not occur, open the covers and remove the cards from both feed paths, keeping them in order.) 5. Replace any damaged cards. 6. Place the cards that were run out (or removed) in front of their respective hopper decks. 7. Place the decks in their respective hoppers. 8. Press START on the MFCM. 9. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Note: Clear all error indications on the MFCM before selecting option 2 or 3.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MF 2A		123	<p>Message Text: MFCM FEED CHECK JAM BAR CHECK</p> <p>Reason: Cards have jammed in the stacker transport area.</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> 1. Remove the cards from stackers 1 and 5 (stackers 1 and 4 if Model A2 MFCM). 2. Remove the cards from the primary and secondary hoppers. 3. Open the covers and remove the cards in the stacker transport area. Place them behind the cards in their proper stackers (stacker where they would have gone if the machine had not failed), after replacing any damaged cards. Also remove any card located beyond the preprint station and place it in the proper stacker. 4. Replace any damaged cards and place them in their respective stackers. 5. Close the covers and press NPRO. 6. Place the cards that are run out from the primary in front of the primary deck. 7. Place the cards that are run out from the secondary in front of the secondary deck. 8. Place the decks in their respective hoppers. 9. Press START on the MFCM. 10. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

Note: Clear all error indications on the MFCM before selecting option 2 or 3.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MF 2B		123	Message Text: MFCM FEED CHECK COVER INTERLOCK

Reason: A cover interlock switch was activated during an MFCM operation.

Recovery 1: Retry as follows:

1. Remove the cards from stackers 1 and 5 (stackers 1 and 4 if Model A2 MFCM).
2. Remove the cards from the primary and secondary hoppers.
3. Open the covers and remove any cards beyond the preprint station and place them in their proper stackers (stackers where they would have gone if the machine had not failed).
4. Close the covers and press NPRO.
5. If the message test contains an * following MFCM (that is, MFCM* FEED CHECK), check the cards that were run out to stacker 1 for proper stacker selection. A card may have been incorrectly selected to stacker 1 that should have gone to stacker 4/5.
6. Place the cards that were run out in front of their respective primary and secondary decks.
7. Place the decks in their respective hoppers.
8. Press START on the MFCM.
9. Respond with option 1 if the unit record restart function was not selected during system generation.

2: Controlled cancel.

3: Immediate cancel.

Note: Clear all error indications on the MFCM before selecting option 2 or 3.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MF 2C		123	<p>Message Text: MFCMx FEED CHECK</p> <p>Reason: A punch station check occurred because the card was late in feeding through the punch station on a read-only operation.</p> <p>The x in the message text indicates the card path (1 or 2) where the feed check occurred.</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> 1. Remove the cards from stackers 1 and 5 (stackers 1 and 4 if Model A2 MFCM). 2. Remove the cards from the primary and secondary hoppers. 3. Remove any cards now in the prepunch station. 4. Close the covers and press NPRO. 5. Place the remainder of the cards that were run out in front of their respective primary and secondary decks. 6. Place the cards that were removed from the prepunch station in front of their respective primary and secondary decks. 7. Place the hopper decks in their respective hoppers. 8. Press START on the MFCM. 9. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Clear all error indications on the MFCM before selecting option 2 or 3.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MH 01		123	<p>Message Text: MFCMx HOPPER CHECK</p> <p>Reason: This halt was caused by a card not feeding from the hopper (1 or 2) indicated by the x in the message text.</p> <p>Recovery 1: Retry as follows:</p> <ol style="list-style-type: none"> <li>1. Do not NPRO. <li>2. Remove the deck from the affected hopper. <li>3. Check the first card of the hopper deck and repair or replace as necessary. <li>4. Place the deck in the hopper. <li>5. Press START on the MFCM. <li>6. Respond with option 1 if the unit record restart function was not selected during system generation. <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MI 00		123	<p>Message Text: MFCMx IS NOT READY</p> <p>Reason: If the MFCM ATTENTION light is off, check for an empty hopper. The x in the message text indicates which hopper (1 or 2) is empty.</p> <p>If the MFCM ATTENTION light is on, check for one of the following:</p> <ul style="list-style-type: none"> ● Cover open. ● Chip box full or incorrectly positioned. ● Print line selector not locked. ● Stacker full. ● Hand crank installed. <p>Recovery 1: If the ATTENTION light was off, place cards in the indicated hopper (unless this is the end of the deck), and press START on the MFCM; then respond with option 1 if the unit record restart function was not selected during system generation.</p> <p>If the ATTENTION light was on, correct the condition causing the ATTENTION light and then press START on the MFCM; then respond with option 1 if the unit record restart function was not selected during system generation.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR MN	4	<u>03</u>	<p>Reason: Errors have been found in the OCL for this job. The error messages have been logged.</p> <p>Probable user error.</p> <p>Recovery 0: Continue with the next job. Use this option if no data for the cancelled job is in the system input device.</p> <p>3: Immediate cancel.</p> <p>Note: To determine which OCL statements were in error, do the following:</p> <ul style="list-style-type: none"> ● Examine the listing if the printer was used as the logging device; or ● Display the system history area to review the error messages related to the most recent OCL statements.
IM MP 00		023	<p>Message Text: MFCM NO PRINT CARD</p> <p>Reason: A print operation could not be executed because there was no card in the preprint station. This could have been caused by one of the following:</p> <ul style="list-style-type: none"> ● The card was ejected by a run in sequence from the other card path. ● The first print command issued was not preceded by two other commands which cause card feeding (necessary to move the first card to the preprint station). <p>Recovery 0: Continue. The print portion of the request is ignored.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IM MS 99		23	<p>Message Text: MFCM_x SPECIFICATION ERROR</p> <p>Reason: The x in the message text identifies the card path affected. This halt can occur for one of the following reasons:</p> <ul style="list-style-type: none"> ● A data operation was requested with a LENGTH specification of zero. ● A punch request with no card in either the preread or prepunch station of the requested card path. ● Two successive print requests without an intervening feed. ● A print operation request with no print heads selected (Model A1 MFCM only). <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
IX MX01		23	<p>Message Text: 3284 PARITY CHECK</p> <p>Reason: A parity error has occurred during the transfer (transmitting) of data to the unit.</p> <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: If the error continues to occur, contact IBM for hardware support.</p>
IX MX02		23	<p>Message Text: 3284 PARITY CHECK</p> <p>Reason: A parity error occurred during the transfer (receiving) of data or status from the unit.</p> <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p> <p>Note: If the error continues to occur, contact IBM for hardware support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IX MX03		123	<p>Message Text: 3284 DEVICE CHECK</p> <p>Reason: One or more characters could not be printed because of invalid parity. Unprintable characters are replaced with an X in the print line.</p> <p>Recovery 1: Retry the operation.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the error continues to occur, contact IBM for hardware support.</p>
IX MX04		23	<p>Message Text: 3284 CONTROL CHECK</p> <p>Reason: A hardware failure has occurred in either the attachment or the unit.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the error continues to occur, contact IBM for hardware support.</p>
IX MX05		123	<p>Message Text: 3284 EQUIPMENT CHECK xxx</p> <p>Reason: A hardware failure has occurred in the print mechanism.</p> <p>Recovery 1: Retry the operation. Advance the paper to the next page and set it to the line indicated in the message text (xxx).</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the error continues to occur, contact IBM for hardware support.</p>
IX MX06		23	<p>Message Text: 3284 DID NOT START</p> <p>Reason: An operation to the 3284 failed to start the print mechanism.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the error continues to occur, contact IBM for hardware support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IX MX07		123	<p>Message Text: 3284 DROPPED READY xxx</p> <p>Reason: A printer malfunction or end of forms caused the 3284 to drop ready status during an I/O operation. If end of forms has occurred, insert new paper as indicated in the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. For all options, advance the paper to the next page and set the form to the line indicated in the message text (xxx).</p> <p>Recovery 1: Retry the operation.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IX MX08		123	<p>Message Text: 3284 NOT READY xxx</p> <p>Reason: The 3284 is not powered on, or no response was received when the device was requested. If end of forms has occurred, insert new paper as indicated in the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. For all options, advance the paper to the next page and set the form to the line indicated in the message text (xxx).</p> <p>Recovery 1: Make the device ready and retry. Be sure the device is powered on, forms are inserted, and the test switches are in the proper positions.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IX MX09		23	<p>Message Text: 3284 PROGRAM ERROR</p> <p>Reason: One of the following errors was detected:</p> <ul style="list-style-type: none"> ● A line other than 0 or 1 was selected. ● Bits 2, 5, or 6 of the R-byte were not 0. ● On a partial write, the message buffer address plus the count register is greater than 480 bytes. <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If the error continues to occur, contact IBM for programming support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IP P1		123	<p>Reason: Printer carriage check. Carriage synchronous check caused by loss of attachment synchronization with the forms. Inspect the carriage tape for wear and replace it if necessary. For a description of the 1403 printer operating procedures, see the <i>IBM System/3 Model 15 Operator's Guide</i>, GC21-5075. If this halt continues to occur, contact IBM for hardware support.</p> <p>Note: Could be caused by programming error if a skip is issued and the line counter is greater than the forms length.</p> <p>Recovery 1: For the 1403 printer:</p> <ol style="list-style-type: none"> 1. Press printer CHECK RESET key. 2. Open printer top cover. 3. Turn FEED clutch to NEUTRAL. For Model N1 (1100 lines per minute), skip to step 5. 4. Unlock and swing back print unit by pulling print unit release lever toward you. Unlatch ribbon guide bar from print unit and swing it against forms. 5. Check last line of print by turning paper advance knob forward: <ul style="list-style-type: none"> Model 2 (600 lines per minute) or 5 (465 lines per minute): Turn the paper advance knob forward three line spaces if in 6-line neutral or four line spaces if in 8-line neutral. Then do one of the following: <ul style="list-style-type: none"> ● If carriage <i>has not moved</i> (last print line is just visible above the ribbon guide bar), turn paper advance knob backwards three line spaces if in 6-line neutral or four line spaces if in 8-line neutral. Close and lock print unit. Be sure to push print unit release lever as far back as it can go. <p style="margin-left: 40px;">Turn FEED CLUTCH to DRIVE. Go to step 6.</p> ● If carriage <i>has moved</i>, position last line printed so that it is just visible above ribbon guide bar. Now turn paper advance knob backwards three line spaces if in 6-line neutral or four line spaces if in 8-line neutral. <p>Note line on form that is just visible above ribbon guide bar. This is your print stop line.</p>

(continued next page)

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IP P1 (continued)		123	<p>Turn paper advance knob backwards until first line of form is just visible above ribbon guide bar. Now turn paper advance knob backwards three line spaces if in 6-line neutral or four line spaces if in 8-line neutral. Close and lock print unit. Be sure to push print unit release lever as far back as it can go.</p> <p>Press CARRIAGE RESTORE key and turn FEED CLUTCH to DRIVE.</p> <p>Using CARRIAGE SPACE key, advance form until print stop line is just visible above ribbon guide bar.</p> <p>Model N1: Turn the paper advance knob forward four line spaces if in 6-line neutral or five line spaces if in 8-line neutral. Then do one of the following:</p> <ul style="list-style-type: none"> ● If carriage <i>has not moved</i> (last print line is just visible above the ribbon guide bar), turn paper advance knob backwards four line spaces if in 6-line neutral or five line spaces if in 8-line neutral. <p>Turn FEED CLUTCH to DRIVE. Go to step 6.</p> <ul style="list-style-type: none"> ● If carriage <i>has moved</i>, position last line printed so that it is just visible above ribbon guide bar. Now turn paper advance knob backwards four line spaces if in 6-line neutral or five line spaces if in 8-line neutral. <p>Note line on form that is just visible above ribbon guide bar. This is your print stop line.</p> <p>Turn paper advance knob backwards until first line of form is just visible above ribbon guide bar. Now turn paper advance knob backwards four line spaces if in 6-line neutral or five line spaces if in 8-line neutral.</p> <p>Press CARRIAGE RESTORE key and turn FEED CLUTCH to DRIVE.</p> <p>Using CARRIAGE SPACE key, advance form until print stop line is just visible above ribbon guide bar.</p>

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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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IP P1

(continued)

6. Close printer top cover.
7. Press printer START.
8. Respond with option 1 if the unit record restart function was not selected during system generation.

Printing continues with no loss of data or carriage information.

Recovery 2: Controlled cancel.

Note: Clear all error indications on the printer before selecting option 2.

3: Immediate cancel.

IP P2

123

Message Text: PRINTER IS NOT READY

Recovery 1: Retry as follows:

1. Press printer START.
2. Respond with option 1 if the unit record restart function was not selected during system generation.

2: Controlled cancel.

3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IP P3		123	<p>Reason: The forms have jammed causing a misalignment in the print line, or the CARRIAGE STOP key was pressed.</p> <p>Recovery 1: For the 1403 Printer:</p> <ol style="list-style-type: none"> 1. Press printer CHECK RESET key. 2. Open printer top cover. 3. Turn FEED CLUTCH to NEUTRAL. 4. Unlock and swing back print unit by pulling print unit release lever toward you. 5. If form was damaged, clear damaged form. Unlatch ribbon guide bar from print unit and swing it against forms. Reposition next good form by using paper advance knob so that line 1 of next good form is just visible above ribbon guide bar. Now go to step 6. <p>If form was not damaged, unlatch ribbon guide bar from print unit and swing it against forms. Reposition undamaged form by using paper advance knob so that line 1 of undamaged form is just visible above ribbon guide bar.</p> 6. Turn paper advance knob backwards: <p>Model 2 or 5: Three line spaces if in 6-line neutral or four line spaces if in 8-line neutral.</p> <p>Model N1: Four line spaces if in 6-line neutral or five line spaces if in 8-line neutral.</p> 7. Close and lock print unit. Be sure to push print unit release lever as far back as it can go. 8. Press CARRIAGE RESTORE key and then turn FEED CLUTCH to DRIVE. 9. Close printer top cover. 10. Press printer START. 11. Respond with option 1 if the unit record restart function was not selected during system generation. <p>Note: The remainder of the lines will be printed on the new form or on the remainder of the undamaged form. The information may be printed on the wrong line, but the next new form will regain synchronization. If output is being spooled, the job step can be restarted (RESTART OCC).</p>

(continued next page)

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IP P3 (continued)		123	<p>Recovery 2: Controlled cancel.</p> <p><i>Note:</i> Clear all error indications on the printer before selecting option 2.</p> <p>3: Immediate cancel.</p>
IP P5		023	<p>Reason: A synchronous check was caused by the loss of attachment synchronization with the chain or train.</p> <p>Recovery 0: Continue. Press the printer CHECK RESET key. It is not possible to correct the characters that are printed wrong.</p> <p>2: Controlled cancel.</p> <p><i>Note:</i> Clear all error indications on the printer before selecting option 2.</p> <p>3: Immediate cancel.</p>
IP P6		123	<p>Reason: A print data check has been caused by faulty transfer of information to or from the printer attachment buffer. This data check could be caused by a programming error if LIO instructions are not issued after powering up the system.</p> <p>Recovery 1: Follow the recovery procedures for halt P8. The line will be printed with no loss of data.</p> <p>2: Controlled cancel.</p> <p><i>Note:</i> Clear all error indications on the printer before selecting option 2.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IP P8		123	<p>Reason: A hammer echo check has occurred because of an improper hammer drive response during print time, or if any hammer-on check has occurred because a hammer turned on when hammer set pulse was generated by the attachment.</p>

If this halt continues to occur, contact IBM for hardware support.

Recovery 1: For the 1403 Printer:

1. Press printer CHECK RESET key.
2. Check for FORMS CHECK light on. If it is off, go to step 7.
3. Open printer top cover.
4. Turn FEED CLUTCH to NEUTRAL. For Model N1, skip to step 6.
5. Unlock and swing back print unit by pulling print unit release lever toward you. Unlatch ribbon guide bar from print unit and swing it against forms.
6. Position last line printed so that it is just visible above ribbon guide bar. Now turn paper advance knob backwards:

Model 2 or 5: Three line spaces if in 6-line neutral or four line spaces if in 8-line neutral.

Model N1: Four line spaces if in 6-line neutral or five line spaces if in 8-line neutral.

Note line on form that is just visible above ribbon guide bar. This is your print stop line.

Turn paper advance knob backwards until first line of form is just visible above ribbon guide bar. Now turn paper advance knob backwards:

Model 2 or 5: Three line spaces if in 6-line neutral or four line spaces if in 8-line neutral. Close and lock print unit. Be sure to push print unit release lever as far back as it can go.

Model N1: Four line spaces if in 6-line neutral or five line spaces if in 8-line neutral.

Press CARRIAGE RESTORE key and turn FEED CLUTCH to DRIVE.

Using CARRIAGE SPACE key advance form until the print stop line is just visible above the ribbon guide bar.

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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IP P8 (continued)		123	<p>7. Close printer top cover.</p> <p>8. Press printer START.</p> <p>9. Respond with option 1 if the unit record restart function was not selected during system generation.</p> <p>Processing continues. It is not possible to correct the character that is printed wrong.</p> <p><i>Note:</i> If the carriage has moved and you do not reposition the forms, printing will occur on the line where the carriage stopped.</p> <p>Recovery 2: Controlled cancel.</p> <p><i>Note:</i> Clear all error indications on the printer before selecting option 2.</p> <p>3: Immediate cancel.</p>
IB P9 DK	2	<u>123</u>	<p>Reason: A duplicate keyword has been found in a control statement or in the input deck for the form descriptor program conversion routine.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB P9 EC	2	<u>23</u>	<p>Reason: The end control character for the last form descriptor program in the input deck has not been found.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB P9 OC	2	<u>123</u>	<p>Reason: The statement following the RUN statement for the form descriptor program conversion routine is not a CONVERT statement, and MFCU1 is not used for input.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IB P9 PS	2	<u>123</u>	<p>Reason: An invalid or missing RESERVED keyword or keyword parameter has been found in a control statement for the form descriptor program conversion routine.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB P9 SQ	2	<u>23</u>	<p>Reason: The last card read in the input deck was out of sequence for the form descriptor program conversion routine.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB P9 VA	2	<u>23</u>	<p>Reason: The last card read in the input deck for the form descriptor program conversion routine did not contain valid data.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IP PC	4	<u>023</u>	<p>Reason: One or more characters in the print line could not be printed. They were not part of the chain or train image in the communications area. The unprintable characters were replaced by blanks.</p> <p>Recovery 0: Continue.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: For a description of the PC message display unit halt, see the <i>Message Display Unit Halts</i>.</p>
CR PE		123	<p>Reason: A chain or train check has occurred. A 48-character-set chain or train is mounted, but the image in main storage is for UCS. If the image is incorrect, perform the recovery 1 option.</p> <p>Probable user error.</p> <p>Recovery 1: Mount the correct chain or train and press printer START.</p> <p>2: Controlled cancel. Do not select this option if the IMAGE statement is not between the LOAD and RUN statements.</p> <p>3: Immediate cancel. The IMAGE statement is ignored.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR PF		123	<p>Reason: A chain or train check has occurred. A UCS chain or train is mounted, but the image in main storage is for the 48-character-set chain or train. If the image in main storage is incorrect, perform the recovery 1 option.</p> <p>Probable user error.</p> <p>Recovery 1: Mount the correct chain or train and press printer START.</p> <p>2: Controlled cancel. Do not select this option if the IMAGE statement is not between the LOAD and RUN statements.</p> <p>3: Immediate cancel. The IMAGE statement is ignored.</p>
CI PH	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to allocate a new file and there is insufficient space on the specified unit. That is, LOCATION has been specified and the number of tracks required exceeds the capacity of the pack.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CT PJ ^{xx}		1	<p>Message Text: "Pack name"</p> <p>Reason: A pack is to be remounted.</p> <p>Recovery 1: Continue after remounting the correct pack. If log is not on, each preceding volume of the file must be remounted on the unit specified on the FILE statement until end of job is reached.</p> <p>Note: If a machine failure occurs or a pack is powered down before a program has reached end-of-job, this message will only cause the following system log output:</p> <p>FILE (file name) WAS NOT PROCESSED. (pack name) READ ONLY PACK.</p>
CI PU	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: Duplicate file names have been found in the FILE statements.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

↑
Unit code of the
affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI PY 01	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to allocate a disk file as an indexed file, and the FILE statement specifies only one track. An indexed file requires at least two tracks.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI PY 02	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to allocate an indexed file or a multi-volume file as a split cylinder file.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
DUPZ	8	<u>03</u>	<p>Reason: The forms length is being changed to a value that is less than the current line value.</p> <p>Recovery 0: Position the forms to line 1 and continue.</p> <p>3: Immediate cancel.</p>
CI P6	4	<u>3</u>	<p>Reason:</p> <ol style="list-style-type: none"> 1. An inquiry program is attempting to create a new file with the same label and date as an existing file on this pack. The existing file is used by the program rolled out by this inquiry request. 2. The other program partition is creating a file with the same label and date as this partition. This partition cannot create or access the file. 3. A program has two FILE statements with duplicate LABEL, DATE, and PACK parameters for a new file in this partition. The location parameters are either not given or are given but not equal. <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p> <p>For reasons 1 and 2, if a new file is desired, change the system date or job date and rerun the job. For reason 3, correct the file statements and rerun the job.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
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CI P-01	4	<u>3</u>	Message Text: "Filename"
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Reason: An attempt is being made to create a split cylinder file, and LOCATION-FILENAME is not given, or the filename either does not exist or is not being created at the same time.

Probable user error.

Recovery 3: Immediate cancel. The first split cylinder file must be a temporary or permanent file, or must be allocated in the same job step as a new split cylinder file.

CI P-02	4	<u>3</u>	Message Text: xx"Filename"."Filename"
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↑ ↑ ↑
 File specified File being created.
 with RETAIN-S.
 Unit code of affected device.

Reason: An attempt is being made to create a split cylinder file, and the file referenced by LOCATION-FILENAME has been specified with RETAIN-S.

Recovery 3: Immediate cancel. The file referenced by LOCATION-FILENAME should be RETAIN-P or RETAIN-T.

CI P-03	4	<u>3</u>	Message Text: xx"Filename"
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 Unit code of affected device.

Reason: An attempt is being made to create a split cylinder in this program partition; however, the file referenced by LOCATION-FILENAME is active with RETAIN-S in the other program partition or rollout area.

Recovery 3: Immediate cancel.

CI P-04	4	<u>3</u>	Message Text: xx"Filename"
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 Unit code of affected device.

Reason: An existing split cylinder file has been referenced using RETAIN-S in this program partition, while a new split cylinder file is being added to it by the other program partition or a rolled out program.

Recovery 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI P' 01		23	<p>Reason: More than four requests have been made to allocate work files for the 5445 disk, or too many files have been specified to allow room for the allocation of system work files.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI P' 02		23	<p>Reason: More than four requests have been made to allocate work files for the 5445 disk, or too many files have been specified to allow room for the allocation of system work files.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CI RS xx	4	<u>023</u>	<p>Reason: The current job wants to use space on a pack that contains a scratch file.</p> <p>Recovery 0: Continue. All scratch files are removed and the current job continues.</p> <p>2: Controlled cancel. The scratch files remain intact.</p> <p>3: Immediate cancel. The scratch files remain intact.</p>

↑
Unit code of the
affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CR ST EP			<p>Reason: Invalid stepname. The stepname in the LOAD statement exceeds eight characters or contains a comma. A stepname will be generated from the program name with a 2-digit number added.</p> <p>Recovery: This is an information message only.</p>
VF TA 01	2	<u>12</u>	<p>Message Text: INVALID TRACE CONTROL STATEMENT</p> <p>Reason: A valid TRACE or END statement was not found.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p>
VF TA 02	2	<u>12</u>	<p>Message Text: INVALID TRACE CONTROL STATEMENT</p> <p>Reason: The keyword cannot be recognized. Not TYPE or TABLE.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p>
VF TA 03	2	<u>12</u>	<p>Message Text: INVALID TRACE CONTROL STATEMENT</p> <p>Reason: The TABLE SIZE is greater than 8K or less than 2K.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p>
VF TA 04	2	<u>12</u>	<p>Message Text: INVALID TRACE CONTROL STATEMENT</p> <p>Reason: The K is missing after TABLE size in the TRACE statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>2: Controlled cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
VF TA 05	2	<u>12</u>	<p>Message Text: INVALID TRACE CONTROL STATEMENT</p> <p>Reason: A comma, blank, or quote was not found after a valid TYPE or TABLE.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="padding-left: 40px;">2: Controlled cancel.</p>
VF TA 06	2	<u>12</u>	<p>Message Text: INVALID TRACE CONTROL STATEMENT</p> <p>Reason: The TYPE parameter cannot be recognized.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="padding-left: 40px;">2: Controlled cancel.</p>
VF TA 07	2	<u>12</u>	<p>Message Text: INVALID TRACE CONTROL STATEMENT</p> <p>Reason: A /* or a /& was read before the END statement.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p style="padding-left: 40px;">2: Controlled cancel.</p>
VF TB 01	2	<u>2</u>	<p>Message Text: INVALID TRACE ATTEMPT</p> <p>Reason: Attempting to run the trace program in partition two.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel;</p>
VF TB 02	2	<u>2</u>	<p>Message Text: INVALID TRACE ATTEMPT</p> <p>Reason: Attempting to start the trace program, but it is already active.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
VF TB 03	2	<u>2</u>	<p>Message Text: INVALID TRACE ATTEMPT</p> <p>Reason: Less than 8K of main storage for partition one and the table size is too large for the program to run.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p>
VF TB 04	2	<u>2</u>	<p>Message Text: INVALID TRACE ATTEMPT</p> <p>Reason: Attempting to end the trace program, but it is not active.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p>
VF TB 05	2	<u>2</u>	<p>Message Text: PERM DISK ERROR ON C/S xxxx IN \$TRACE FILE</p> <p>Reason: A permanent disk error occurred while writing the \$TRACE file to F1.</p> <p>Recovery 2: If only one track was allocated for the \$TRACE file, use the SERV-AID dump program to dump the supervisor. This provides a printed copy of the trace table in storage. Then respond to this message with the 2 option.</p> <p>Note: You should use the \$ALT program to assign an alternate track for the cylinder/sector that caused the disk error.</p>
VF TB 06	2	<u>2</u>	<p>Message Text: UNIT PARAMETER MUST BE F1</p> <p>Reason: You are attempting to allocate to a unit other than F1.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP U0		3	<p>Message Text: RPG COMPILER ERROR</p> <p>Reason: The RPG compiler detected an internal error.</p> <p>Recovery 3: Immediate cancel. Take a main storage dump and contact IBM for programming support.</p>
RP U1 nn	4	<u>123</u>	<p>Message Text: UNIDENTIFIED RECORD IN FILE</p> <p>Reason: Statement number nn on the RPG II source listing indicates the file containing the unidentified record.</p> <p>Note: If sequence is important and double buffering is being used to process a card file, the 3 option should be selected for this halt. If the 0 or 1 option is selected, the cards may be processed out of order.</p> <p>Probable user error.</p> <p>Recovery 1: Bypass to beginning of RPG II cycle and read again from this file. This option does not apply to demand files. For chained files, the read may not be from the same file.</p> <p>2: Controlled cancel. Store tables and execute LR calculations and LR output if available.</p> <p>3: Immediate cancel.</p>

↑
Number of the
source statement.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP U2 nn	4	<u>123</u>	<p>Message Text: UNIDENTIFIED RECORD: DEMAND FILE</p> <p>Reason: Statement number nn on the RPG II source listing indicates the file containing the unidentified record.</p> <p>Note: If sequence is important and double buffering is being used to process a card file, the 3 option should be selected for this halt. If the 1 option is selected, the cards may be processed out of order.</p> <p>Probable user error.</p> <p>Recovery 1: Bypass to the beginning of the RPG II cycle.</p> <p>2: Controlled cancel. Store tables and execute LR calculations.</p> <p>3: Immediate cancel.</p>
CI UA	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: Halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● Attempting to create an offline multi-volume scratch file and this is not allowed. ● Attempting to access a scratch file as an offline multi-volume file and this is not allowed. ● Offline multi-volume files cannot have any volumes with RETAIN-S. <p>Note: An offline multi-volume temporary file cannot be changed to an offline scratch file.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. These files must be either permanent or temporary.</p>

Number of the source statement.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI UC xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● The deferred input file could not be found on the specified pack. ● The DATE, LOCATION, TRACKS, or RECORDS parameter specified on the FILE statement did not match the characteristics of the referenced deferred input file on the specified pack. <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
CI UD xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>	4	<u>023</u>	<p>Message Text: "Filename"</p> <p>Reason: RETAIN-S was specified for deferred input of a permanent file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The RETAIN parameter specified on the FILE statement is ignored.</p> <p style="padding-left: 40px;">2: Controlled cancel.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>
CI UE xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>	4	<u>13</u>	<p>Message Text: "Filename"</p> <p>Reason: An attempt is being made to reference a disk file and the pack name on the specified unit does not match the FILE statement pack specification or the pack may not be initialized.</p> <p>Note: The pack is removable.</p> <p>Probable user error.</p> <p>Recovery 1: Retry after the correct pack is mounted.</p> <p style="padding-left: 40px;">3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI UF xx ↑ Unit code of the affected device.	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: A disk file has been referenced by name and date, but the file name cannot be found.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. A date should be given on the FILE statement only when referencing the existing files with the same name but different creation dates.</p>
CI UH xx ↑ Unit code of the affected device.	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> • Attempting to create a multi-volume file that will have the same label as an existing file. • Attempting to create a single-volume file that will have the same label as an existing multi-volume or split cylinder file. • Attempting to create a split cylinder file that will have the same label as an existing file. <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. Multi-volume, single volume, and split cylinder file labels must be unique.</p>
CI UJ xx ↑ Unit code of the affected device.	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: A referenced disk file has been found on the specified unit; however, the location is not the same and no space was specified.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. If the location is given but is different, it is assumed that a new output file is to be created. Therefore, either TRACKS or RECORDS must be specified.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI UL xx ↑ Unit code of the affected device.	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: File cannot be found and no TRACKS or RECORDS parameters are given.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. To correct the problem</p> <ol style="list-style-type: none"> 1. If the old file was wanted, the job was probably started with the wrong pack online. 2. If a new file is desired, either TRACKS or RECORDS must be specified.
CI UP xx ↑ Unit code of the affected device.	4	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: A permanent file is being referenced with RETAIN-S on the FILE statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The RETAIN specified on the FILE statement is ignored.</p> <p>3: Immediate cancel.</p>
SP UT AD			<p>Message Text: DEVICE IS BEING USED</p> <p>Reason: The device required for the START PRT, START PCH, START RDR, RESTART PCH or RESTART PRT command is allocated to partition 1 or 2.</p> <p>Recovery: Wait for the partition to release the device, then retry the spooling command that caused the halt.</p>
SP UT AF		01	<p>Message Text: ALIGN FORM TO LINE 1</p> <p>Reason: ALIGN-YES was specified in the PRINTER statement to request first page forms alignment for this job step's spooled printed output.</p> <p>Recovery 0: Continue. The forms are aligned properly.</p> <ol style="list-style-type: none"> 1: Retry. The first line is reprinted and the halt is reissued. If the unit record restart function was selected during system generation, the 1 option response is issued when the printer is made ready by pressing START.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT AP			<p>Message Text: PRT RESTART PENDING</p> <p>Reason: A RESTART PRT command has been entered.</p> <p>Recovery: Correct the condition which caused the RESTART command to be entered, then continue.</p>
SP UT CA			<p>Message Text: CANNOT ACCEPT RESTART</p> <p>Reason: There is a previous halt for the spooled device that has not received a response. The device is:</p> <ul style="list-style-type: none"> • The spooled printer if RESTART or RESTART PRT was entered. • The spooled punch if RESTART PCH was entered. <p>Recovery: Respond to the previous halt, then retry the RESTART command. Examples of the previous halt are:</p> <p style="padding-left: 40px;">Printer – SP UT AF or SP UT AP Punch – SP UT CC or SP UT EP</p>
SP UT CC			<p>Message Text: CHANGE CARD TO TYPE nnn</p> <p>Reason: A card change is required to the type indicated in nnn. The card type is specified by the CARDNO parameter in the PUNCH statement, or is the default card type specified at system generation if the CARDNO parameter was not given.</p> <p>Recovery: NPRO all cards from the punch device, place the required cards in the hopper, and continue.</p>
SP UT CF		01	<p>Message Text: CHANGE FORM TO TYPE nnn</p> <p>Reason: A forms change is required to the type indicated in nnn. The forms type is specified by the FORMSNO parameter in the PRINTER statement, or is the default forms type specified at system generation if the FORMSNO parameter was not given.</p> <p>Recovery 0: Place the correct forms in the printer and continue without separator pages.</p> <p>1: Place the correct forms in the printer and continue with separator pages.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT CH		2	<p>Message Text: SPOOL FILE DISK ERROR</p> <p>Reason: A permanent disk error has occurred in the spool file.</p> <p>Recovery 2: Controlled cancel. If the message is issued from partition 1 or 2 (preceded by a 1 or 2), the program executing is cancelled, with all files being closed. If the message is issued by the print writer, punch writer, or reader (preceded by an S), that spooling activity is immediately terminated.</p>

CAUTION

This is a serious condition.

Additional jobs or job steps should not be executed in the program partition using spooling until the following is done:

- Attempt to print and/or punch all data on the queues by using the writers. This attempt may be partially or totally unsuccessful due to the severity of the condition.
- Reinitialize the disk pack before it is used for spooling again.

Note: This message issued by spooling is not logged to the printer.

SP UT CS			<p>Message Text: CANNOT SPOOL THIS JOB</p> <p>Reason: SPOOL-NO was specified on the JOB statement being read by the reader.</p> <p>Recovery: All cards in the job will be read until a /. or a JOB statement is read. The job with SPOOL-NO specified is not put on the reader queue. Before continuing, you may remove the job in error from the reader, but a /. or a JOB statement must precede the next job.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT DE			<p>Message Text: SPOOL FILE DISK ERROR</p> <p>Reason: A permanent disk error has occurred while attempting to access a spool file associated with the partition currently going to end of job step or end of job.</p> <p>CAUTION This is a serious condition.</p> <p>Any spooled printed or punched output may not appear on the appropriate output queue unless DEFER-NO was specified in the OCL for the spooled output. If displaying the output queue(s) does not show the job step's output as being on the queue, then it will be necessary to re-IPL before the job step(s), which are not displayed, may be removed from the queue.</p> <p>If the partition is going to end of job, any spooled input for that job may not be removed from the reader queue.</p> <p>Recovery: No additional jobs or job steps should be executed in the program partitions using spooling until the following is done:</p> <ul style="list-style-type: none"> ● Attempt to print and/or punch all data on the queues by using the print and/or punch writers. This attempt may be partially or totally unsuccessful due to the severity of the condition. ● Reinitialize the disk pack before it is used for spooling again. <p>Note: This message is not logged on the printer.</p>
SP UT DF		03	<p>Message Text: THE SPOOL FILE CONTAINS DATA</p> <p>Reason: A START SPOOL,NEW command was requested but one or more of the queues in the spool file has data.</p> <p>Recovery 0: Continue. The spool file will be reformatted and the previous contents will be destroyed.</p> <p>3: Immediate cancel. Spooling will not be activated.</p>
SP UT EP			<p>Message Text: END OF PCH STEP</p> <p>Reason: The punch writer has completed punching a step or copy of a step.</p> <p>Recovery: Remove the punched output from the stacker(s) of the punch I/O device and continue. The punch writer places the last output card for the step in the stacker so there is no need to perform an NPRO.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT FF		1	<p>Message Text: SPOOL FILE IS FULL</p> <p>Reason: The spool file has been filled because the reader is putting jobs on the reader queue, or print or punch records are being put on their respective queues from one or both partitions.</p> <p>Recovery 1: Retry when space is available. You can determine when space is available or make space available as follows:</p> <ul style="list-style-type: none"> ● Display the queues. ● If there is output on the print and/or punch queue(s) for one or more job steps, wait until the output from a step has been produced. (Start the corresponding writers if they are not active.) ● If there are jobs on the reader queue, and a program partition is idle, start the partition and wait until the job is complete. ● Cancel job(s) on the reader queue or the output from job step(s) on the print and/or punch queue(s). <p>If it is not desirable to free or wait for disk space, the partition which issued the halt may be cancelled. However, output for the partition is kept on the output queues unless cancelled by an operator control command.</p>

CAUTION

If the queues are empty when this halt occurs, it is not possible to free additional disk space. The job(s) that is executing cannot continue. You must perform an IPL operation. The data produced may be obtained by starting the corresponding writer(s) after performing the IPL operation. If the job(s) is to be rerun after performing the IPL operation, the spool file must be reformatted first, by using the START SPOOL, NEW command.

Note: This message, issued by spool, is not logged to the printer.

SP UT FZ			<p>Message Text: FORM SIZE CHANGE</p> <p>Reason: The forms length for the printer is being changed by an executing program to a value that is less than the current line value.</p> <p>Recovery: Position the forms to line 1 and continue.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT IE			<p>Message Text: DISK ERROR \$SPOOL FILE INDEX</p> <p>Reason: A permanent disk error occurred while attempting to access the spool file index associated with a spool CHANGE command.</p> <p>CAUTION: This is a serious condition.</p> <p>Recovery: No additional jobs or job steps should be executed in the program partitions using spooling, until the following is done:</p> <ul style="list-style-type: none"> ● Attempt to print and/or punch all data on the queues by using the print and/or punch writers. This attempt may be partially or totally unsuccessful due to the severity of the condition. ● Reinitialize the disk pack before it is used for spooling again.
SP UT IF		3	<p>Message Text: AN INVALID \$SPOOL FILE WAS FOUND</p> <p>Reason: A \$SPOOL file was found on the pack that was not created by spool.</p> <p>Recovery 3: Immediate cancel. Spooling is not activated. Remove the invalid \$SPOOL file from the pack, mount a different pack, or specify a different spool drive via the START SPOOL command.</p>
SP UT JE			<p>Message Text: "jobname" JOB STATEMENT IS IN ERROR</p> <p>Reason: Informational message indicating that the JOB statement for the job (on the reader queue) specified in a CHANGE command is in error and the change is disallowed.</p> <p>Recovery: Cancel the job from the reader queue, correct the JOB statement, and place job back on the reader queue.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT NA			<p>Message Text: RDRQ/PCHQ IS NOT ACTIVE</p> <p>Reason: The requested queue specified in the HOLD, RELEASE, CANCEL, or CHANGE command implies a function that is not supported.</p> <p>Recovery: Specify only supported spooling functions.</p>
SP UT NF			<p>Message Text: jobname [stepname] WAS NOT FOUND</p> <p>Reason: The jobname [stepname] specified in a HOLD, RELEASE, CANCEL, or CHANGE command could not be found. If stepname was not given in the command, only jobname is given in the message text.</p> <p>Recovery: This is an information message. The job/step may not be on the queue, or the name may have been misspelled. The command may be reentered.</p>
SP UT NI		13	<p>Message Text: NO INPUT JOB AVAILABLE</p> <p>Reason: An attempt is being made to get a job from the reader queue but the job(s) on the reader queue are not scheduled for execution in the requesting partition, or main storage is not available in the requesting partition for the job(s) on the reader queue.</p> <p>Recovery 1: Put a job for the partition on the reader queue, then select option 1 to continue.</p> <p>3: Immediate cancel. The execution request is cancelled and the system returns to end of job in the partition.</p> <p><i>Note:</i> A 3 option response is logged as a 2 option in the ES message.</p> <p>Note: Job(s) on the reader queue may be scheduled for the partition; however, there may not be enough main storage available in the partition to execute the job. If it is possible to increase the size of the partition, take option 3 to return to end of job. Set the partition size with the SET command, then attempt to execute the job on the reader queue.</p> <p>This message issued by spooling is not logged to the printer.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT NP			<p>Message Text: NPRO PCH DEVICE</p> <p>Reason: The punch writer has been stopped by the operator during punching of a step from the punch queue.</p> <p>Recovery: If the punch device is to be used by a component other than the punch writer, remove the cards from the punch stackers and save the cards that are run out by the NPRO operation. Press ENTER to continue.</p>
SP UT NS		3	<p>Message Text: NOT ENOUGH SPACE ON DISK</p> <p>Reason: The disk pack on the spooling unit does not have the required space in VTOC or enough contiguous cylinders for the \$SPOOL file.</p> <p>Recovery 3: Immediate cancel. To rerun, mount a new pack on the drive specified by the START SPOOL command or on the drive specified during system generation, specify a different drive, or change the number of cylinders for the \$SPOOL file with the START SPOOL command. It is also possible to free-up space on the disk by performing an IPL operation, canceling spool, deleting the unneeded files on the disk on which \$SPOOL is being allocated, then performing an IPL again to use the system with spooling.</p>
SP UT PR			<p>Message Text: PCH RESTART PENDING</p> <p>Reason: A RESTART PCH command has been entered.</p> <p>Recovery: Correct the condition that caused the RESTART command to be entered, then continue.</p>
SP UT PT			<p>Message Text: PCH WRITER TERMINATED</p> <p>Reason: The punch writer terminated as a result of a STOP PCH command, an I/O error for which a 2 or 3 option was selected, or bad data found in the punch queue. Bad data on a queue could result if an IPL is performed while one or both program partitions were executing under spool.</p> <p>Recovery: To start the punch writer again, enter a START PCH command.</p>
SP UT PW			<p>Message Text: PRT WRITER TERMINATED</p> <p>Reason: The print writer terminated as a result of a STOP PRT command, an I/O error for which a 2 or 3 option was selected, or bad data found in the print queue. Bad data on a queue could result if an IPL is performed while one or both program partitions were executing under spool.</p> <p>Recovery: To start the print writer again, enter a START PRT command to continue. This step can be restarted, if the termination was in the middle of a print step, with the RESTART command.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT QE			<p>Message Text: PRTQ/PCHQ IS EMPTY/HELD</p> <p>Reason: The print queue or punch queue is empty, the queue has been held, or all job steps on the queue have been held.</p> <p>Recovery: If the queue is held, or if all jobs are held, release the queue or desired job(s). When steps are available on the queue for output, respond to the message to allow the writer to continue.</p> <p>Message Text: PRTQ IS EMPTY/HELD TYPE nnn</p> <p>Reason: This message is issued only when the forms type is specified on the START PRT command. The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● The print queue does not contain any job steps that specify the forms type displayed in the message text. ● All job steps of the type displayed in the message text are held. ● The queue is held. <p>Recovery: If the queue is held, or if the job steps are held, release the queue or desired job steps. When steps are available on the queue for output, respond to the message to allow the writer to continue.</p>

SP UT RE		13	<p>Message Text: RDRQ IS EMPTY/HELD</p> <p>Reason: An attempt is being made to get a job from the reader queue but there are no jobs on the reader queue, or all jobs on the reader queue are held, or the reader queue is held.</p> <p>Recovery 1: Retry. Put job(s) on the reader queue with the START RDR, command, release the jobs on the reader queue, or release the reader queue. The first job on the reader queue for the requesting partition will then be loaded.</p> <p>3: Immediate cancel. The execution request is cancelled and the partition returns to end of job.</p> <p><i>Note:</i> A 3 option response is logged as a 2 option in the ES message.</p> <p>Note: This message issued by spooling is not logged to the printer.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT RP		01	<p>Message Text: READY PCH DEVICE</p> <p>Reason: A START PUNCH command has been entered.</p> <p>Recovery 0: Continue. The cards were not run out from the punch device when the punch writer was stopped, and it is not necessary to reposition them now.</p> <p>1: Place the cards that were previously run out from the punch device (when the punch writer was stopped), in front of the blank cards in the punch hopper. The punch writer will issue the appropriate commands to reposition the cards to resume punching.</p>
SP UT RT			<p>Message Text: SPOOL RDR TERMINATED</p> <p>Reason: The SPOOL RDR terminated as a result of a STOP RDR request, two /. statements read in succession from the spooled reader, or an I/O error occurred for which a 2 or 3 option was selected.</p> <p>Recovery: To start the reader again, enter a START RDR command.</p>
SP UT RQ			<p>Message Text: jobname [stepname] IS RELEASED/HELD/CANCELED</p> <p>Reason: The job step was released, held, or cancelled. If stepname was not given in the command, only the jobname is given in the message text.</p> <p>Recovery: This is an information message.</p>
SP UT RQ			<p>Message Text: RDRQ/PRTO/PCHQ IS RELEASED/HELD/CANCELED</p> <p>Reason: The queue is held, released, or cancelled.</p> <p>Recovery: This is an information message.</p>
SP UT RQ			<p>Message Text: jobname [stepname] G-PTY m to n</p> <p>Reason: The priority of the job or jobstep was changed. G-PTY indicates that the CHANGE PTY command was entered. The m indicates the priority before the change; the n indicates the priority after the change.</p> <p>Recovery: This is an information message.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT RQ			<p>Message Text: jobname [stepname] G-FRM mmm TO nnn</p> <p>Reason: The forms type called for by the job on the print queue was changed. G-FRM indicates that the CHANGE FRM command was entered. The mmm indicates the forms type before the change; the nnn indicates the forms type after the change.</p> <p>Recovery: This is an information message.</p>
SP UT RQ			<p>Message Text: jobname [stepname] G-CRD mmm TO nnn</p> <p>Reason: The card type called for by the job on the punch queue was changed. G-CRD indicates that the CHANGE CRD command was entered. The mmm indicates the card type before the change; the nnn indicates the card type after the change.</p> <p>Recovery: This is an information message.</p>
SP UT RQ			<p>Message Text: jobname G-CORE mm TO nn, jobname G-CORE mm TO PTN, jobname G-CORE PTN TO nn, or jobname G-CORE PTN TO PTN</p> <p>Reason: The main storage requirement of the job on the reader queue was changed. G-CORE indicates that the CHANGE CORE command was entered. The mm indicates the CORE value for the job before the change; the nn indicates the CORE value for the job after the change; and PTN indicates partition size and is displayed if CORE was changed to zero or if CORE was not specified in the JOB statement.</p> <p>Recovery: This is an information message.</p>
SP UT RQ			<p>Message Text: jobname G-PTN m TO n</p> <p>Reason: The partition assignment of the job on the reader queue was changed. G-PTN indicates that the CHANGE PTN command was entered. The m indicates the partition assignment for the job before the change; the n indicates the partition assignment for the job after the change.</p> <p>Recovery: This is an information message.</p>
SP UT RQ			<p>Message Text: jobname [stepname] G-CPY mm to nn</p> <p>Reason: The number of output copies to be produced by the job on the print or punch queue was changed. G-CPY indicates that the CHANGE CPY command was entered. The mm indicates the number of copies to be produced before the change; the nn indicates the number of copies to be produced after the change.</p> <p>Recovery: This is an information message.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SP UT SA			<p>Message Text: SPOOL IS ACTIVE P1/P2</p> <p>Reason: Spool has been activated for the program partition indicated in the displayed message text.</p> <p>Recovery: This is an information message.</p>
SP UT SF			<p>Message Text: STACKER IS FULL</p> <p>Reason: With stacker rolling active for the spool reader device (MFCU only), this halt indicates that stacker 4 is full.</p> <p>Recovery: Remove cards from all stackers and respond to the halt by pressing PF12, then ENTER. Stacking continues in stacker 1.</p>
SP UT SH			<p>Message Text: SPOOL IS HALTED P1/P2</p> <p>Reason: Spooling has been halted for the requested program partition as a result of a STOP SPOOL command.</p> <p>Recovery: This is an information message.</p>
SP UT TM			<p>Message Text: mm/dd/yy hh:mm:ss hh:mm:ss qqg</p> <p>Reason: The spool print or punch writer has finished printing or punching a job step. The fields in the message are start date, start time, stop time, and the writer:</p> <p>mm = month, dd = day, yy = year.</p> <p>hh = hours, mm = minutes, ss = seconds.</p> <p>qqg = writer.</p> <p>Recovery: None.</p> <p>Note: This message will only be written in the system history area.</p>
SP UT WA			<p>Message Text: READER/WRITER ACTIVE</p> <p>Reason: A START RDR request was not accepted because the punch writer is active, or a START PCH request was not accepted because the reader is active.</p> <p>Recovery: Stop the active reader or punch (or allow the reader to terminate), via a STOP request, then reenter the desired START request.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI UU xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: Disk pack not available. A disk file has been referenced but the requested pack is not available because:</p> <ol style="list-style-type: none"> 1. An attempt is being made to reference a disk file and the pack name of the specified unit does not match the FILE statement pack specification. However, the referenced pack cannot be dismounted. 2. The same unit was previously requested in the current OCL with a different pack name and the OCL did not specify that the pack could be changed. 3. The other program partition is using the specified unit with another pack. 4. The other program partition is using the unit with the requested pack, but either that program or the one attempting to start may require that the pack be dismounted. 5. An offline multi-volume file has been specified on the program or system (IPL) pack. 6. The pack may not be initialized. <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CI UY xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reasons: (1) The file you are referencing is a System/3 BASIC file, or the file name of the file you are creating is already used by a System/3 BASIC file. System/3 BASIC file names must be unique. (2) The file you are referencing is the system \$SPOOL file. The \$SPOOL file is restricted to system use only.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CI UØ xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>	4	<u>3</u>	<p>Message Text: "Filename"</p> <p>Reason: An existing file has been referenced. However, either the location or the tracks/records specified do not match the specifications of the file.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel. The location must be the same, and the space specification of the same type, either tracks or records, and the same number as originally specified.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CP U- A1		3	<p>Reason: Termination error during assignment build.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
CP U- A3		0123	<p>Reason: An error during user security processing.</p> <p>Probable user error.</p> <p>Recovery 0: Continue processing.</p> <p>1: Ignore the record, another record is read from the system input device.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CP U- A4	4	<u>03</u>	<p>Reason: An error during a storage dump from disk.</p> <p>Recovery 0: Read next control statement.</p> <p>3: Immediate cancel.</p>
CP U- AC		23	<p>Reason: A system task has gone to end of job invalidly. This may have been caused by an MLTA adapter check.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Contact IBM for hardware support.</p>
CP U- AF		3	<p>Reason: Permanent disk error.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: If this error continues to occur, contact IBM for hardware support.</p>
CP U- BC		23	<p>Reason: Bad START code from MLTA IOCS.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Contact IBM for programming support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CP U- CC		23	<p>Reason: Invalid disk record number.</p> <p>Recovery 2: Controlled cancel.</p> <p>D: Respond with a D option in place of the 3 option for a storage dump. Contact IBM for programming support.</p>
CP U- DL	4	<u>3</u>	<p>Reason: CCP start-up error.</p> <p>Recovery D: Respond with a D option in place of the 3 option for a storage dump. Contact IBM for programming support.</p>
CP U- DM	4	<u>3</u>	<p>Reason: CCP start-up error.</p> <p>Recovery D: Respond with a D option in place of the 3 option for a storage dump. Contact IBM for programming support.</p>
CP U- EE		03	<p>Reason: The display was not generated because of a terminating error.</p> <p>Probable user error.</p> <p>Recovery 0: Continue with the next display.</p> <p>3: Immediate cancel.</p>
CP U- F1		03	<p>Reason: Warning errors occurred during display format generation.</p> <p>Probable user error.</p> <p>Recovery 0: Display format is placed in the library.</p> <p>3: Immediate cancel.</p>
CP U- F2		3	<p>Reason: CCP generation specification error.</p> <p>Recovery 3: Immediate cancel. After correcting your generation control statements, restart by calling procedure \$CG1G1.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CP U- FE		23	<p>Reason: An error on a freemain attempt.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Contact IBM for programming support.</p>
CP U- GE		2	<p>Reason: An error exists in the CCP generation code.</p> <p>Recovery 2: Controlled cancel.</p> <p>Note: Contact IBM for programming support.</p>
CP U- HE		23	<p>Reason: Permanent disk error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: If this error continues to occur, contact IBM for hardware support.</p>
CP U- OB		3	<p>Reason: End of extent on object file (\$WORK).</p> <p>Recovery 3: Immediate cancel.</p>
CP U- PC		23	<p>Message Text: xxxx TASK HAS PROG CHECK, USE DUMP SYSTEM COMMAND, THEN REPLY 2 TO CLOSE FILES, 3 TO CANCEL</p> <p>Reason: A program check has occurred in a CCP system task. The system task is identified in the message text.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Contact IBM for programming support.</p>
CP U- PU		23	<p>Reason: Punch unit not available.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CP U- RC		23	<p>Reason: Invalid MLTA/MLMP return code.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Contact IBM for programming support.</p>
CP U- SC		3	<p>Reason: An end of file occurred on the source file. Check to see that the SWITCH statement was used properly when the macroprocessor step has not preceded the assembly. If the SWITCH statement was used correctly, contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
CP U- SO	2	<u>3</u>	<p>Reason: More than 32,767 statements in the \$SOURCE file.</p> <p>Recovery 3: Immediate cancel.</p>
CP U- SS		23	<p>Reason: An invalid sense status was received.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Contact IBM for hardware support.</p>
CP U- TE		23	<p>Reason: A translation error occurred on a system put operation.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p> <p>Note: Contact IBM for hardware support.</p>
CP U- WK		3	<p>Reason: End of extent on work file (\$WORK2).</p> <p>Recovery 3: Immediate cancel.</p>
CP U- YA		23	<p>Reason: No user security module.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CP U- U-		3	<p>Reason: A system error has occurred during recovery from a previous system error.</p> <p>Recovery D: Respond with a D option in place of the 3 option for a storage dump. Contact IBM for programming support.</p>
CIU' xx	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> • VTOC is full. The current OCL indicates that one or more files that do not exist be created and there is not enough space left in the VTOC. • The number of indexed multi-volume files allowed per pack has been exceeded. The maximum is two. • The number of single-volume indexed files that use the HIKEY parameter has been exceeded. The maximum is two. <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel. The VTOC may be examined by use of the file and volume label display program. Any permanent or temporary files no longer needed may be removed from the VTOC by use of the file delete program.</p>
DD V5 xx	2	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The file is referenced for consecutive update and this is an indexed file.</p> <p>Recovery 2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>
DD V6 xx	2	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The existing file has been referenced but it has the wrong record length.</p> <p>Recovery 2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>

Unit code of the affected device.

Unit code of the affected device.

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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD V7 ^{xx}	2	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The existing file has been referenced but it has the wrong key length or key location.</p> <p>Recovery 2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed end of extent occurs.</p> <p>3: Immediate cancel.</p>
<hr/>			
RP WT Ob			<p>Message Text: USER SPECIFIED MESSAGE</p> <p>Reason: A DSPLY operation has been executed in an RPG II object program. The program run sheet should provide further information about the message.</p> <p>Recovery: The program does not wait for a response but a response is required to remove the message from the unresponded queue.</p>
<hr/>			
RP WT OR			<p>Message Text: USER SPECIFIED MESSAGE FIELD (current contents) "response area"</p> <p>Reason: A DSPLY operation has been executed in an RPG II object program and the contents of a field in the program may be modified by the response. The program run sheet should provide further information about the message.</p> <p>Recovery: Position the cursor to the response area (if not already there as a result of pressing program function key 12) and enter the response.</p> <p>Note: See DSPLY operation in the RPG II Reference Manual (SC21-7504) for a complete description of how to enter data.</p>

↑
Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IB Y0 NC		12	<p>Reason: BSCA. No connection on initialization. The system you are trying to connect to is not ready to connect with this system. This halt will not necessarily occur at the beginning of the program, it can occur when a different BSC file is used. The possible reasons for no connection are:</p> <ul style="list-style-type: none"> ● The system you are trying to connect to is not running the job to match the job being run on your system. ● The data phone on the system you are trying to connect to is not on AUTO when required. ● The system you are trying to connect to is not running a BSC job. <p>Recovery 1: Retry. If the halt recurs, check with the other system to determine if they are ready to communicate with you.</p> <p>Note: If the error occurred while attempting to connect to a 2770 or 2780 terminal, the System/3 should initialize the call for the retry.</p> <p>2: Controlled cancel.</p> <p>Note: If more than one BSC file is used by this program, a second BSCA halt or RECEIVE INITIAL may occur. If a second BSCA halt occurs, take the 2 option for that halt. If a RECEIVE INITIAL occurs, perform the IPL process. If this halt occurs during the execution of an RJE program, an RJ START statement may be required to resume processing.</p>
RPY1	4	<u>23</u>	<p>Message Text: INVALID ASCII IN BSCA RECORD</p> <p>Reason: BSCA. The program is attempting to send or receive an invalid ASCII character.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>Note: If more than one BSC file is used by this program, a second BSCA halt or RECEIVE INITIAL may occur. If a second BSCA halt occurs, take the 2 option for that halt. If a RECEIVE INITIAL occurs, perform the IPL process.</p> <p>3: Immediate cancel.</p> <p>Note: For either option taken, return the job to the programmer. Check to determine if only valid ASCII characters are being used. If file translation is being used, check to determine if all characters will be translated properly.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IB Y2		23	<p>Reason: BSCA. The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● Invalid identification, switched networks only. The identification used by this program does not match the identification used by the other program. ● The remote terminal performed an answer, but did not return any identification. ● The connection has been made, but the first record was not received correctly. <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>Note: If more than one BSC file is used by this program, a second BSCA halt or RECEIVE INITIAL may occur. If a second BSCA halt occurs, take the 2 option for that halt. If a RECEIVE INITIAL occurs, perform the IPL process.</p> <p>3: Immediate cancel.</p>
RP Y3	4	<u>23</u>	<p>Message Text: INVALID REQUEST TO BSCA</p> <p>Reason: BSCA. The job attempted to use the output file before the end of file has been received for the input file.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>Note: If more than one BSC file is used by this program, a second BSCA halt or RECEIVE INITIAL may occur. If a second BSCA halt occurs, take the 2 option for that halt. If a RECEIVE INITIAL occurs, perform the IPL process.</p> <p>3: Immediate cancel.</p> <p>Note: For either option taken, return job to programmer.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP Y4	4	<u>23</u>	<p>Message Text: CONNECTION LOST ON BSCA FILE</p> <p>Reason: BSCA. Program lost control. No data was transmitted or received within the time limit specified on the telecommunications specification.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>Note: If more than one BSC file is used by this program, a second BSCA halt or RECEIVE INITIAL may occur. If a second BSCA halt occurs, take the 2 option for that halt. If a RECEIVE INITIAL occurs, perform the IPL process.</p> <p>3: Immediate cancel.</p> <p>Note: For either option taken, return job to programmer.</p>
RP Y5	4	<u>23</u>	<p>Message Text: PERMANENT ERROR ON BSCA FILE</p> <p>Reason: Permanent error on BSC or BSCA. If you do not specify a permanent error indicator, this halt occurs when an error is found. If you do specify a permanent error indicator, the indicator is set on and control is returned to the object program. Processing continues. Possible errors are:</p> <ul style="list-style-type: none">• Communication line is no longer available to transmit or receive data.• Other system sent invalid message. <p>Recovery 2: Controlled cancel.</p> <p>Note: If more than one BSC file is used by this program, a second BSCA halt or RECEIVE INITIAL may occur. If a second BSCA halt occurs, take the 2 option for that halt. If a RECEIVE INITIAL occurs, perform the IPL process.</p> <p>3: Immediate cancel.</p>
IB Y6 BL		123	<p>Reason: An unsuccessful attempt was made to load the display adapter microcode.</p> <p>Recovery 1: Retry. Retry to load the microcode.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IB Y6 MC		23	<p>Reason: Display adapter microcode module cannot be found.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB Y6 NF		23	<p>Reason: A BSCA error occurred while logging statistics for the multipoint control station. The file name MLTERFIL cannot be found on F1.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB Y6 OP		23	<p>Reason: The BSCA file was not opened because:</p> <ul style="list-style-type: none">• The allocated buffer area is not large enough, or• Record length = 0. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB Y6 TS		23	<p>Reason: The area defined in main storage for logging the BSCA terminal statistics for the multipoint control station is not large enough.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB Y6 WU		23	<p>Reason: BSCA error while opening a file. The file named MLTERFIL must be allocated on F1.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
IB Y7		0	<p>Reason: BSCA. You must perform a manual call.</p> <p>Recovery 0:</p> <ol style="list-style-type: none">1. Select option 0.2. Follow the procedures that apply to the modem you have online.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
IB Y8		0	<p>Reason: BSCA. You must perform a manual answer.</p> <p>Recovery 0: 1. Select option 0.</p> <p>2. Follow the procedures that apply to the modem you have online.</p>
IB Y9		23	<p>Reason: Permanent BSCA I/O error when processing last records of a file.</p> <p>Recovery 2: Controlled cancel. For RPG II – store tables and execute LR calculations and LR output if available. If more than one BSC file is used by this program, a second BSCA halt or RECEIVE INITIAL may occur. If a second BSCA halt occurs, take the 2 option for that halt. If a RECEIVE INITIAL occurs, perform the IPL process.</p> <p>3: Immediate cancel. Do not select this option if RJE is executing.</p> <p>Note: If possible, take a main storage dump rather than selecting option 3. Give the dump to the programmer and rerun the job.</p>
RP YA	4	<u>23</u>	<p>Message Text: TWO CONSECUTIVE CONVERSATIONAL REPLY MADE TO BSCA FILE</p> <p>Reason: BSCA. Transmit with conversational reply error. This station has received two records in reply to the last record sent.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel.</p> <p>Note: If more than one BSC file is used by this program, a second BSCA halt or RECEIVE INITIAL may occur. If a second BSCA halt occurs, take the 2 option for that halt. If a RECEIVE INITIAL occurs, perform the IPL process.</p> <p>3: Immediate cancel.</p> <p>Note: The remote terminal program should be checked to ensure that only one reply record is sent for each record received by that terminal.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
CI YH		03	<p>Reason: Cards are about to be punched or diskette is about to be written on the system punch device and this device is also used for system input.</p> <p>Recovery 0: Place blank cards in the punch device, or position the diskette to the data set desired, change to the proper mode, and continue processing.</p> <p>3: Immediate cancel.</p>
CI Y-	4	<u>23</u>	<p>Reason: The block length specified is larger than the amount of space specified on each cylinder for a split cylinder file.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RC b 2 11	2	<u>3</u>	<p>Reason: There is insufficient space in the \$WORK file to compile your COBOL program.</p> <p>Recovery 3: Immediate cancel.</p>
RC b 2 12	2	<u>3</u>	<p>Reason: There is insufficient space in the \$SOURCE file to compile your COBOL program.</p> <p>Recovery 3: Immediate cancel.</p>
RC b 2 13	2	<u>3</u>	<p>Reason: There is insufficient space in the \$WORKX file to compile your COBOL program.</p> <p>Recovery 3: Immediate cancel.</p>
RC b 2 14	2	<u>3</u>	<p>Reason: The COBOL compiler has detected that the subprogram name table exceeds 20 subprogram names.</p> <p>Recovery 3: Immediate cancel.</p>
RC b 2 19	2	<u>03</u>	<p>Reason: The COBOL compiler has detected C or E level diagnostics. This halt will not occur if the LET option is used on the PROCESS statement.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RC 02 A1	2	<u>3</u>	<p>Reason: One of the following has occurred while executing your COBOL object program:</p> <ul style="list-style-type: none"> • The address calculated for a subscripted reference is either over X 'FFFF' (64K), or is more than X '7FFF' (32K) from the beginning of the table. • Subscript is zero or negative. <p>Recovery 3: Immediate cancel.</p>
RC 02 A2	2	<u>3</u>	<p>Reason: One of the following has occurred while executing your COBOL object program:</p> <ul style="list-style-type: none"> • A negative exponent has been found in the program • 0⁰ has been specified in the program. <p>Recovery 3: Immediate cancel.</p>
RC 02 E1	2	<u>3</u>	<p>Reason: A permanent I/O error has occurred while executing the code generated by a READ or WRITE statement in a COBOL object program for the 5424 MFCU or 2560 MFCM.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 E2	2	<u>3</u>	<p>Reason: A permanent I/O error has occurred while executing the code generated by a READ or WRITE statement in a COBOL object program for the 1442 card read punch or 2501 card reader.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 E3	2	<u>3</u>	<p>Reason: A permanent I/O error has occurred while executing the code generated by a READ or WRITE statement in a COBOL object program for the 1403/3284 printer.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 E4	2	<u>3</u>	<p>Reason: A permanent I/O error has occurred for a standard sequential file while executing the code generated by a READ or WRITE statement in a COBOL object program for the 5444 or 5445/3340 disk drive.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 E5	2	<u>3</u>	<p>Reason: A permanent I/O error has occurred for a direct file while executing the code generated by a READ, WRITE, or REWRITE statement in a COBOL object program for the 5444 or 5445/3340 disk drive.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RC 02 E6	2	<u>3</u>	<p>Reason: A permanent I/O error has occurred for an indexed sequential file while executing the code generated by a READ, WRITE, REWRITE, or START statement in a COBOL object program for the 5444 or 5445/3340 disk drive.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 E7	2	<u>3</u>	<p>Reason: A permanent I/O error has occurred for an indexed random file while executing the code generated by a READ, WRITE, REWRITE, or START statement in a COBOL object program for the 5444 or 5445/3340 disk drive.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 E8	2	<u>3</u>	<p>Reason: A permanent I/O error has occurred while executing the code generated by a READ or WRITE statement in a COBOL object program for the 3410/3411 tape.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 F1	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to execute the code generated by a READ or WRITE statement for a 5424 MFCU or 2560 MFCM file that is either not open or has been opened improperly for the requested operation.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 F2	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to execute the code generated by a READ or WRITE statement for a 1442 card read punch or 2501 card reader file that is either not open or that has been opened improperly for the requested operation.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 F3	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to execute the code generated by a READ or WRITE statement for a 1403/3284 printer file that is either not open or that has been opened improperly for the requested operation.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 F4	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to execute the code generated by a READ or WRITE statement for a standard sequential file on a 5444 or 5445/3340 disk drive, and either the file is not open or it has been opened improperly for the requested operation.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RC 02 F5	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to execute the code generated by a READ, WRITE, or REWRITE statement for a direct file on a 5444 or 5445/3340 disk drive, and either the file is not open or it has been opened improperly for the requested operation.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 F6	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to execute the code generated by a READ, WRITE, REWRITE, or START statement for an indexed sequential file on a 5444 or 5445/3340 disk drive, and either the file is not open or it has been opened improperly for the requested operation.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 F7	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to execute the code generated by a READ, WRITE, REWRITE, or START statement for an indexed random file on a 5444 or 5445/3340 disk drive, and either the file is not open or it has been opened improperly for the requested operation.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 F8	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to execute the code generated by a READ or WRITE statement for a 3410/3411 tape file that is either not open or that has been opened improperly for the requested operation.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 H1	2	<u>3</u>	<p>Reason: The COBOL object program is attempting to open a file for which a CLOSE WITH LOCK statement has been issued.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 H2	2	<u>3</u>	<p>Reason: The COBOL object program has detected a permanent I/O error during the execution of the code generated by an ACCEPT statement.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 H3	2	<u>3</u>	<p>Reason: The COBOL object program has detected that the code generated by a DISPLAY, EXHIBIT, or TRACE print operation could not be executed because the \$\$\$STF9 print transient could not be found on the system pack.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 H4	2	<u>3</u>	<p>Reason: A checkpoint for the code generated by a RERUN statement for a COBOL object program could not be taken because the \$\$\$STKP checkpoint transient could not be found on the system pack.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RC 02 H5	2	<u>3</u>	<p>Reason: The code generated by an ACCEPT statement in a COBOL object program for the console could not be executed because the \$\$\$TIC console input transient could not be found on the system pack.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 H6	2	<u>3</u>	<p>Reason: The number of parameters in the code generated by a CALL statement in a COBOL object program does not equal the number of parameters in the code generated by the PROCEDURE DIVISION header of a called program.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 H7	2	<u>3</u>	<p>Reason: The COBOL object program has made an attempt to execute the code generated by an ACCEPT statement after a /& has been read.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 H8	2	<u>3</u>	<p>Reason: The COBOL object program has made an attempt to execute code generated by an OPEN statement for a file that was already open.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 00	2	<u>3</u>	<p>Reason: There is insufficient main storage to compile a COBOL program.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 01	2	<u>3</u>	<p>Reason: The procedure or data division was not found while compiling a COBOL program.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 03	2	<u>3</u>	<p>Reason: The COBOL compiler has detected that the program contains more than 65,535 statements.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 04	2	<u>3</u>	<p>Reason: The COBOL compiler could not find the member specified on the COMPILE statement in the source library.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 05	2	<u>3</u>	<p>Reason: The COBOL compiler has detected that the name table contains more than 32,767 entries.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 06	2	<u>3</u>	<p>Reason: The COBOL compiler has determined that the object program will exceed 65,535 bytes.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RC 02 07	2	<u>3</u>	<p>Reason: The COBOL compiler has detected a permanent I/O error on a reader file.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 08	2	<u>3</u>	<p>Reason: The COBOL compiler has detected a permanent I/O error on a printer file.</p> <p>Recovery 3: Immediate cancel.</p>
RC 02 09	2	<u>3</u>	<p>Reason: The COBOL compiler has detected a permanent I/O error on a disk file.</p> <p>Recovery 3: Immediate cancel.</p>
RC 03 xx		03	<p>Reason: A STOP LITERAL statement has been executed in a COBOL object program so that an operator message can be logged. The program run sheet should provide further information about the message and indicate the operator's response to the message.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p> <p>Note: The user specifies the subhalt which appears in xx in the first two positions of the literal in the STOP LITERAL statement.</p>
VF 04 IM		3	<p>Message Text: INSUFFICIENT MEMORY</p> <p>Reason: There is insufficient main storage to run the requested program.</p> <p>Recovery 3: Immediate cancel.</p>
VF 04 NF		3	<p>Message Text: { O } xxxxxx { P } { R } { S } NOT FOUND</p> <p>Reason: The system cannot find the requested program on disk.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: The program name is logged in the message text. O indicates an object library member, R indicates a relocatable library member. The program name is indicated by xxxxxx. P indicates the program pack, and S indicates the system pack.</p>

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User specified
subhalt.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
VF 04 PC		3	<p>Message Text: One of the following:</p> <p>STORAGE VIOLATION INVALID DEVICE INVALID OP-CODE INVALID ADDRESS PRIVILEGED OP</p> <p>Reason: One of the above program checks occurred in the program partition.</p> <p>Recovery 3: Immediate cancel.</p>
VF 04 SY		3	<p>Message Text: SYSTEM ERROR 01</p> <p>Reason: The program is attempting to enqueue one or more resources while it already owns one or more resources.</p> <p>Message Text: SYSTEM ERROR 02</p> <p>Reason: The program is attempting to dequeue a resource which it does not own.</p> <p>Message Text: SYSTEM ERROR 03</p> <p>Reason: An I/O buffer is not entirely within the partition.</p> <p>Message Text: SYSTEM ERROR 04</p> <p>Reason: An attempt is being made to load a program within the nucleus.</p> <p>Message Text: SYSTEM ERROR 05</p> <p>Reason: An attempt is being made to load a program beyond the end of the partition.</p> <p>Message Text: SYSTEM ERROR 06</p> <p>Reason: An attempt is being made to modify a protected area of the nucleus by use of the SETON/SETOF supervisor call.</p> <p>Message Text: SYSTEM ERROR 07</p> <p>Reason: An attempt is being made to access an invalid device.</p> <p>Message Text: SYSTEM ERROR 08</p> <p>Reason: The program being loaded requires relocation but contains no RLDs. For example, the program was compiled to run under CCP but CCP is not active in this partition.</p>

(continued next page)

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
VF 64 SY (continued)		3	<p>Message Text: SYSTEM ERROR 09</p> <p>Reason: An attempt was made to free a block that was not owned by the requesting task.</p> <p>Message Text: SYSTEM ERROR 10</p> <p>Reason: The simulation routine detected an invalid 5444 scan request.</p> <p>Message Text: SYSTEM ERROR 11</p> <p>Reason: The simulation routine detected an invalid 5444 cylinder request.</p> <p>Message Text: SYSTEM ERROR 12</p> <p>Reason: The simulation routine detected an invalid 5444 sector request.</p> <p>Message Text: SYSTEM ERROR 13</p> <p>Reason: The data module has been accessed beyond cylinder 168.</p> <p>Message Text: SYSTEM ERROR 14</p> <p>Reason: An attempt was made to access the main data area using the simulation routine.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RF 06 XX		023	<p>Message Text: PAUSE xxxx</p> <p>Message Text: STOP xxxx</p> <p>Reason: A FORTRAN STOP or PAUSE statement has been executed. This statement specified the subhalt that is contained in xx.</p> <p>Recovery 0: Continue. This option cannot be selected if a STOP statement caused the message display.</p> <p>2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

RF 07 01	2	<u>3</u>	<p>Message Text: xxxxxx COULD NOT BE FOUND</p> <p>Reason: Error in the FORTRAN compiler. The source library member specified on a COMPILE statement could not be found in the library, or a library does not exist on the pack. The message text (xxxxxx) specifies the name of the source library member.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: Ensure that the program specified in the COMPILE statement exists in the library, and that the correct pack is mounted on the appropriate disk.</p>
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RF 07 02	2	<u>3</u>	<p>Message Text: PROGRAM EXCEEDS AVAILABLE CORE</p> <p>Reason: Error in the FORTRAN compiler. The program is too large to be contained in working main storage.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: Reduce the size of the program by subdividing it into subprograms or by eliminating unnecessary parts of the program, or increase the program partition size.</p>
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RF 07 03	2	<u>3</u>	<p>Message Text: NOT ENOUGH CORE</p> <p>Reason: Error in the FORTRAN compiler. The main storage requirements for the program exceed 62,760 bytes.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: Reduce the size of the program by subdividing it into subprograms or by eliminating unnecessary parts of the program, or increase the program partition size.</p>
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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RF 67 04	2	<u>3</u>	<p>Message Text: PHASE COULD NOT BE FOUND OR \$\$\$TF9 COULD NOT BE FOUND</p> <p>Reason: Error in the FORTRAN compiler. One of the following has occurred:</p> <ol style="list-style-type: none"> 1. \$\$\$TF9 could not be found in the object library on the system pack. 2. One of the compiler phases is missing from the object library on the program pack. <p>Recovery 3: Immediate cancel.</p>
RF 67 05	2	3	<p>Message Text: \$WORK IS FULL</p> <p>Reason: Error in the FORTRAN compiler. The compiler has run out of space on the \$WORK file while writing the object program.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: Increase the size of the \$WORK file.</p>
RF 67 10	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. There is no match for a unit number in the units table, or there are no entries in the table.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 11	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. An attempt has been made to execute a statement requiring output, and the printer is not available. The NOPRINTER statement has been specified.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 12	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. A FORTRAN sub- program requires I/O operations; however, it has not been called by a FORTRAN main program.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RF 07 13	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. The program named in an INVOKE statement could not be loaded because it could not be found in the system library.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 07 14	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. The CALL SLITE statement specifies a value other than 1, 2, 3, or 4.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 07 15	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. The CALL SLITET statement specifies a value other than 1, 2, 3, or 4 to indicate the sense light to test.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 07 16	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. The CALL DATSW statement specifies a value other than from 0 to 15 to indicate the binary switch to test.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 07 17	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. The CALL DUMP or CALL PDUMP statement parameter list is incorrect or missing.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 07 22	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. A logical record is not long enough for an unformatted READ statement.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RF 67 24	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. One of the following invalid requests has been made for a tape or sequential disk file:</p> <ul style="list-style-type: none"> • A READ request followed by a WRITE or ENDFILE • A WRITE request followed by an ENDFILE • An ENDFILE request followed by an ENDFILE <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 25	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. One of the following errors has occurred during the processing of a tape or sequential disk file request:</p> <ul style="list-style-type: none"> • An I/O error has occurred while processing a READ request and no error handling routine is specified in the READ statement. • An I/O error has occurred during WRITE or file positioning. • A wrong-length-record error has occurred during a READ. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 26	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. End of file has occurred and the FORTRAN I/O statement does not specify a routine to handle the condition.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 27	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. End of reel has occurred.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RF 67 28	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. One of the following has occurred:</p> <ul style="list-style-type: none"> • Unformatted I/O is requested for a fixed length record file. • Formatted I/O is requested for a variable length record file. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 30	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. An operation other than a read operation has been specified for the MFCU1, MFCM1, or 2501.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 31	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. One of the following invalid operations has been specified for the MFCU2, MFCM2, or 1442:</p> <ul style="list-style-type: none"> • An attempt has been made to write after reading. • An attempt has been made to read after writing. • An attempt has been made to use the device without defining it with a device options statement at compile time. <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 32	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. An attempt has been made to use FORTRAN I/O after using a commercial subroutine.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 33	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. The operation specified for the printer is not a write operation.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 34	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. An invalid operation has been specified on the CRT/keyboard (3277).</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RF 67 35	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. A READ request has been made on a direct access data set that does not exist.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 36	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. The relative position of the record is either zero or it exceeds the number of records in a direct access data set.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 38	2	<u>23</u>	<p>Reason: An unformatted I/O request was made to a direct access file, where a list variable is larger than the record size.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 42	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. An invalid repeat count in list directed input has been specified.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RF 67 EF	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. End of file has been detected on the MFCU1, MFCU2, MFCM1, MFCM2, 3277, 2501, or 1442.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
RF 67 FC	2	<u>23</u>	<p>Reason: Error in the FORTRAN load module. An attempt has been made to either read or write a record under format control that exceeds the buffer length or read more characters than a record contains.</p> <p>Recovery 2: Controlled cancel.</p> <p>3: Immediate cancel.</p>
CS 68		13	<p>Reason: Device designated as system input for this job is allocated to the other partition or to the spooling support.</p> <p>Probable user error.</p> <p>Recovery 1: Retry to see if device is now available.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD Ø L	4	<u>03</u>	<p>Reason: Records with duplicate keys have been put into an indexed file. Each duplicate key was printed on the log device followed by a blank P halt.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Index will contain duplicate keys. The file should be reloaded after eliminating the duplicate records.</p> <p>3: Immediate cancel. The file cannot be used and should be reloaded.</p>
DD Ø P	4	<u>03</u>	<p>Reason: Duplicate keys encountered after output to an indexed file. The duplicate key is printed on log device unless packed keys are being used. Packed keys are not printable.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. Halt will recur for any subsequent duplicate keys, then halt blank L will occur.</p> <p>3: Immediate cancel. The file cannot be used and should be reloaded.</p>
DD Ø U		23	<p>Reason: Permanent disk I/O error occurred while sorting index after output to an indexed file.</p> <p>Recovery 2: Controlled cancel. Data in the file is correct and may be processed sequentially.</p> <p>3: Immediate cancel.</p>
DD Ø W	2	<u>03</u>	<p>Reason: \$INDEX44 or \$INDEX45 file was specified but the file is not large enough to be used during the key sort.</p> <p>Recovery 0: Continue. The keys will be sorted using the main storage available.</p> <p>3: Immediate cancel.</p>
DD Ø Y	2	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: System error during file termination. The file label cannot be found in the scheduler work area.</p> <p>Recovery 2: Controlled cancel. The format 1 for that file will not be updated.</p> <p>3: Immediate cancel.</p> <p>Note: Contact IBM for programming support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
bb bb bb			<p>Message Text: ENTER SYSTEM DATE</p> <p>Reason: This is a reply-type message. A system date must be entered. It may be entered now or before the first LOAD statement is processed, or before spooling is started.</p> <p>Recovery: Enter the date, then press the ENTER key to continue. If the date is to be entered later (but before the first LOAD statement), press the ENTER key to continue. The reply must not exceed eight characters.</p>

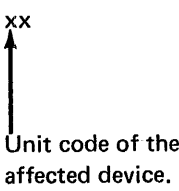
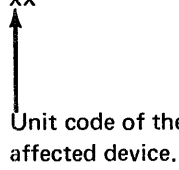
ST b-		3	<p>Reason: The work tape is too short.</p> <p>Recovery 3: Immediate cancel.</p>
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DD b' xx	8	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: A permanent disk I/O error occurred while closing a file or a volume of a multi-volume file during one of the following functions:</p> <ul style="list-style-type: none"> • Flushing the buffers for an output add of update file. • Formatting the balance of the index for an indexed output file. • Building the disk track index for a 5445 indexed file. <p>Recovery 2: Controlled cancel. The file may contain unusable data. (The rest of the files in the program will be closed.)</p> <p>3: Immediate cancel.</p> <p>Note: This halt will be issued if a 2 option is selected for a disk error logging halt to indicate which file was in error.</p>
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Unit code of the affected device.

DD -0 xx	4	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An indexed multi-volume file is being processed and HIKEY is not specified for a load or add operation.</p> <p>Recovery 2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>
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Unit code of the affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD -1 xx 		123	<p>Message Text: "Filename"</p> <p>Reason: Halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> • Halt -P just occurred while processing an input file and option 0 was taken. The system has assumed you are skipping one or more input volumes, but the pack that is mounted is not a subsequent volume as specified on the file pack specification. • The proper pack was not mounted after a retry operation. You selected option 1 for one of the following halts: -2, -3, -4, -5, -E, or -F. <p>Probable user error.</p> <p>Recovery 1: For the first reason listed:</p> <p>Retry after mounting correct pack, or if the next sequential volume is mounted and option 0 was selected by mistake on the -P halt, leave the volume mounted. This option will allow processing to continue.</p> <p>For the second reason listed:</p> <p>Mount correct pack.</p> <p>2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>
DD -2 xx 		123	<p>Reason: A multi-volume file is being reloaded, processing of a volume has been completed, and:</p> <ul style="list-style-type: none"> • The next volume to be processed is not in the same sequence as when the file was originally loaded, or • The existing portion of the file on the next volume to be processed is a permanent file, or • The location of the existing portion of the next volume is different than that specified in the FILE statement. <p>Recovery 1: Retry after mounting the correct pack.</p> <p>2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD -3 xx ↑ Unit code of the affected device.		123	<p>Reason: Processing of a volume of a multi-volume file has been completed and the next volume to be processed is not being referenced in the proper sequence.</p> <p>Probable user error.</p> <p>Recovery 1: Retry after mounting correct pack.</p> <p>2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>
DD -4 xx ↑ Unit code of the affected device.		0123	<p>Message Text: "Filename"</p> <p>Reason: This is a warning that one or more volumes of a multi-volume file are about to be bypassed.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The current volume will be processed. Any bypassed volumes cannot be processed by this job.</p> <p>1: Retry after mounting the correct pack.</p> <p>2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>
DD -5 xx ↑ Unit code of the affected device.		123	<p>Message Text: "Filename"</p> <p>Reason: Processing of a volume of a multi-volume file has been completed. The FILE statement did not specify any TRACKS or RECORDS parameters for the next volume to be processed and the file does not exist on the volume.</p> <p>Probable user error.</p> <p>Recovery 1: Retry after mounting the correct pack.</p> <p>2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p> <p>Note: The OCL must specify the space required unless the file already exists on the pack.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD -6 xx ↑ Unit code of the affected device.	4	<u>0</u> 23	<p>Message Text: "Filename"</p> <p>Reason: Warning. The end of the volume has been reached while loading an indexed multi-volume file. The record containing the HIKEY for this volume was not loaded.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The HIKEY record can be added to the correct volume by using random add. See halts -' and 1F for exposure if you attempt a sequential add at a later time.</p> <p>2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>
DD -7 xx ↑ Unit code of the affected device.		13	<p>Message Text: "Filename"</p> <p>Reason: Message -A has just occurred and option 1 was taken. However, the pack name of the referenced volume does not match any OCL file pack specifications.</p> <p>Probable user error.</p> <p>Recovery 1: Retry. Mount the pack specified by the FILE statement PACK parameter. If the 1 option was selected for the -A message by mistake, the correct option can be selected.</p> <p>3: Immediate cancel.</p>
DD -8 xx ↑ Unit code of the affected device.	2	<u>2</u> 3	<p>Message Text: "Filename"</p> <p>Reason: Add to an existing multi-volume file is specified and:</p> <ul style="list-style-type: none"> ● The referenced file is not a multi-volume file, or ● A consecutive add has been specified for an indexed multi-volume file, or ● Indexed processing is specified for a consecutive multi-volume file. <p>Probable user error.</p> <p>Recovery 2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD -9		03	<p>Message Text: "Filename"</p> <p>Reason: Add to an online multi-volume file has been specified. The last pack cannot be found.</p> <p>Recovery 0: Continue. The first pack specified by the FILE statement PACK parameter that does not contain the file (first new volume) will be opened.</p> <p>3: Immediate cancel.</p>
DD -A xx		13	<p>Message Text: "Filename"</p> <p>Reason: Add to an existing multi-volume file is specified and the file extent on the volume currently mounted is full. If the message recurs after mounting another pack, the file extent on that volume is also full.</p> <p>Recovery 1: Retry. If it is known which volume was being processed when the load or last add was completed, that volume should be mounted. Otherwise, each subsequent volume should be mounted in order as designated by the file PACK specification until the message no longer occurs.</p> <p>3: Immediate cancel.</p>
DD -B xx		013	<p>Message Text: "Filename"</p> <p>Reason: Halt -A has just occurred and the 1 option was selected. However, the file cannot be found on this pack.</p> <p>Recovery 0: Continue. This volume will be opened as an extension to the file if TRACKS or RECORDS were specified in the FILE statement, and space is available.</p> <p>1: Retry after mounting the correct pack.</p> <p>3: Immediate cancel.</p>

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Unit code of the
affected device.

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Unit code of the
affected device.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD -C xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: Multi-volume file error. The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● An online indexed multi-volume file is being processed and the volumes are not in proper sequence; that is, first volume specified is not volume 1. ● The volume being referenced is not a multi-volume file. ● Only one volume is specified on the FILE statement and the volume being referenced is part of a multi-volume file. <p>Probable user error.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD -D xx <div style="margin-left: 20px;">↑ Unit code of the affected device.</div>	4	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: A -B or a -9 halt has just occurred and a 0 option was selected, however, the FILE statement did not specify TRACKS or RECORDS.</p> <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD -E xx ↑ Unit code of the affected device.		123	<p>Message Text: "Filename"</p> <p>Reason: Processing of a volume of a multi-volume file has been completed and the next volume cannot be processed for one of the following reasons:</p> <ol style="list-style-type: none"> 1. If location is specified on the FILE statement, a file already exists at that location. 2. If location was not specified on the FILE statement, the system will begin allocating space, starting at the last track. If files are already there, this halt will occur. 3. There are scratch files on this pack. 4. The wrong pack may be mounted. <p>Probable user error.</p> <p>Recovery 1: Retry. Mount correct pack. If any pack has the same name, the wrong pack may be mounted.</p> <p>2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p> <p>For reasons 1 and 2, specify location on pack known to be free and rerun the job. For reason 3, if the files on this pack are no longer needed, initialize the pack and rerun the job; otherwise, use an empty pack and rerun the job.</p>
DD -F xx ↑ Unit code of the affected device.		123	<p>Message Text: "Filename"</p> <p>Reason: The processing of a volume of a multi-volume input file has been completed and the referenced file cannot be found on the next volume to be processed.</p> <p>Probable user error.</p> <p>Recovery 1: Mount the correct pack and retry.</p> <p>2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD-G xx ↑ Unit code of the affected device.	4	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: A -B or a -9 halt has just occurred and a 0 option was selected. However, the volume cannot be opened for one of the following reasons:</p> <ul style="list-style-type: none"> ● If LOCATION is specified on the FILE statement, a file already exists at that location. ● If LOCATION was not specified on the FILE statement, the system will begin allocating space, starting at the last track. If files are already there, this halt will occur. ● There is a scratch file on the pack. <p>Recovery 0: Continue. The specifications for any subsequent files will be checked for errors, then halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD-H xx ↑ Unit code of the affected device.	2	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: An indexed multi-volume file is being processed and the HIKEY specified in the FILE statement, and the HIKEY specified when the file was built, are not the same.</p> <p>Probable user error.</p> <p>Recovery 2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>
DD-I xx ↑ Unit code of the affected device.	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: Consecutive multi-volume add file is being opened and the volumes are not specified in the proper sequence.</p> <p>Recovery 0: Continue. The specifications for subsequent files will be checked for errors, then message 4J will occur.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD -J xx	2	<u>03</u>	<p>Message Text: "Filename"</p> <p>Reason: The first volume of an offline multi-volume file to be referenced is not volume sequence number one.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. This volume will be processed, bypassing any preceding volumes.</p> <p>3: Immediate cancel.</p>
DD -K xx	2	<u>23</u>	<p>Message Text: "Filename"</p> <p>Reason: The file index on this volume must be sorted before the file can be reopened. The file index is sorted by the end-of-job routines.</p> <p>Recovery 2: Controlled cancel. If an input file is being processed, end of file occurs. If an output file is being processed, end of extent occurs.</p> <p>3: Immediate cancel.</p>

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MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
DD -L xx ↑ Unit code of the affected device.	2	03	<p>Message Text: "Filename"</p> <p>Reason: Output to an existing multi-volume file is specified and, either the referenced file is not a multi-volume file, or the referenced volume is not the first volume of the file.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The specification for any subsequent files will be checked for errors and halt 4J will occur.</p> <p>3: Immediate cancel.</p>
DD -M xx ↑ Unit code of the affected device.		23	<p>Message Text: "Filename"</p> <p>Reason: An indexed multi-volume file is being processed with sequential-input-add data management and the file does not exist on the next volume or the file date does not agree with the previous volume.</p> <p>Recovery 2: Controlled cancel. End of file will occur and any adds performed on previous volumes will be retained.</p> <p>3: Immediate cancel.</p> <p>Note: Indexed sequential-input-add access method cannot be used to create new volumes of an indexed multi-volume file.</p>
DD -P xx ↑ Unit code of the affected device.		0123	<p>Message Text: "Filename"</p> <p>Reason: Processing of a volume of a multi-volume file has been completed and the next sequential volume is not mounted.</p> <p>Recovery 0: Continue if processing of one or more input or update volumes is to be bypassed and a subsequent volume of the file is mounted. Select this option only when you intend to skip a volume. If the next sequential volume is mounted, and option 0 is selected instead of option 1, a -1 halt will occur. A 1 option for the -1 halt will allow processing to continue.</p> <p>1: Retry after mounting the correct pack.</p> <p>2: Controlled cancel. For an input file the file does not require all of the volumes specified in the PACK parameter of the FILE statement. The halt has occurred after the last volume containing data was processed. This option causes end of file on the multi-volume file. For an output file, end of extent occurs.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
RP - 6	4	<u>123</u>	<p>Message Text: KEY TOO LOW FOR VOLUME ON LINE or, KEY TOO HIGH FOR VOLUME ON LINE</p> <p>Reason: Multi-volume file key error. Halt occurred for one of the following reasons.</p> <ol style="list-style-type: none"> 1. Key too low for indexed random offline multi-volume file. 2. Key higher than highest HIKEY specified for indexed random multi-volume file. <p>Probable user error.</p> <p>Recovery 1: Bypass to beginning of RPG II cycle and read again from this file. This option is invalid if the key is too low.</p> <ol style="list-style-type: none"> 2: Controlled cancel. Store tables and execute LR calculations and LR output if available. If an input file is being processed, end of extent occurs. If an output file is being processed, end of volume occurs. 3: Immediate cancel.
RP - '	4	<u>123</u>	<p>Message Text: NO HIKEY FOR ON LINE VOLUME</p> <p>Reason: Attempting sequential add to a multi-volume file but the HIKEY record was missing on the previous volume. The key of the record you are loading is lower than the HIKEY of the previous volume.</p> <p>Probable user error.</p> <p>Recovery 1: Bypass to beginning of RPG II cycle and read again from this file. The record that caused this halt is not loaded.</p> <ol style="list-style-type: none"> 2: Controlled cancel. Execute LR calculations and LR output if available. If an input file is being processed, end of extent occurs. If an output file is being processed, end of volume occurs. 3: Immediate cancel. Use random add to place HIKEY record on preceding volume.
MP '0 EX		3	<p>Reason: An end of extent occurred while the macroprocessor was writing the \$SOURCE file.</p> <p>Recovery 3: Immediate cancel. Allocate more space for the \$SOURCE file and rerun the job.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
MP '0 HW	2	<u>3</u>	<p>Reason: A hardware error has occurred during a read operation by the macroprocessor.</p> <p>Recovery 3: Immediate cancel. The job must be rerun.</p>
MP '0 IO		3	<p>Reason: A disk I/O error has occurred while the macroprocessor was writing the \$SOURCE file.</p> <p><i>Note:</i> If the error persists, run the alternate track assignment program.</p> <p>Recovery 3: Immediate cancel. You must rerun the job.</p>
MP '0 NP		3	<p>Reason: Program module \$MPXP2, \$MPXP3, or \$MPXP4 is missing for system generation or the macroprocessor.</p> <p>Recovery 3: Immediate cancel. If you are performing system generation, you need a new distribution disk cartridge or data module. If you are using the macroprocessor, perform system generation procedures to obtain the missing modules.</p>
MP '0 NS	2	<u>3</u>	<p>Reason: Requested source program was not found on disk specified by the COMPILE statement.</p> <p>Recovery 3: Immediate cancel.</p>
MP '2		03	<p>Reason: At least one error was detected during a macroprocessor run. An error indication, in the form of a comment record has been written to the \$SOURCE file and to the logging device.</p> <p>Recovery 0: Continue the run.</p> <p>3: Immediate cancel.</p>
CI '3 03		3	<p>Reason: A 5445 disk pack that contains an invalid System/3 label is being used, or is being initialized using \$INIT with TYPE-PRIMARY in the UIN statement.</p> <p>Recovery 3: Immediate cancel. The pack must be initialized on a System/3 using TYPE-CLEAR in the UIN statement.</p> <p>Note: Disk packs used on 5445 disk drive must have the System/3 VTOC on track 1 of cylinder 0. The OS/DOS VTOC must be on track 2 of cylinder 0.</p>
SG '4 BI		3	<p>Reason: A permanent disk I/O error has occurred while performing an IOS write to F1.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SG '4 BR		3	<p>Reason: A permanent I/O error has occurred while performing an IOS READ of F1.</p> <p>Recovery 3: Immediate cancel.</p>
SG '4 BT		3	<p>Reason: System generation has encountered programming problems that invalidate the system generation cartridge received from IBM. The type was invalid for configuration processing.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: It is recommended that a main storage dump be taken rather than selecting option 3. Save the dump and contact IBM for programming support.</p>
SG '4 EX		3	<p>Reason: System generation has encountered programming problems that invalidate the system generation cartridge received from IBM. An end of extent was encountered while writing a file.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: It is recommended that a main storage dump be taken rather than selecting option 3. Save the dump and contact IBM for programming support.</p>
SG '4 ID		3	<p>Reason: System generation has encountered programming problems that invalidate the system generation cartridge received from IBM. The displacement was invalid for configuration processing.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: It is recommended that a main storage dump be taken rather than selecting option 3. Save the dump and contact IBM for programming support.</p>
SG '4 IE		3	<p>Reason: System generation has encountered programming problems that invalidate the system generation cartridge received from IBM. There was an invalid entry for configuration processing.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: It is recommended that a main storage dump be taken rather than selecting option 3. Save the dump and contact IBM for programming support.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SG '4 IM		3	<p>Reason: System generation has encountered programming problems that invalidate the system generation cartridge received from IBM. An invalid system generation macro was found.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: It is recommended that a main storage dump be taken rather than selecting option 3. Save the dump and contact IBM for programming support.</p>
SG '4 IN		3	<p>Reason: System generation has encountered programming problems that invalidate the system generation cartridge received from IBM. An invalid number was encountered for configuration processing.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: It is recommended that a main storage dump be taken rather than selecting option 3. Save the dump and contact IBM for programming support.</p>
SG '4 IR		3	<p>Reason: An error occurred while attempting to repeat system generation.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
SG '4 IS		3	<p>Reason: System generation has encountered programming problems that invalidate the system generation cartridge received from IBM. An invalid symbol was encountered for configuration processing.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: It is recommended that a main storage dump be taken rather than selecting option 3. Save the dump and contact IBM for programming support.</p>
SG '4 NF		3	<p>Reason: A source module or macro required by system generation was not found. If the CRT prompt module name was not \$SGEN or the repeat system generation module name was not \$SGSVE, it is a user error.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: If not a user error, it is recommended that a main storage dump be taken rather than selecting option 3. Save the dump and contact IBM for programming support.</p>
SG '4 PT		3	<p>Reason: A permanent disk I/O error has occurred while using data management to do a put to F1.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
SG '4 SF		3	<p>Reason: The generated supervisor was not found during installation verification. Check system generation procedures. If no user error is found, retain system generation listing and contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 AD	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The first three characters of the PTF ID are not the same as the first three characters on the PTF or PTR statement.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
GF '7 B1	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. An invalid unit was specified in the UNIT1 field of the HEADER statement or the unit specified is not online.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 B2	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. An invalid unit was specified in the UNIT2 field of the HEADER statement or the unit specified is not online.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 BC	4	<u>13</u>	<p>Reason: Customer engineering program support program errors. The control statement is invalid for this program.</p> <p>Recovery 1: Correct the statement and retry.</p> <p>3: Immediate cancel.</p>
GF '7 BD	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The displacement for the patch is greater than the total module length.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 BR	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The module being patched contains an unrecognized record in the library.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 BU	4	<u>13</u>	<p>Reason: Customer engineering program support program errors. An invalid UNIT parameter was found on the PTFLIST statement for the \$SGLOG program.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
GF '7 CS	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The temporary fix deck is invalid. The cumulative check sum in the CKSUM field of the control statement does not match the calculated check sum.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 DC	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Invalid patch characters on the DATA statement for the program temporary fix program. Valid characters are 0 through 9 and A through F.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
GF '7 DS	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Format or punctuation error in the DATA statement for the program temporary fix program.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 ED	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The displacement for the ESL type patch is invalid.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 ES	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The last control statement was not an END statement.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 HS	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Format or punctuation error in the HEADER statement for the program temporary fix program.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 HN	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. HEADER statement not first statement of program temporary fix statements.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 ID	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The source referred to by the PTF ID field on the HEADER statement cannot be found on the unit specified by the UNIT2 field.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 IM	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The module is invalid. The object text is out of sequence, or the first ESL field is not the module name.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 LD	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. An invalid RLD byte was found in the module being patched.</p> <p>Recovery 3: Immediate cancel.</p> <p>Note: If the module being patched is an R-module, the RLD is a 3-byte RLD and cannot be patched by \$SGPTR.</p>
GF '7 LK	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The length of the module, specified on the PTR statement, is too small.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
GF '7 LV	4	0 <u>3</u>	Reason: Customer engineering program support program errors. The level of the module to which the program temporary fix is to be applied is not the same level as specified in the level field of the PTF or PTR statement. Recovery 0: Continue. The program temporary fix is applied. 3: Immediate cancel.
GF '7 LV	4	<u>3</u>	
GF '7 ME	4	<u>3</u>	Reason: Customer engineering program support program errors. Insufficient room in the module being patched for the additional RLD's required by the addition of the patch. Recovery 3: Immediate cancel.
GF '7 NA	4	<u>3</u>	Reason: Customer engineering program support program errors. Attempting to patch, or reference, a routine that was not link edited into the object module. This PTF is not applicable to the object module. Recovery 3: Immediate cancel.
GF '7 ND	4	<u>3</u>	Reason: Customer engineering program support program errors. No DATA statements followed the PTF or PTR statements. Recovery 3: Immediate cancel.

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
GF '7 NE	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. No END statement found at end of PTF.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 NL	4	<u>13</u>	<p>Reason: Customer engineering program support program errors. There is no object library on the specified pack.</p> <p>Recovery 1: Retry. The statement should be reentered after it has been corrected and/or verified.</p> <p>3: Immediate cancel.</p>
GF '7 NM	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Module name on PTF or PTR statement was not found.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 NP	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. No PTF or PTR statement was found following the HEADER statement.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 NS	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Insufficient space on the unit specified by the UNIT1 field of the HEADER statement. Six tracks are needed for temporary work space for \$SGPTF.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 OR	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The DATA statement is out of order, or its fix data will overlap part of the fix data on the previous DATA statement.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 PR	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. An attempt is being made to patch a temporary module.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 PS	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Format or punctuation error in the PTF or PTR statement.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
GF '7 TL	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Attempting to patch, or reference, outside the bounds of a routine in a link-edited module.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 TM	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Too many PTF statements after one HEADER statement.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 WK	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The allocated disk space for file \$WORK is too small.</p> <p>Recovery 3: Immediate cancel.</p>
GF '7 WP	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. Pack applying PTF to is not program or system pack.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
GF '7 WS	4	<u>3</u>	<p>Reason: Customer engineering program support program errors. The check byte of the module to which the program temporary fix is to be applied is not the same as the check-byte field of the DATA statement.</p> <p>Recovery 3: Immediate cancel.</p>
RP '8	2	<u>3</u>	<p>Message Text: TERMINAL ERRORS IN AUTO REPORT</p> <p>Reason: Terminal errors have been found in the auto report source program.</p> <p>Recovery 3: Immediate cancel.</p>
AS 'C OB	2	<u>3</u>	<p>Reason: The object file space is too small. Increase the space specification on the \$WORK FILE statement.</p> <p>Recovery 3: Immediate cancel.</p>
AS 'C SC	2	<u>3</u>	<p>Reason: An end of file was encountered on the source file. Check to see that the SWITCH statement was used properly when the macroprocessor step has not preceded the assembly. If the SWITCH statement was used correctly, contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
AS 'C WK	2	<u>3</u>	<p>Reason: Work file space is too small. Increase the space specification on the \$WORK2 file statement.</p> <p>Recovery 3: Immediate cancel.</p>
AS 'E AE	4	<u>02</u>	<p>Reason: DECK and/or OBJ has been specified in the assembler option and there have been one or more assembler syntax errors diagnosed.</p> <p>Recovery 0: Continue processing DECK and/or OBJ function.</p> <p>2: Controlled cancel.</p>
AS 'E SO	2	<u>3</u>	<p>Reason: More than 32,767 statements in the \$SOURCE file.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 01	4	<u>03</u>	<p>Reason: The overlay linkage editor detected an error in the PHASE statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
EO 'P 02	4	<u>03</u>	<p>Reason: The overlay linkage editor detected an error in the OPTIONS statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 03	4	<u>03</u>	<p>Reason: Mutually exclusive attributes are specified in the OPTIONS statement for the overlay linkage editor.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 04	4	<u>03</u>	<p>Reason: The overlay linkage editor detected an error in the INCLUDE statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 05	4	<u>03</u>	<p>Reason: The overlay linkage editor detected an error in the CATEGORY statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 06	4	<u>03</u>	<p>Reason: The overlay linkage editor detected an error in the GROUP statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 07	4	<u>03</u>	<p>Reason: Either an invalid statement identifier has been used for overlay linkage editor program, or columns 1-3 are not // blank.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
EO 'P 08	4	<u>03</u>	<p>Reason: Too many PHASE or OPTIONS statements have been used for the overlay linkage editor program. Only one of each is allowed.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 09	4	<u>03</u>	<p>Reason: The overlay linkage editor has detected an error in the EQUATE statement.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 10	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. The library does not exist on the specified pack.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 11	2	<u>3</u>	<p>Reason: The overlay linkage editor has detected a statement in the object (R) program that is out of sequence.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 12	4	<u>03</u>	<p>Reason: A module specified on the INCLUDE statement was not found for the overlay linkage editor program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The module name is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 13	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. Unit R2 is not supported.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
EO 'P 14	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. Unit F2 is not supported.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 15	2	<u>3</u>	<p>Reason: Error detected by the overlay linkage editor. An object (R) module was not included to be link edited.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 16	4	<u>03</u>	<p>Reason: An entry point name on the OPTIONS statement for the overlay linkage editor was not found.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The standard entry point will be used.</p> <p>3: Immediate cancel.</p>
EO 'P 17	2	<u>3</u>	<p>Reason: The overlay linkage editor has run out of work area in \$WORK.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 18	2	<u>3</u>	<p>Reason: The overlay linkage editor has run out of work area in \$SOURCE.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 19	2	<u>3</u>	<p>Reason: The overlay linkage editor has detected an error in the compiler output in \$WORK.</p> <p>Contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
EO 'P 20	2	<u>3</u>	<p>Reason: Error detected by the overlay linkage editor. The object text is out of sequence. An ORG instruction has caused code to overlay other code.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 21	2	<u>3</u>	<p>Reason: The overlay linkage editor has read an invalid ESL record in the S record.</p> <p>Contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 22	2	<u>3</u>	<p>Reason: The overlay linkage editor has read an invalid RLD.</p> <p>Contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 23	2	<u>3</u>	<p>Reason: The overlay linkage editor has detected an unresolved EXTRN to an entry point.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 24	2	<u>3</u>	<p>Reason: Error detected by the overlay linkage editor. A check sum error has occurred in an object (R) module statement. The error may have occurred because information was punched into a prepunched statement or because the user changed the statement. All statements in the object decks have a self-check number in columns 86 through 88.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 25	2	<u>3</u>	<p>Reason: The overlay linkage editor did not find a module during AUTOLINK.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 26	2	<u>3</u>	<p>Reason: Error detected by the overlay linkage editor. The program will not fit in the maximum storage size.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
EO 'P 27	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. The program will not fit in the specified storage size.</p> <p>Recovery 0: Continue. The program requires the storage size shown in the core usage map.</p> <p>Note: If the storage size was not specified on the OPTIONS statement, the storage size is the partition size.</p> <p>3: Immediate cancel.</p>
EO 'P 28	2	<u>3</u>	<p>Reason: Error detected by the overlay linkage editor. There are more than 400 entry points and module names in the combination of the root and one overlay.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 30	2	<u>3</u>	<p>Reason: Error detected by the overlay linkage editor. There are mutually exclusive attributes on the included object (R) modules.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 31	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. A module was read from the system input device or named in an INCLUDE statement but it was not referenced by an EXTRN statement in the object module.</p> <p>Recovery 0: Continue. The subroutine will be included with the load module.</p> <p>3: Immediate cancel.</p>
EO 'P 32	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. The mainline module is named in a GROUP or CATEGORY statement.</p> <p>Recovery 0: Continue. The subroutine named in the GROUP or CATEGORY statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 33	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. A module in a GROUP statement has a category value from 0 through 7.</p> <p>Recovery 0: Continue. The GROUP statement is ignored.</p> <p>3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
EO 'P 34	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. The module named in the GROUP or CATEGORY statement was not included.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p>
EO 'P 35	2	<u>3</u>	<p>Reason: Error detected by the overlay linkage editor. A module with a category from 1 through 7 has called a module with a different category.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 36	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. Duplicate module names or entry points have been found. If only one of the duplicates is in the core usage map, a duplicate module has been dropped.</p> <p>Probable user error.</p> <p>Recovery 0: Continue.</p> <p>3: Immediate cancel.</p>
EO 'P 37	2	<u>3</u>	<p>Reason: The first ESL record for overlay linkage editor was not the module name.</p> <p>Contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 38	2	<u>3</u>	<p>Reason: The overlay linkage editor has detected an invalid ESL number in the text.</p> <p>Contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 39	2	<u>3</u>	<p>Reason: The overlay linkage editor has detected an unrecognized statement in \$WORK or in the library.</p> <p>Contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 40	2	<u>3</u>	<p>Reason: The overlay linkage editor has detected more than 254 overlays or the program exceeds 64K.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>

MESSAGE	SEVERITY	OPTION/ DEFAULT	TEXT/REASON AND RECOVERY
EO 'P 41	4	<u>03</u>	<p>Reason: Error detected by the overlay linkage editor. Continuation is indicated on the control statement, but continuation is not allowed by this program.</p> <p>Probable user error.</p> <p>Recovery 0: Continue. The statement is ignored.</p> <p>3: Immediate cancel.</p>
EO 'P 42	2	<u>3</u>	<p>Reason: Error detected by the overlay linkage editor. The entry point is not relative zero for a module with COMMON.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 43	2	<u>3</u>	<p>Reason: FILE statements were omitted for the overlay linkage editor and work space was not found on F1 or R1.</p> <p>Probable user error.</p> <p>Recovery 3: Immediate cancel.</p>
EO 'P 44	4	<u>13</u>	<p>Reason: The object module being replaced has the same name as the module running in the other partition.</p> <p>Recovery 1: Wait until the step completes in the other partition, then retry.</p> <p>3: Immediate cancel.</p>
EO 'P 99	2	<u>3</u>	<p>Reason: The overlay linkage editor has detected an incorrect error code.</p> <p>Contact IBM for programming support.</p> <p>Recovery 3: Immediate cancel.</p>
ST '-	4	<u>03</u>	<p>Message Text: NO RECORDS TO SORT</p> <p>Reason: The halt occurred for one of the following reasons:</p> <ul style="list-style-type: none"> ● There are no records in the input file. ● No records have been selected from the input file. <p>Recovery 0: Continue. A null output file will be created.</p> <p>3: Immediate cancel.</p>

Possible left characters of the halt code.

Possible right characters of the halt code.

MATRIX

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	♢	-	'				
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**IBM System/3
Model 15
System Messages**

**GC21-5076-2
File No. S3-20**

Possible left characters of the halt code.

Possible right characters of the halt code.

MATRIX

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	Ⓜ	-				
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Third Edition (June 1975)

This is a major revision of, and obsoletes, GC21-5076-1. This revision incorporates messages for the 3340 and the directly attached 3741 in addition to miscellaneous changes. Changes to the text and illustrations are indicated by a vertical line to the left of the change; changed or added illustrations are denoted by the symbol ● at the left of the caption.

This edition applies to version 03, modification 00, of the System/3 Model 15 System Control Program and Program Products, and to all subsequent versions and modifications until otherwise indicated in new editions or technical newsletters. Changes are continually made to the specifications herein; before using this publication in connection with the operation of IBM systems, consult the latest IBM System/3 Bibliography, GC20-8080, for editions that are applicable and current.

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IBM System/3 Model 15 System Messages

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This technical newsletter, a part of version 04, modification 00 of IBM System/3 Model 15 SCP (Program Number 5704-SC1), provides replacement pages for the subject publication. These replacement pages remain in effect for subsequent versions and modifications unless specifically altered. Pages to be inserted and/or removed are:

Cover, Edition Notice	139, 140
7, 8	187, 188
21, 22	245, 246
29, 30	269, 270
37, 38	273 through 276
45, 46	279, 280
53, 54	295 through 298
57 through 62	325, 326
71, 72	347, 348
75 through 78	357 through 360
135, 136	

Changes to text and illustrations are indicated by a vertical line at the left of the change.

Summary of Amendments:

This technical newsletter includes corrections to the base publication and adds information in regard to new system messages for IBM System/3 Model 15.

Note: Please file this cover letter at the back of the manual to provide a record of changes.

IBM Corporation, Publications, Department 245, Rochester, Minnesota 55901

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IBM System/3
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GC21-5076-2

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Corrections or clarifications needed:

Page *Comment*

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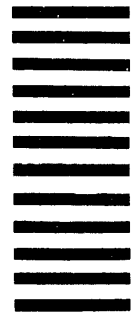
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