



Systems Reference Library

IBM System/360 Basic Operating System Operator Messages

Program Numbers:

Basic Control Program	360B-CL-302
Consecutive Processing Macros	360B-IO-303
Indexed Sequential File Management System (ISFMS) Macros	360B-IO-304
STR Macros	360B-IO-310
BSC Macros	360B-CQ-312
Utilities--Group I	360B-UT-300
Utilities--Group II	360B-UT-301
Sort/Merge	360B-SM-308
Assembler	360B-AS-309
Report Program Generator	360B-RG-307
Autotest	360B-PT-306

This reference publication lists, in numeric and alphabetic order, all messages issued to the operator by the programs of the IBM System/360 Basic Operating System.

For a list of associated publications and their abstracts, see IBM System/360 Bibliography, Form A22-6822.



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Message

0200	21	2L92	27
0701	21	2L93	28
0702A	21	2L94	28
0703A	21	3001 CONTROL CARD nn INVALID	28
0704A	21	3002I NO MESSAGE FIELD DEFINER DETECTED IN OPTION CARD, SYSLOG ASSUMED	28
0900	21	3003 STATEMENT DEFINER INVALID - xxxxxx.	28
1040A	21	3004 NO END CARD FOUND AFTER READING 25 CONTROL CARDS.	28
1050A	21	3005 CONTINUATION CONTROL CARD nn INVALID	28
1200A	21	3006I BLANK CONTROL CARD DETECTED.	28
1210A	22	3007 MANDATORY xxxxxx CARD OMITTED	28
1220A	22	3008 TYPE RUN NOT KNOWN - SORT OR MERGE NOT SPECIFIED	28
1230A	22	3009 NO BLANK AFTER STATEMENT DEFINER - xxxxxxxx	28
130nA	22	3010 FIELD DEFINER INVALID - xxxxxx	29
1407A	22	3010A	29
1610A	22	3011 VALUES INVALID - xxxxxxx	29
1703A	22	3012 INVALID FORMAT CODE GIVEN - xx.	29
1704A	22	3013 SORT AND MERGE CONTROL CARDS SPECIFIED IN SAME RUN	29
2610A	23	3014 NO SEQUENCE VALUE GIVEN FOR CF nn	29
2703A	23	3015 MORE THAN 12 CONTROL FIELDS SPECIFIED	29
2L00A	23	3016 DATA FORMAT NOT SPECIFIED	29
2L01A	23	3017 NO MAJOR CONTROL FIELD WAS GIVEN.	29
2L05A	23	3018 NO L4 VALUE GIVEN	29
2L06A	23	3019 FIXED BLOCKING SPECIFIED FOR VARIABLE LENGTH RECORDS	30
2L07A	23	3020 CONTROL FIELD nn EXTENDS BEYOND END OF RECORD	30
2L10A	23	3020A	30
2L11A	23	3021 TOTAL CONTROL FIELD LENGTHS EXCEED 256.	30
2L12A	23	3022 CONTROL FIELD nn GREATER THAN MAXIMUM ALLOWED	30
2L13A	24	3023 L4 GREATER THAN L1.	30
2L14A	24	3024 L3 GREATER THAN L1.	30
2L15A	24	3025 L1 MORE THAN nnnn BYTES	30
2L16A	24	3026 KEYLEN ENTRY INVALID.	30
2L17A	24	3027 STORAGE SPECIFIED LESS THAN 8192.	30
2L18A	24	3027 STORAGE SPECIFIED MORE THAN 65,536.	31
2L19A	24	3028 RECORD TYPE NOT SPECIFIED	31
2L20A	24	3029 ORDER DEFINER NOT SPECIFIED FOR MERGE RUN	31
2L21A	24	3030 NO SIZE SPECIFIED	31
2L22A	24	3030A	31
2L25A	25	3031 TOTAL ALL CFS + 8 GREATER THAN L1 FOR ADDRROUT RUN	31
2L26A	25	3032 L1 EXCEEDS 80 FOR CARD INPUT.	31
2L30A	25	3033 BLOCKSIZE NOT EQUAL TO L1 FOR CARD INPUT.	31
2L31A	25	3034 E32 NOT SPECIFIED WHEN L3 LESS THAN L1	31
2L32A	25	3034 E43 NOT SPECIFIED WHEN L3 LESS THAN L1	31
2L35A	25		
2L40A	25		
2L41A	25		
2L42A	25		
2L43A	25		
2L44A	26		
2L45A	26		
2L50A	26		
2L51A	26		
2L53A	26		
2L54A	26		
2L60A	26		
2L70A	27		
2L71A	27		
2L72A	27		
2L73A	27		
2L74A	27		
2L75A	27		
2L80A	27		
2L90	27		

3035 EXIT 31 NOT SPECIFIED WHEN USER OR NONSTD LABELS SPECIFIED FOR OUTPUT .	32	3062 END OF ASSIGNMENT PHASE - ERRORS DETECTED, CORRECT AND RERUN	35
3035 EXIT 41 NOT SPECIFIED WHEN USER OR NONSTD LABELS SPECIFIED FOR OUTPUT .	32	3063I CONTROL CARD INFORMATION	36
3036 USER GIVEN FILE SIZE EXCEEDS MAXIMUM	32	3064 DUPLICATE STATEMENT DETECTED, xxxxxxx.	36
3037 INPUT BLOCK SIZE NOT A MULTIPLE OF L1	32	3065I LMAX nnnnnn BMAX nnnnn.	36
3038 OUTPUT BLOCK SIZE NOT A MULTIPLE OF L3	32	3066 L4 GIVEN FOR FIXED LENGTH RECORDS .	36
3039 A CF STARTS PRIOR TO BYTE 5 IN VARIABLE RECORDS.	32	3067 STANDARD LABELS NOT SPECIFIED FOR DISK INPUT.	36
3040 CONTROL FIELDS OVERLAP FOR OTHER THAN CH OR BI FORMAT.	32	3067 STANDARD LABELS NOT SPECIFIED FOR DISK OUTPUT	36
3041 RECORD LENGTH NOT SPECIFIED	32	3068 OUTPUT BLOCKSIZE INVALID FOR VARIABLE RECORDS.	36
3042 BLOCKING GREATER THAN nnnn.	32	3069 MAXIMUM ALLOWABLE BLOCKSIZE LESS THAN MINIMUM OF 300	36
3043I NOTPMK SPECIFIED WITH STANDARD OUTPUT LABELS	32	3069 MAXIMUM ALLOWABLE BLOCKSIZE LESS THAN MINIMUM OF 400	36
3044 PHASE 1 MODIFICATION PROGRAM TOO LARGE	32	3070 ASSUMING INPUT BLOCKSIZE IS nnnnn, OUTPUT BLOCKSIZE MAY NOT EXCEED nnnnn.	36
3044 PHASE 3 MODIFICATION PROGRAM TOO LARGE	33	3071 INPUT OR OUTPUT BLOCKSIZE IS INVALID	37
3044 PHASE 4 MODIFICATION PROGRAM TOO LARGE	33	3072 EXIT 31 SPECIFIED WHEN NO USER OR NONSTD LABELS WERE SPECIFIED.	37
3045 NO MEDIA SPECIFIED FOR INPUT.	33	3072 EXIT 41 SPECIFIED WHEN NO USER OR NONSTD LABELS WERE SPECIFIED.	37
3045 NO MEDIA SPECIFIED FOR OUTPUT	33	3073 L1 INVALID.	37
3046 NO LABEL TYPE SPECIFIED FOR INPUT .	33	3074 INPUT BLOCKSIZE INVALID	37
3046 NO LABEL TYPE SPECIFIED FOR OUTPUT.	33	3075 ONLY n TRACKS SPECIFIED ON LAST SORTW EXTENT.	37
3047 DISK OPTIONS SPECIFIED FOR CARD INPUT	33	3080A	37
3047 DISK OPTIONS SPECIFIED FOR TAPE INPUT	33	3101 PHASE 1 UNREADABLE BLOCKS BYPASSED nnnn	37
3047 DISK OPTIONS SPECIFIED FOR TAPE OUTPUT.	33	3102I RECORDS PROCESSED nnnnnnnnnn . . .	37
3047 TAPE OPTIONS SPECIFIED FOR CARD INPUT	33	3103I MERGE PASSES nnnn.	38
3047 TAPE OPTIONS SPECIFIED FOR DISK INPUT	33	3104 FILE SIZE EXCEEDED.	38
3047 TAPE OPTIONS SPECIFIED FOR DISK OUTPUT.	34	3105A	38
3047 VARIABLE BLOCKING SPECIFIED FOR CARD INPUT.	34	3106 WLR	38
3048 VARIABLE BLOCKING SPECIFIED FOR CARD INPUT.	34	3107I END PHASE 1.	38
3049 NO BLOCKSIZE GIVEN FOR INPUT.	34	3120A	38
3049 NO BLOCKSIZE GIVEN FOR OUTPUT	34	3200	38
3050 INSUFFICIENT MERGEW TRACKS GIVEN FOR MERGE	34	3201I PHASE 2, PASS nn	38
3051 ADDR0UT SPECIFIED FOR MERGE	34	3210A	38
3052 CARD INPUT INVALID FOR MERGE.	34	3220A	39
3053A	34	3230A	39
3054A	34	3240	39
3055 INVALID RESTART CHECK DISK PACK PLACEMENT	35	3240A	39
3056 LABELED INPUT FILE SPECIFIED FOR CARD INPUT.	35	3250A	40
3057I MFS nnnnnnn MAX. FILE SIZE	35	3300A	40
3058I TRACKS nnnnn NUMBER OF SORTW TRACKS - SPECIFIED.	35	33nn	40
3058I TRACKS nnnnn NUMBER OF MERGEW TRACKS - SPECIFIED.	35	33nnA	40
3059I VARIABLE BLOCKING SPECIFIED.	35	3301A	41
3060A	35	3301I PHASE 3, PASS nn	41
3060I END OF ASSIGNMENT PHASE - NO ERRORS.	35	3302	41
3061I END OF ASSIGNMENT PHASE NO ERRORS - RESTART VALID.	35	3302A	41
		3303A	42
		3304I RECORDS PROCESSED nnnnnnn.	42
		3305I END OF SORT.	42
		3400A	42
		3401A	42
		3402A	43
		3402A SEQx	43
		3403A	43
		3404A	43
		3405	44
		3405A	44
		3405 WRL FILE A.	44
		3405 WRL FILE B.	44

3405 WRL FILE C.	44	3AUTA SYSRDR NON RDR	54
3405 WRL FILE D.	44	3C33A	54
3406	44	3C51	54
3406A	45	3C52	54
3407A	45	3C53	54
3407A EOvx	45	3C54	54
3408A	45	3C5AA	54
3409A	45	3C5BA	55
340AA	46	3C5CA	55
3410A	46	3C5DA	55
3411I PHASE 4 UNREADABLE BLOCKS		3C5EA	55
BYPASSED nnnn	46	3C5FA	55
3412I RECORDS PROCESSED nnnnnnn.	46	3C5GA	55
3413I END OF MERGE	46	3C5HA	55
3416A	46	3C5JA	55
3419A	46	3C5KA	55
3500	46	3C5LA	56
3500A	46	3C5MA	56
35nn	47	3C5NA	56
3501	47	3C5PA	56
3540A	47	3C5QA	56
3610A	48	3C5RA	56
3611A	48	3C5SA	56
3620A	48	3C5WA	56
3625A	48	3C5ZA	56
3710A	48	3C60	56
3720A	48	3C70A	57
3721A	48	3C80	57
3722	49	3C90A	57
3723A	49	3ME1	57
3724	49	3ME2	57
374nA.	49	3ME3	57
3743A.	49	3ME3	57
3744A	49	3ME5	57
375nA	49	3V01I NO FORMAT 4 LABEL FOUND - JOB	
3753A	49	CANCELED.	57
3754A	50	3V02I NO VOLUMN 1 LABEL FOUND - JOB	
3760	50	CANCELED.	57
3760A	50	3V03I INVALID VTOC ADDRESS FOUND - JOB	
3761	50	CANCELED.	58
3762A	50	3V04I NO DISK RECORD FOUND - JOB	
3764A	50	CANCELED.	58
3770A	50	3V05I NOT A VALID LABEL FORMAT AT THIS	
3771A	50	TIME.	58
3772A	51	4nnn	58
3773A	51	4000A	58
378nA	51	4001A	58
3783A	51	4002A	58
3784A	51	4003A	58
3785A	51	4010A	59
3794A	51	4011A	59
3795A	51	4110A	59
379AA	51	4111A	59
3A00A	52	4112A	59
3A01A	52	4113A	59
3A02A	52	4114A	59
3A03A EOR CTVAR ccuu	52	4115A	60
3A04A	52	4116A	60
3A05	52	4117A	60
3AUTA CORE SIZE PC	52	4118A	60
3AUTA DISK WRK AREA INVALID.	53	4119A	60
3AUTA FLT POINT PC	53	4120A	60
3AUTA IF DISASTER CONTINUE - REPLY Y	53	4130A	60
3AUTA MISSING CTL CARD	53	4131A	60
3AUTA RELOCATABLE LIB. INVALID	53	4132A	61
3AUTA SYSOPT NON DISK.	53	4133A	61
3AUTA SYSLST NON PRT	54	4140A	61
3AUTA SYSRDR ASSIGNMENT INVALID.	54	4200A	61

4201A	. . . . .	61	4455A	. . . . .	68
4202A	. . . . .	61	4466A	. . . . .	68
4203A	. . . . .	61	4475A	. . . . .	68
4204A	. . . . .	61	4477A	. . . . .	68
4205A	. . . . .	61	4499A	. . . . .	68
4207A	. . . . .	62	4501A	. . . . .	68
4208A	. . . . .	62	4505A	. . . . .	68
4210A	. . . . .	62	4506A	. . . . .	68
4211A	. . . . .	62	4510A	. . . . .	69
4214A	. . . . .	62	4511A	. . . . .	69
4215A	. . . . .	62	4515A	. . . . .	69
4230A	. . . . .	62	4601A	. . . . .	69
4240A	. . . . .	62	4603A	. . . . .	69
4241A	. . . . .	62	4604A	. . . . .	69
4244A	. . . . .	62	4605A	. . . . .	69
4245A	. . . . .	62	4607A	. . . . .	69
4246A	. . . . .	63	4608A	. . . . .	69
4247A	. . . . .	63	4610A	. . . . .	69
4252A	. . . . .	63	4611A	. . . . .	69
4253A	. . . . .	63	4613A	. . . . .	70
4254A	. . . . .	63	4615A	. . . . .	70
4255A	. . . . .	63	4616A	. . . . .	70
4275A	. . . . .	63	4617A	. . . . .	70
4299A	. . . . .	63	4618A	. . . . .	70
4301A	. . . . .	63	4630A	. . . . .	70
4304A	. . . . .	63	4648A	. . . . .	70
4305A	. . . . .	64	4649A	. . . . .	70
4307A	. . . . .	64	4651A	. . . . .	70
4308A	. . . . .	64	4655A	. . . . .	70
4310A	. . . . .	64	4699A	. . . . .	71
4311A	. . . . .	64	4700A	. . . . .	71
4313A	. . . . .	64	4701A	. . . . .	71
4314A	. . . . .	64	4703A	. . . . .	71
4315A	. . . . .	64	4704A	. . . . .	71
4316A	. . . . .	64	4705A	. . . . .	71
4317A	. . . . .	64	4707A	. . . . .	71
4318A	. . . . .	65	4708A	. . . . .	71
4330A	. . . . .	65	4709A	. . . . .	71
4342A	. . . . .	65	4710A	. . . . .	71
4343A	. . . . .	65	4711A	. . . . .	71
4348A	. . . . .	65	4713A	. . . . .	72
4355A	. . . . .	65	4714A	. . . . .	72
4366A	. . . . .	65	4715A	. . . . .	72
4375A	. . . . .	65	4717A	. . . . .	72
4399A	. . . . .	65	4718A	. . . . .	72
4400A	. . . . .	65	4719A	. . . . .	72
4401A	. . . . .	65	4740A	. . . . .	72
4403A	. . . . .	66	4741A	. . . . .	72
4404A	. . . . .	66	4744A	. . . . .	72
4405A	. . . . .	66	4745A	. . . . .	72
4406A	. . . . .	66	4746A	. . . . .	73
4407A	. . . . .	66	4748A	. . . . .	73
4408A	. . . . .	66	4749A	. . . . .	73
4409A	. . . . .	66	4751A	. . . . .	73
4410A	. . . . .	66	4755A	. . . . .	73
4411A	. . . . .	66	4766A	. . . . .	73
4413A	. . . . .	66	4799A	. . . . .	73
4414A	. . . . .	67	4818A	. . . . .	73
4415A	. . . . .	67	4856A	. . . . .	73
4417A	. . . . .	67	4884A	. . . . .	73
4418A	. . . . .	67	4900	. . . . .	74
4419A	. . . . .	67	4901	. . . . .	74
4441A	. . . . .	67	4092	. . . . .	74
4444A	. . . . .	67	4903	. . . . .	74
4445A	. . . . .	67	4094	. . . . .	74
4446A	. . . . .	67	4905	. . . . .	74
4448A	. . . . .	67	4906	. . . . .	74
4450A	. . . . .	68	4907	. . . . .	74

4908	. . . . .	74	INCORRECT INPUT DEVICE	79
4909	. . . . .	74	INCORRECT OUTPUT DEVICE.	79
4920	. . . . .	74	INCORRECT PROGRAM.	80
4921	. . . . .	75	INVALID CARD	80
4922	. . . . .	75	INVALID CARD SEQUENCE.	80
4923	. . . . .	75	INVALID CONTROL CARD	80
4924	. . . . .	75	INVALID FILE NAME.	80
4925	. . . . .	75	INVALID FORMAT	80
4926	. . . . .	75	nnn INVALID FORMAT. FIELD SELECT CARD.	80
4927	. . . . .	75	x INVALID FORMAT. UTILITY MODIFIER	
4931	. . . . .	75	CARD.	80
4932	. . . . .	75	x INVALID FORMAT UTIL MOD CARD	81
4933	. . . . .	75	INVALID INPUT BLOCK LENGTH	81
4934	. . . . .	76	INVALID INPUT DATA LENGTH.	81
4CCB	. . . . .	76	INVALID INPUT KEY LENGTH	81
4EPT	. . . . .	76	INVALID INPUT OPTION	81
4ERP	. . . . .	76	INVALID INPUT RECORD LENGTH.	81
4SNO	. . . . .	76	INVALID JOB FOR THIS PROGRAM	81
5111A	. . . . .	76	INVALID LABEL.	82
512nA (n = 1, 2, ... 9).	. . . . .	76	INVALID OUTPUT BLOCK LENGTH.	82
5200A	. . . . .	76	INVALID OUTPUT DATA LENGTH	82
5880A	. . . . .	76	INVALID OUTPUT KEY LENGTH.	82
5881A	. . . . .	77	INVALID OUTPUT OPTION.	82
5885A	. . . . .	77	INVALID OUTPUT PARAMETER	82
5998A	. . . . .	77	INVALID OUTPUT RECORD LENGTH	82
ANSRA	. . . . .	77	nnn INVALID PACK OUTPUT LENGTH	82
ADDITIONAL INPUT DEVICE NOT DISK,			INVALID PARAMETER.	83
POSSIBLE ERROR. . . . .	. . . . .	77	INVALID SYM. UNIT OF XTENT CARD.	83
ADDITIONAL OUTPUT DEVICE NOT DISK,			nnn INVALID UNPACK OUTPUT LENGTH	83
POSSIBLE ERROR. . . . .	. . . . .	77	I/O AREA CANNOT BE ASSIGNED.	83
BLOCK LENGTH INVALID . . . . .	. . . . .	77	I/O AREA NOT ENOUGH FOR SPECIFIED	
CARD SEQUENCE ERROR CURRENT			RECORD SIZE	83
SEQnnnnnnnnnn LAST SEQnnnnnnnnnn. . . . .	. . . . .	77	I/O DEVICE AT SYS00 (2, 3, 4, OR 5)	
xxx CANNOT PROCESS HEX PARAMETER . . . . .	. . . . .	78	NOT DISK, POSSIBLE ERROR.	83
nnn CANNOT PROCESS PACK PARAMETER. . . . .	. . . . .	78	MORE THAN 5 XTENT.	83
END CARD MISSING . . . . .	. . . . .	78	NO END CARD.	83
END OF DATA. . . . .	. . . . .	78	NON-STANDARD LABEL INVALID INPUT	83
END OF JOB . . . . .	. . . . .	78	NON-STANDARD LABEL INVALID OUTPUT.	83
END OF TAPE REEL nnnn. . . . .	. . . . .	78	NO VOL, DLAB, XTENT.	84
END OF VOLUME ccc t. . . . .	. . . . .	78	nnn PACK INPUT LENGTH EQUALS ZERO.	84
EOJ. . . . .	. . . . .	78	nnn RECORD CAPACITY EXCEEDED BY FS	84
EOJ A/J TEST SET . . . . .	. . . . .	78	nnn RECORD CAPACITY EXCEEDED BY HEX.	84
FIELD SELECT CARD MISSING. . . . .	. . . . .	78	nnn RECORD CAPACITY EXCEEDED BY PACK	84
FIELD SELECT CARD NOT EXPECTED . . . . .	. . . . .	78	nnn RECORD CAPACITY EXCEEDED BY UNPK	84
FIELD SELECT MUST BE SPECIFIED . . . . .	. . . . .	79	SYSOPT (002, 003, etc) NOT A 2311 DISK	
nnn FIELD SELECT PARAMETER FOR			DRIVE	84
NONEXISTENT KEY . . . . .	. . . . .	79	SYSOPT (002, 003, 004, or 005) NOT	
FIXED LENGTH RECORD FORMAT REQUIRED. . . . .	. . . . .	79	DEFINED	84
nnn FS INPUT LENGTH EQUALS ZERO. . . . .	. . . . .	79	SYS00 (0 or 1) NOT TAPE, POSSIBLE	
nnn HEX INPUT LENGTH EQUALS ZERO . . . . .	. . . . .	79	ERROR	84
//IDC xxx. . . . .	. . . . .	79	nnn UNPK INPUT LENGTH EQUALS ZERO.	84
INCORRECT BLOCK LFNGTH AT BLK			USER ROUTINE NOT PRESENT	85
NO: nnnnnn . . . . .	. . . . .	79	UTILITY MODIFIER CARD.	85



FORMAT

This publication lists messages, their explanations, and the corresponding operator instructions. For each message (message code or message text or both) the following are given:

Program	The name of the program that issued the message.
Meaning	Explanation of message code, or clarification of message text.
Action	Action or decision required of the operator.
Reply	The code(s) used to indicate the operator's action or decision to the program.

Message

The three types of messages included are those containing:

1. A five-character code.
2. A five-character code and a message text.
3. A message text only.

The first four characters of the five-character code are usually numeric. The fifth character is A, I, or blank. An A indicates that a reply is required of the operator. I and blank indicate that no reply is to be made; the message is only for the operator's information. Code-only messages are printed on SYSLOG if it is used. If not, they will be present in bytes 0-4 of main storage.

Messages containing both code and text are printed on SYSLOG when it is used. The code is printed first. When SYSLOG is not required and not used, the text is printed on SYSLST. The code may also be printed on SYSLST. If not, it is present in bytes 0-4 of main storage; the text is not available to the operator.

Text-only messages are printed on SYSLOG. (The programs that issue text-only messages always require the use of SYSLOG.)

Some messages contain characters or groups of characters that vary in value. Numbers are used to indicate quantities. Letters and numbers are used to indicate error types. This publication refers to these characters as variable characters. They are represented by n's when numeric, and x's when alphameric.

Program

The names of all programs that can issue a given message are listed with that message. Many of the program names require abbreviation. The following lists the abbreviations that appear in this publication, and their corresponding program names.

<u>Abbreviation</u>	<u>Program Name</u>
AORGZ	Reallocate Library Limits
ASSEMB	Assembler
AUTOTEST	Autotest
CORGZ	Copy System
CSERV	Core Image Library Service
DSERV	Directory Service
IPL	Initial Program Loading
JB CNTRL	Job Control
LDSYS	Load System
L IOCS	Logical IOCS
LNK EDTR	Linkage Editor
LORGZ	Condense Library
MMAINT	Macro Library Maintenance
MSERV	Macro Library Service
P IOCS	Physical IOCS
PSERV	PUB Table Service
RMAINT	Relocatable Library Maintenance
RPG	Report Program Generator Object Program

RSERV	Relocatable Library Service	Reply:		
			via	via
S/M	Sort/Merge		<u>1052</u>	<u>Console</u>
				<u>Meaning of Reply</u>
SYSCMA	Core IMAGE Library Maintenance	0	00 or F0	Terminates the job. (Job control searches for the next job-control card, and processing continues with the next job.)
SYSSUP	Supervisor			
UTIL	Utilities	1	01 or F1	Terminates the job, and prints out main storage. (Job control searches for the next job-control card, and processing continues with the next job.)

Meaning

The meaning is an explanation of code-only messages, or a clarification of messages containing text. Where appropriate, the action taken by the program is also listed.

Most messages issued by more than one program have only one meaning. Some, however, have a different meaning for each program. When messages have multiple meanings, each meaning is listed with the program(s) to which it applies.

Action

Every coded message whose fifth character is A requires the operator to perform an operation, or make a decision, or both. The operation and decision options for each message are given. The option to terminate the job (response of 0 or 1) is provided for all messages, but is listed only where the operator has no other choice.

When the operator is required to perform an operation (for example, change a tape reel), the operation is to be performed before the reply is made, except when otherwise instructed.

Reply

The reply codes to inform the system of an operation or decision are listed. Two replies are listed for each action instruction. The first is used to reply through a printer-keyboard. The second is used to reply through the console.

The characters 0, 1, 2, 3, 4, 5, 6, and 8 have specific meanings when replying to programs using an IBM-supplied supervisor:

2	02 or F2	Turns on bit 7 of the UPSI byte.
3	03 or F3	Turns off bit 7 of the UPSI byte.
4	F4	Ignore the indicated I/O error and continue processing if physical IOCS initiated the message (see PIOCS). If not physical IOCS-initiated, reply and control are returned to the program that initiated the message.
5	F5	Retries the indicated I/O operation if physical IOCS initiated the message (see PIOCS). If not physical IOCS-initiated, reply and control are returned to the program that initiated the message.
6	06 or F6	Terminates the job, and prints out main storage. STR lines are disabled. (Job control searches for the next job-control card, and processing continues with the next job.)
8	08 or F8	Disables the BSC lines, displays the error statistics, terminates the job and prints out main storage. (Job control searches for the next job control card, and processing continues with the next job.)

If STR routines are included in the assembled supervisor, a reply of 4 will set on the lost data and end-of-file bits in the expanded STR CCB.

If BSC support routines are included in the assembled supervisor, a reply of 4 sets on the reply 4 bit in the expanded BSC CCB.

A reply of 6 is a valid operator reply only when the assembled supervisor contains the STR routines. If STR routines are not included in the assembled supervisor, a reply of 6 is invalid. When an invalid reply is given, it is ignored and the error message is repeated. If STR devices are used in the problem program, a reply of 6 must be used to terminate a job to ensure that STR lines are properly disabled.

A reply of 8 is a valid operator reply only when the assembled supervisor contains the BSC support routines. If BSC support is used in the problem program, a reply of 8 must be used to terminate a job in order to ensure that BSC lines are properly disabled. If BSC routines are not included in the assembled supervisor, a reply of 8 is invalid. When an invalid reply is given, it is ignored and the error message is repeated.

Each reply (except 0, 1, 6, or 8) is returned to the program that initiated the message. The program then analyzes the reply, and performs the appropriate function.

The procedure for replying to an error message when an IBM 1052 Printer-Keyboard is available is:

1. Observe the 1052 PROCEED light. It is on when a message reply is required. (Processing is suspended until the reply is given.)
2. Type the appropriate reply.
3. Type an end-of-block character.
4. Press INTERRUPT.

If an incorrect reply is typed in step 2, the operator must enter the correct reply through the console by:

- Pressing STOP.
- Storing the correct reply in byte 5 of main storage.
- Pressing START.
- Then performing steps 3 and 4.

Note: If an I/O error occurs while the operator is replying, the system enters the wait state (WAIT lights up on the console), and the operator must reply through the console.

The procedure for replying to an error message when an IBM 1052 Printer-Keyboard is not available is:

1. Observe the WAIT light on the console. It is on when the system is in the wait state.
2. Press STOP.
3. Display bytes 0-4 of main storage. Byte 4 contains an A (1100 0001) when a reply is required.
4. Store the appropriate reply in byte 5 of main storage. Note: A reply of blank is assumed when no reply is stored in byte 5.
5. Press START and INTERRUPT.

SEQUENCE

The messages containing a code (either alone or with text) are listed by the code in alphameric order. The sequence is from 0 through 9, then from A through Z. Thus, 3795A is listed before 379AA, 379AA is listed before 3A00A, and 3AUTA is listed before 3ME1.

The messages containing only text are listed in alphabetic order, and follow the messages containing codes. When variable characters appear at the beginning of a text-only message, the message is listed in order by the words following the variable characters. Thus, INVALID OUTPUT RECORD LENGTH is listed before nnn INVALID PACK OUTPUT LENGTH, and nnn INVALID PACK OUTPUT LENGTH is listed before INVALID PARAMETER.

CODE-GROUP SIGNIFICANCE

The first character of the message code identifies the issuing program:

<u>Message Code</u>	<u>Issuing Program(s)</u>
0nnn	IPL Supervisor Physical IOCS
1nnn	Job Control
2nnn	Linkage Editor
3nnn	Linkage Editor Service Programs Assembler Autotest Sort/Merge Utilities

4nnn Logical IOCS
 5nnn RPG

The second character of the Logical IOCS message code identifies the type of operation during which the error occurred:

<u>Message Code</u>	<u>Operation</u>
40nnA	Read/Write
41nnA	Tape Files
42nnA	Indexed Sequential Files
43nnA	Consecutive Input Files
44nnA	Consecutive Output Files
45nnA	Consecutive CLOSE Routines
46nnA	Direct Access Input Files
47nnA	Direct Access Output Files
48nnA	Other Routines
49nn	STR Routines or BSC Routines

Two-Part LIOCS Messages

A message code whose first character is 4, and whose fifth character is blank, is the first part of a two-part message. (The exceptions to this are message 4477, which is a one-part message whose fifth character is blank, BSC LIOCS and operator awareness messages, and STR LIOCS messages.)

When a two-part message is issued, the two-parts are printed on SYSLOG if it is used. The first part has the form 4nnn, in which nnn is the channel and unit address of the I/O device where the error occurred. The second part of the message has the form 4nnnA, and indicates the type of error.

When SYSLOG is not used, the operator displays main storage bytes 0-4 to obtain the first part of the message. Because byte 4 is blank, he then presses START and INTERRUPT, and again displays bytes 0-4 to obtain the second part of the message.

Three-Part PIOCS Messages

A message code whose first character is 0 and whose fifth character is blank is the first part of a three-part message issued by PIOCS.

The first part has the form 0cuu, where cuu is the channel and unit address of the I/O device involved in the error. The second part of the message has the form nnnn. The first two digits are generated from the status byte of the I/O device (or control unit) which resulted in an error. The last two digits contain the operation code of the CCW except at a DVC END error, when the last two digits are zeros. For BSC three-part messages, the operation code presented may not reflect the command in error due to CCW sequences necessary for a possible retry. The third part of the message has the form nnnnA and provides the sense byte(s) of the I/O device.

The third part indicates the type of error that physical IOCS has detected. The message is in the standard message macro format (nnnnA). In this case, the first two digits of the message are the sense byte of any I/O device in the system. The third and fourth characters are composed from the second sense byte. This second byte reflects additional information for tape and disk only.

Each character in a physical IOCS message must be considered and analyzed individually to determine the cause of the error. The meaning of each possible character in each position of the message is shown in the following lists. To analyze the message, refer to the list for each digit. For example, in the message 8002A, concerning a tape unit, refer to the first list of the third message and see that 8 means command reject. Then refer to the fourth list of the third message, and see that 2 means tape is in file protect status.

The message may also consist of a combination of error conditions represented by one position of the message. For example: 5000A indicates that two errors have been detected by the system: equipment check (1), and Device not ready (4). Thus any valid hexadecimal character (0-F) may be found in the third message.

The procedure to follow for any error condition is shown in the lists for the first two characters. The last two characters merely provide additional information. In the message 8002A, the action and reply for 8 apply.

The sense and status bytes are the information link between the device control unit and the program. The general meanings of the bits are standardized for all System/360 devices. These standard meanings are described in IBM System/360 Principles of Operation, Form A22-6821. The exact meaning and operator attention indicated by each sense and status bit is

described in the component description manual for the device or control unit.

A three-part message is issued on SYSLOG if it is used. When SYSLOG is not used, the operator displays main storage bytes 0-4 to obtain the first part of the message. If byte 4 is blank, he then presses START and INTERRUPT, and displays bytes 0-4 again, to obtain the second part

of the message. The third part of the message is obtained by repeating these steps.

For more specific information on STR processing errors, see Appendix A.

For more specific information on BSC processing errors, see Appendix B.

MESSAGES

No message is given, machine is in wait loop; registers A and B contain FFFF. (Note: All storage locations given are in hexadecimal.)

Program: Any

Meaning: Byte 32 contains one of four error codes. These codes are shown with their respective operator actions in the following text. There is no restart option provided for these codes. IPL must be used.

00 - Machine check. Diagnostic information is in the diagnostic scan-out area, starting in byte 80. Use the storage print utility program to obtain a storage printout for the programmer.

0F - Channel error. Record the contents of the CSW, bytes 40-47; and the I/O Old PSW, bytes 38-3F.

1F - Unit check. The CSW has the original information. Sense information is in bytes 18-1D. Use the storage print utility program to obtain a storage printout, for the programmer.

3F - Device not operational. Program is addressing a non-existent device. This device is identified in bytes 38-3F. If the device does exist, use the storage print utility program to obtain a storage printout for the programmer.

Message	Meaning	Action
0cuu	Part 1 of 3 parts. This part tells the channel and unit address of a unit on which an I/O error has occurred. The second digit (c) of this part of the message identifies the channel, and the last two digits (uu) identify the unit.	If a printer-keyboard <u>is</u> available, the second part of the message is printed following the first part. If a printer-keyboard <u>is not</u> available, the operator must internally interrupt, and then display bytes 0-4 to obtain the second part of the message.

Figure 1. First Part of Three-Part PIOCS Message (Channel and Unit Address)

Message	Meaning	Action	Reply
mnnn	<p>Part 2 of 3 parts. This part tells the status and operation code information. The meanings of the first digit are:</p> <p>0nnn - None (examine the remaining characters).</p> <p>1nnn - Device or control unit busy.</p> <p>2nnn - Control unit end.</p> <p>4nnn - Status modifier.</p> <p>8nnn - Attention.</p> <p>The meanings of the second digit are:</p> <p>n0nn - None (examine the remaining characters).</p> <p>n1nn - Unit exception.</p> <p>n2nn - Unit check.</p> <p>n4nn - Device end.</p> <p>n8nn - Channel end.</p> <p>The meaning of the last two digits is the operation code of the last CCW executed. An exception to this is that on a DVC END error, the operation code digits are set to zero.</p> <p><u>Note:</u> If the second digit (status) of the second part contains unit check and device end, there is a non-recoverable error present, regardless of the information in the third part (sense) of the message.</p> <p>n6nn - Unit check at device end, last item of output may be in error.</p>	<p>The first 2 digits of the status are supplied by either the device or the device control unit.</p> <p>Ignore the error and continue processing.</p>	<p>4 or 5 blank</p>

Figure 2. Second Part of Three-Part PIOCS Message (Status and Operation Code)

Message	Meaning	Action	Reply
n _{nnn} A	Part 3 of 3 parts. This part tells the sense bit information. The characters in this part of the message indicate sense bits set by the device control unit. The meanings of these sense bits are found in the SRL publication for the particular device.	If a printer-keyboard <u>is</u> available, the third part of the message will be printed following the second part. If a printer-keyboard <u>is not</u> available, the operator must internally interrupt and then display bytes 0-4 to obtain the third part.	
	The meanings of the first digit are:		
	0 _{nnn} A - None (examine the remaining characters).		
	1 _{nnn} A - Equipment check.	Ignore the error, and continue processing.	4 F4
		Examine the device for trouble, then retry.	5 F5
	When processing with STR devices:	Discontinue transmission and continue processing.	4 F4
		Retry.	5 F5
		Terminate the job.	6 F6
	When processing with BSC Support:	Check the dialing equipment at both CPU locations. Then retry.	5 F5
		Terminate the job.	8 F8
	2 _{nnn} A - Parity error on channel.	Ignore the error and continue processing.	4 F4
		Reply to retry the operation.	5 F5
	Bus Out Check (STR Processing)	Discontinue transmission and continue processing.	4 F4
		Contact remote terminal. Have operator there check device for trouble. Reply to retry.	5 F5
		Terminate the job.	6 F6
	4 _{nnn} A - Intervention required.	Ignore the error, and continue processing.	4 F4
		Ready the device, then reply to retry.	5 F5

Figure 3. Third Part of Three-Part PIOCS Message (Sense Information) (1 of 5)

Message	Meaning	Action	Reply
	Intervention required- (STR Processing)	Discontinue transmission and continue processing.	4 F4
		Examine the I/O device for trouble, then retry.	5 F5
		Terminate the job.	6 F6
	8nnnA - Command reject (invalid, missing, or incorrect command).	Ignore the error, and continue processing. (If the device was a printer, and a print or sync check occurred after channel end, a retry of the same line is not permitted.	4 F4
		Reply to retry the operation.	5 F5
	When processing with STR devices:	Retry.	5 F5
		Terminate the job.	6 F6
	When processing with BSC Support:	Terminate the job.	8 F8
	The meanings of the second digit of the third part are:		
	n0nnA - None (examine the remaining characters).		
	n1nnA - Unit exception.	Ignore the error, and continue processing.	4 F4
	Time out (STR Processing)	Discontinue transmission and continue processing	4 F4
		Contact the remote terminal. Have operator there check device for trouble. Reply to retry.	6 F6
		Terminate the job.	6 F6

Figure 3. Third Part of Three-Part PIOCS Message (Sense Information) (2 of 5)

Message	Meaning	Action	Reply
	n2nnA - Nonrecovery.	Reply to retry the operation.	5 F5
	Receiving (STR Processing).	Discontinue transmission and continue processing.	4 F4
		Contact remote terminal. Have operator there check device for trouble. Reply to retry.	5 F5
		Terminate the job.	6 F6
	n4nnA - Overrun.	Ignore the error and continue processing.	4 F4
	Overrun (STR Processing).	Discontinue transmission and continue processing.	4 F4
		Contact remote terminal. Have the operator there check the device for trouble. Reply to retry.	5 F5
		Terminate the job.	6 F6
	Overrun (BSC Support).	Discontinue transmission but continue processing in the problem program.	4 F4
		Retry.	5 F5
		Terminate the job.	8 F8
	n8nnA - Data Check. If the device is a tape drive, the check is due to a read error.	Ignore the error, and continue processing.	4 F4
		Reply to retry the operation.	5 F5
	Data Check (STR Processing).	Discontinue transmission and continue processing.	4 F4
		Contact remote terminal. Have operator there check device for trouble. Reply to retry.	5 F5
		Terminate the job.	6 F6

Figure 3. Third Part of Three-Part PIOCS Message (Sense Information) (3 of 5)

Message	Meaning	Action	Reply
	Data Check (BSC Support).	Discontinue transmission but continue processing in the problem program.	4 F4
		Retry.	5 F5
		Terminate the job.	8 F8
	The meanings of the third digit are:	Follow the action instructions specified by the first two digits.	
	nn0na - None (examine the remaining Characters).		
	nn1nA - If disk, invalid sequence of commands. If tape, tape unit has the 7-track feature installed. If STR processing, EOT (End of Transmission).	Discontinue transmission and continue processing.	4 F4
		Terminate the job.	6 F6
	nn2nA - If disk, end of the cylinder. If tape, tape drive not ready. If STR processing, Record Count check.	Discontinue transmission and continue processing.	4 F4
		Contact remote terminal. Have operator there check device for trouble. Reply to retry.	5 F5
		Terminate the job.	6 F6
	nn4nA - If disk, track overrun. If tape, tape drive ready, but not rewinding. If STR processing, Error Reply.	Discontinue transmission and continue processing.	4 F4
		Contact remote terminal. Have operator there check device for trouble. Reply to retry.	5 F5
		Terminate the job.	6 F6
	nn6nA - If disk, end of cylinder and track overrun have occurred simultaneously. If tape, tape drive ready and rewinding.		
	nn8nA - Data check in count field. (This message for disk only.) If STR processing, Write Data Check.	Discontinue transmission and continue processing.	4 F4

Figure 3. Third Part of Three-Part PIOC Message (Sense Information) (4 of 5)

Message	Meaning	Action	Reply
		Contact remote terminal. Have operator there check device for trouble. Reply to retry.	5 F5
		Terminate the job.	6 F6
	The meanings of the fourth digit are:	Follow the action instructions specified by the first two digits.	
	nnn0A - None (if the channel and unit address identified by the first part of the message is that of a tape or disk drive, and the third digit is also 0, a non-existent tape or disk unit has been addressed.)		
	nnn1A - If disk, overflow incomplete. If tape, tape indicator is ON. For STR processing, specifies: Interface B.	<u>Note:</u> Either nnn1 or nnn2 should always be on when the problem program is processing with STR devices.	None
	nnn2A - If disk, missing address mark. If tape, tape drive is in file-protect status. If STR processing, specifies: Interface A.		None
	nnn4A - If disk, file mask violated. If tape, tape drive is in write status. If STR processing, indicates: INQ.		None
	nnn8A - If disk, no record found. If tape, the tape is at load point. If 1287 (document mode), an invalid font has been specified. If STR processing, indicates: TEL.	Terminate the job.	1 F1
		Discontinue transmission and continue processing.	4 F4
		Contact remote terminal. Have operator there check device for trouble. Reply to retry.	5 F5
		Terminate the job.	6 F6

Figure 3. Third Part of Three-Part PIOCS Message (Sense Information) (5 of 5)

0200

Program: SYSSUP

Meaning: Defective track. A second message gives the cylinder and head numbers (cchh) of the defective track.

1. Problem program accepts non-recoverable I/O error (CCB byte 2, bit 3 is ON) and processing continues, or

0900

2. Problem program does not accept non-recoverable I/O error and machine is in a wait loop.

Action: No restart is provided. IPL must be used.

Reply: None

Meaning: Attempt to fetch a phase has been unsuccessful. The phase name is not in the core-image directory.

Action: Terminate the job with a storage printout. (The job must be restarted after correcting the phase name in the JOB card or program.)

Reply: 1; F1

Program: IPL

Meaning: I/O error during IPL. The job is being terminated.

Action: Retry the IPL procedure.

Reply: None

0701

Program: SYSSUP

Meaning: Program check. The job is being terminated with a storage printout.

Action: None

Reply: None

1040A

Program: JB CNTRL

Meaning: Missing JOB card.

Action: Insert JOB card into input stream; then reply to continue processing.

Reply: 4 or 5; blank

0702A

Program: SYSSUP

Meaning: The request key on the 1052 printer-keyboard has been pressed.

Action: Make desired entry.

1050A

Program: JB CNTRL

Meaning: Missing DATE card.

Action: Insert DATE card into input stream; then reply to continue processing.

Reply: 4 or 5; blank

0703A

Program: SYSSUP

Meaning: Checkpoint area allocated on SYSRES not sufficient for checkpoint records.

Action: Ignore the error and continue processing. The checkpoint routine is incomplete.

Reply: 4 or 5; blank

1110A

Program: JB CNTRL

Meaning: Two JOB cards. Both cards have been ignored.

Action: Insert one JOB card; then reply to continue processing.

Reply: 4 or 5; blank

0704A

Program: SYSSUP

1200A

Program: JB CNTRL

Meaning: Invalid job-control card.
(First three columns are not
//blank.)

Action:

- If the card is DLAB, TPLAB, or XTENT, terminate the job.

Reply: 0 or 1; F0 or F1

- Otherwise, correct the card; then reply to continue processing.

Reply: 4 or 5; blank

1210A

Program: JB CNTRL

Meaning: Columns 1-15 of the continuation card are not blank.

Action:

- If the card is DLAB or TPLAB, terminate the job.

Reply: 0 or 1; F0 or F1

- Otherwise, correct the card; then reply to continue processing.

Reply: 4 or 5; blank

1220A

Program: JB CNTRL

Meaning: Job-control card contains an invalid operation code.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

1230A

Program: JB CNTRL

Meaning: DLAB or TPLAB card does not follow VOL card, or an XTENT card does not follow the DLAB card.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

130nA

Program: JB CNTRL

Meaning: Invalid operand in job-control card (n indicates which operand is in error).

Action:

- If the card is VOL, DLAB, TPLAB, or XTENT, terminate the job.

Reply: 0 or 1; F0 or F1

- Otherwise, correct the card; then reply to continue processing.

Reply: 4 or 5; blank

1407A

Program: JB CNTRL

Meaning: Overflow in the volume area. (Reallocation is needed to increase the size of the volume area.)

Action: Terminate the job.

Reply: 0 or 1, F0 or F1

1610A

Program: JB CNTRL

Meaning: Disk I/O error.

Action: Retry the operation.

Reply: 4 or 5; blank

1703A

Program: JB CNTRL

Meaning: PAUSE card has been read; processing has been suspended.

Action: Perform desired setup; then reply to continue processing.

Reply: 4 or 5; blank

1704A

Program: JB CNTRL

Meaning: Label card in error.

Action: Terminate the job. (Reload the job control program and submit the corrected control cards to restart processing.)

Reply: 0 or 1; F0 or F1

2610A

Program: LNK EDTR

Meaning: Disk I/O error.

Action: Retry I/O operation.

Reply: 4 or 5; blank

2703A

Program: LNK EDTR

Meaning: An error has been encountered in a program, the name of which begins with SYS.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

2L00A

Program: LNK EDTR

Meaning: Invalid input card. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L01A

Program: LNK EDTR

Meaning: Invalid control card. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L05A

Program: LNK EDTR

Meaning: Operand ends with a comma with no field following. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L06A

Program: LNK EDTR

Meaning: Control-card parameter is too long. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L07A

Program: LNK EDTR

Meaning: Operand extends past column 71 of the control card. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L10A

Program: LNK EDTR

Meaning: PHASE card contains no name. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L11A

Program: LNK EDTR

Meaning: Invalid flag on PHASE card. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L12A

Program: LNK EDTR

Meaning: Flag of L, but no label was supplied. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L13A

Program: LNK EDTR

Meaning: Displacement consists of a minus sign. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L14A

Program: LNK EDTR

Meaning: Decimal displacement in PHASE card is greater than six characters. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L15A

Program: LNK EDTR

Meaning: Decimal displacement has a nondecimal character. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L16A

Program: LNK EDTR

Meaning: Hexadecimal displacement in PHASE card contains a format error. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L17A

Program: LNK EDTR

Meaning: Hexadecimal displacement in PHASE card contains a nonhexadecimal character. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L18A

Program: LNK EDTR

Meaning: Phase load-origin is displaced from the end of storage, but displacement is not negative. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L19A

Program: LNK EDTR

Meaning: Label supplied, but flag is not L. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L20A

Program: LNK EDTR

Meaning: Label specified in PHASE card could not be found.

Action: Correct the PHASE card; then reply to continue processing.

Reply: 4 or 5; blank

2L21A

Program: LNK EDTR

Meaning: Label specified in PHASE card has been found, but an address has not been assigned.

Action: Correct the PHASE card; then reply to continue processing.

Reply: 4 or 5; blank

2L22A

Program: LNK EDTR

Meaning: The last phase processed contained no text (TXT) cards.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L25A

Program: LNK EDTR

Meaning: Invalid INCLUDE request, module is not in the relocatable library.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L26A

Program: LNK EDTR

Meaning: Attempting to nest too many levels of INCLUDE's.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L30A

Program: LNK EDTR

Meaning: ACTION card contains invalid operand (not CLEAR or MAP). Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L31A

Program: LNK EDTR

Meaning: SYSLSST is not assigned to a printer. The request for the MAP function will be ignored.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L32A

Program: LNK EDTR

Meaning: ACTION card with CLEAR in the operand was encountered too late to be executed.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L35A

Program: LNK EDTR

Meaning: ENTRY transfer label is greater than eight characters. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L40A

Program: LNK EDTR

Meaning: ESD card contains an invalid type. Remainder of card has been ignored.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L41A

Program: LNK EDTR

Meaning: The card just read belongs to a new module, but the end of the previous module (END card) has not yet been encountered.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L42A

Program: LNK EDTR

Meaning: Duplicate control-section name.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L43A

Program: LNK EDTR

Meaning: Invalid label duplication of LD.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L44A

Program: LNK EDTR

Meaning: Control dictionary is full.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L45A

Program: LNK EDTR

Meaning: The origin of a control section is not at a doubleword boundary.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L50A

Program: LNK EDTR

Meaning: ESID number in TXT/REP card does not reference a control section. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5 ; blank

2L51A

Program: LNK EDTR

Meaning: The REP card just read refers to a control section not yet assigned. Card has been ignored.

Action: Put card in proper place in input stream; then reply to continue processing.

Reply: 4 or 5; blank

2L52A

Program: LNK EDTR

Meaning: Nonhexadecimal character in REP card. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L53A

Program: LNK EDTR

Meaning: Invalid delimiter in REP card. Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L54A

Program: LNK EDTR

Meaning: The TXT, REP, or RLD card, just read has a loading address which is outside the phase. Card has been ignored.

Action: Put card in proper place in input stream; then reply to continue processing.

Reply: 4 or 5; blank

2L60A

Program: LNK EDTR

Meaning: Invalid XFR card (contains no transfer information). Card has been ignored.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

2L61A

Program: LNK EDTR

Meaning: Transfer label not previously defined. Card has been ignored.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

2L62A

Program: LNK EDTR

Meaning: Transfer label has been defined, but occurs as an external reference.

	<p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>	<p><u>Meaning:</u> Control section pointed to by P not yet processed. RLD card precedes TXT card for this control section.</p>
2L70A	<p><u>Program:</u> LNK EDTR</p> <p><u>Meaning:</u> An RLD or ESD card references and ESD item which has not been processed. The remainder of the card has been ignored.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>	<p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>
		2L75A
		<p><u>Program:</u> LNK EDTR</p> <p><u>Meaning:</u> Control section does not point to phase.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>
2L71A	<p><u>Program:</u> LNK EDTR</p> <p><u>Meaning:</u> A label definition referenced as a phase transfer point does not point to a section definition.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>	2L80A
		<p><u>Program:</u> LNK EDTR</p> <p><u>Meaning:</u> ENTRY card does not terminate the relocatable library input.</p> <p><u>Action:</u> Ignore the error, and continue processing. An ENTRY card with a blank operand is assumed.</p> <p><u>Reply:</u> 4 or 5; blank</p>
2L72A	<p><u>Program:</u> LNK EDTR</p> <p><u>Meaning:</u> A label definition used as a phase-load origin does not point to a section definition.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>	2L90
		<p><u>Program:</u> LNK EDTR</p> <p><u>Meaning:</u> Invalid relocatable-library request (,R); module is not in the relocatable library. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
2L73A	<p><u>Program:</u> LNK EDTR</p> <p><u>Meaning:</u> P-pointer does not point to a control section.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>	2L92
		<p><u>Program:</u> LNK EDTR</p> <p><u>Meaning:</u> Number of phases is too great to process. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
2L74A	<p><u>Program:</u> LNK EDTR</p>	

2L93

Program: LNK EDTR

Meaning: Phase size exceeds limit of the core-image library. The job is being terminated.

Action: None

Reply: None

2L94

Program: LNK EDTR

Meaning: Disk verification error in the core-image library. The job is being terminated.

Action: None

Reply: None

3001 CONTROL CARD nn INVALID

Program: S/M

Meaning: Column 1 of the nnth sort/merge control card is not blank. The job is being terminated.

Action: None

Reply: None

3002I NO MESSAGE FIELD DEFINER DETECTED IN OPTION CARD, SYSLOG ASSUMED

Program: S/M

Meaning: Processing is continuing. All messages will be printed on SYSLOG.

Action: None

Reply: None

3003 STATEMENT DEFINER INVALID - xxxxxx

Program: S/M

Meaning: The statement definer is invalid, or it does not appear between columns 2 and 15 of the control card. The job is being terminated.

Action: None

Reply: None

3004 NO END CARD FOUND AFTER READING 25 CONTROL CARDS

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3005 CONTINUATION CONTROL CARD nn INVALID

Program: S/M

Meaning: The first character in the continuation card for the nnth control card is not in column 16. The job is being terminated.

Action: None

Reply: None

3006I BLANK CONTROL CARD DETECTED

Program: S/M

Meaning: The card has been ignored.

Action: None

Reply: None

3007 MANDATORY xxxxxx CARD OMITTED

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3008 TYPE RUN NOT KNOWN - SORT OR MERGE NOT SPECIFIED

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3009 NO BLANK AFTER STATEMENT DEFINER - xxxxxxxx

Program: S/M

	<u>Meaning:</u> The job is being terminated.		<u>Action:</u> None
	<u>Action:</u> None		<u>Reply:</u> None
	<u>Reply:</u> None		
3010	FIELD DEFINER INVALID - xxxxx	3014	NO SEQUENCE VALUE GIVEN FOR CF nn
	<u>Program:</u> S/M		<u>Program:</u> S/M
	<u>Meaning:</u> The job is being terminated.		<u>Meaning:</u> The job is being terminated. (CF = Control Field)
	<u>Action:</u> None		<u>Action:</u> None
	<u>Reply:</u> None		<u>Reply:</u> None
3010A		3015	MORE THAN 12 CONTROL FIELDS SPECIFIED
	<u>Program:</u> AORGZ		<u>Program:</u> S/M
	<u>Meaning:</u> The TRCKS control card was not included in the input stream.		<u>Meaning:</u> The job is being terminated.
	<u>Action:</u> Insert the card; then reply to continue processing.		<u>Action:</u> None
	<u>Reply:</u> 4 or 5; blank		<u>Reply:</u> None
3011	VALUES INVALID - xxxxxxx	3016	DATA FORMAT NOT SPECIFIED
	<u>Program:</u> S/M		<u>Program:</u> S/M
	<u>Meaning:</u> The value(s) following a field definer is not a valid parameter(s). The job is being terminated.		<u>Meaning:</u> The job is being terminated.
	<u>Action:</u> None		<u>Action:</u> None
	<u>Reply:</u> None		<u>Reply:</u> None
3012	INVALID FORMAT CODE GIVEN - xx	3017	NO MAJOR CONTROL FIELD WAS GIVEN
	<u>Program:</u> S/M		<u>Program:</u> S/M
	<u>Meaning:</u> The format code for a SORT or MERGE control card is missing or incorrect. The job is being terminated.		<u>Meaning:</u> The job is being terminated.
	<u>Action:</u> None		<u>Action:</u> None
	<u>Reply:</u> None		<u>Reply:</u> None
3013	SORT AND MERGE CONTROL CARDS SPECIFIED IN SAME RUN	3018	NO L4 VALUE GIVEN
	<u>Program:</u> S/M		<u>Program:</u> S/M
	<u>Meaning:</u> The job is being terminated.		<u>Meaning:</u> The job is being terminated. (L4 = the minimum length for variable-length records.)
			<u>Action:</u> None
			<u>Reply:</u> None

3019	FIXED BLOCKING SPECIFIED FOR VARIABLE LENGTH RECORDS	<u>Meaning:</u> The job is being terminated.
	<u>Program:</u> S/M	<u>Action:</u> None
	<u>Meaning:</u> The job is being terminated.	<u>Reply:</u> None
	<u>Action:</u> None	
	<u>Reply:</u> None	
3020	CONTROL FIELD nn EXTENDS BEYOND END OF RECORD	3023 L4 GREATER THAN L1
	<u>Program:</u> S/M	<u>Program:</u> S/M
	<u>Meaning:</u> The job is being terminated.	<u>Meaning:</u> The job is being terminated.
	<u>Action:</u> None	<u>Action:</u> None
	<u>Reply:</u> None	<u>Reply:</u> None
3020A		3024 L3 GREATER THAN L1
	<u>Program:</u>	<u>Program:</u> S/M
	• CORGZ	<u>Meaning:</u> The job is being terminated.
	<u>Meaning:</u> Core-image library copying must be requested.	<u>Action:</u> None
	<u>Action:</u> Terminate the job.	<u>Reply:</u> None
	<u>Reply:</u> 0 or 1; F0 or F1	
	• LDSYS	3025 L1 MORE THAN nnnn BYTES
	<u>Meaning:</u> IPL header card (IPLDR) does not follow the TRCKS card.	<u>Program:</u> S/M
	<u>Action:</u> Terminate the job.	<u>Meaning:</u> The job is being terminated.
	<u>Reply:</u> 0 or 1; F0 or F1	<u>Action:</u> None
		<u>Reply:</u> None
3021	TOTAL CONTROL FIELD LENGTHS EXCEED 256	3026 KEYLEN ENTRY INVALID
	<u>Program:</u> S/M	<u>Program:</u> S/M
	<u>Meaning:</u> The job is being terminated.	<u>Meaning:</u> The job is being terminated.
	<u>Action:</u> None	<u>Action:</u> None
	<u>Reply:</u> None	<u>Reply:</u> None
3022	CONTROL FIELD nn GREATER THAN MAXIMUM ALLOWED	3027 STORAGE SPECIFIED LESS THAN 8192
	<u>Program:</u> S/M	<u>Program:</u> S/M
		<u>Meaning:</u> The job is being terminated.
		<u>Action:</u> None
		<u>Reply:</u> None
30	BOS Operator Messages	

<p>3027 STORAGE SPECIFIED MORE THAN 65,536</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3028 RECORD TYPE NOT SPECIFIED</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3029 ORDER DEFINER NOT SPECIFIED FOR MERGE RUN</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3030 NO SIZE SPECIFIED</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> No record size specified. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3030A</p> <p><u>Program:</u> LDSYS</p> <p><u>Meaning:</u> Core-image library header card (LOADC) does not follow the IPL cards.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>	<p>3031 TOTAL ALL CFS + 8 GREATER THAN L1 FOR ADDROUT RUN</p> <p><u>Program:</u> S/M</p>	<p><u>Meaning:</u> The job is being terminated. (CFS = Control Fields)</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3032 L1 EXCEEDS 80 FOR CARD INPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3033 BLOCKSIZE NOT EQUAL TO L1 FOR CARD INPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> Card input must be unblocked records. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3034 E32 NOT SPECIFIED WHEN L3 LESS THAN L1</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The shortening of variable-length records must be performed by the user by means of exit 32. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3034 E43 NOT SPECIFIED WHEN L3 LESS THAN L1</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The shortening of variable-length records must be performed by the user by means of exit 43. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
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3035 EXIT 31 NOT SPECIFIED WHEN USER OR NONSTD LABELS SPECIFIED FOR OUTPUT

Program: S/M

Meaning: The user must create user or nonstandard labels by means of exit 31. The job is being terminated.

Action: None

Reply: None

3035 EXIT 41 NOT SPECIFIED WHEN USER OR NONSTD LABELS SPECIFIED FOR OUTPUT

Program: S/M

Meaning: The user must create user or nonstandard labels by means of exit 41. The job is being terminated.

Action: None

Reply: None

3036 USER GIVEN FILE SIZE EXCEEDS MAXIMUM

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3037 INPUT BLOCK SIZE NOT A MULTIPLE OF L1

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3038 OUTPUT BLOCK SIZE NOT A MULTIPLE OF L3

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3039 A CF STARTS PRIOR TO BYTE 5 IN VARIABLE RECORDS

Program: S/M

Meaning: The job is being terminated. (CF = Control Field)

Action: None

Reply: None

3040 CONTROL FIELDS OVERLAP FOR OTHER THAN CH OR BI FORMAT

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3041 RECORD LENGTH NOT SPECIFIED

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3042 BLOCKING GREATER THAN nnnn

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3043I NOTPMK SPECIFIED WITH STANDARD OUTPUT LABELS

Program: S/M

Meaning: The NOTPMK entry will be ignored.

Action: None

Reply: None

3044 PHASE 1 MODIFICATION PROGRAM TOO LARGE

Program: S/M

	<p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None.</p> <p><u>Reply:</u> None</p>	3046	<p>NO LABEL TYPE SPECIFIED FOR OUTPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
3044	<p>PHASE 3 MODIFICATION PROGRAM TOO LARGE</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	3047	<p>DISK OPTIONS SPECIFIED FOR CARD INPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
3044	<p>PHASE 4 MODIFICATION PROGRAM TOO LARGE</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	3047	<p>DISK OPTIONS SPECIFIED FOR TAPE INPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
3045	<p>NO MEDIA SPECIFIED FOR INPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	3047	<p>DISK OPTIONS SPECIFIED FOR TAPE OUTPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
3045	<p>NO MEDIA SPECIFIED FOR OUTPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	3047	<p>TAPE OPTIONS SPECIFIED FOR CARD INPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
3046	<p>NO LABEL TYPE SPECIFIED FOR INPUT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	3047	<p>TAPE OPTIONS SPECIFIED FOR DISK INPUT</p> <p><u>Program:</u> S/M</p>

Meaning: The job is being terminated.

Action: None

Reply: None

3047 TAPE OPTIONS SPECIFIED FOR DISK OUTPUT

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3047 VARIABLE BLOCKING SPECIFIED FOR CARD INPUT

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3048 VARIABLE BLOCKING SPECIFIED FOR CARD INPUT

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3049 NO BLOCKSIZE GIVEN FOR INPUT

Program: S/M

Meaning: If the field definer BLKSIZE was specified, it was incorrect. The job is being terminated.

Action: None

Reply: None

3049 NO BLOCKSIZE GIVEN FOR OUTPUT

Program: S/M

Meaning: If the field definer BLKSIZE was specified, it was incorrect. The job is being terminated.

Action: None

Reply: None

3050 INSUFFICIENT MERGEW TRACKS GIVEN FOR MERGE

Program: S/M

Meaning: A minimum of 2 tracks must be specified for the merge-only work area. The job is being terminated.

Action: None

Reply: None

3051 ADDRROUT SPECIFIED FOR MERGE

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3052 CARD INPUT INVALID FOR MERGE

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3053A

Program: S/M

Meaning: The original sort run was interrupted prior to the beginning of phase 2.

Action: Reply to rerun the job.

Reply: 5; blank

3054A

Program: S/M

Meaning: Checkpoint record could not be read from or written on the disk-storage device.

Action:

- Retry the operation.

Reply: 5; blank

- Reply to terminate the job; then correct the disk-pack assignment, and retry the restart procedure.

Reply: 0 or 1; F0 or F1

3055 INVALID RESTART CHECK DISK PACK PLACEMENT

Program: S/M

Meaning: The disk packs have not been placed on the same drive as the original run, or the sort date has been destroyed since the original sort run. The job is being terminated.

Action: None

Reply: None

3056 LABELED INPUT FILE SPECIFIED FOR CARD INPUT

Program: S/M

Meaning: The job is being terminated.

Action: None

Reply: None

3057I MFS nnnnnnn MAX. FILE SIZE

Program: S/M

Meaning: Maximum number of records that can be processed for this run.

Action: None

Reply: None

3058I TRACKS nnnnn NUMBER OF SORTW TRACKS - SPECIFIED

Program: S/M

Meaning: The number of disk tracks specified by the user for his work area.

Action: None

Reply: None

3058I TRACKS nnnnn NUMBER OF MERGEW TRACKS - SPECIFIED

Program: S/M

Meaning: The number of disk tracks specified by the user for his work area.

Action: None

Reply: None

3059I VARIABLE BLOCKING SPECIFIED

Program: S/M

Meaning: Variable-length blocking has been specified for the input file.

Action: None

Reply: None

3060A

Program: LDSYS

Meaning: A PHASE card for the phase being loaded has not been detected.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3060I END OF ASSIGNMENT PHASE - NO ERRORS

Program: S/M

Action: None

Reply: None

3061I END OF ASSIGNMENT PHASE NO ERRORS - RESTART VALID

Program: S/M

Meaning: This is a sort-restart run that has been previously interrupted during phase 2 or 3.

Action: None

Reply: None

3062 END OF ASSIGNMENT PHASE - ERRORS DETECTED, CORRECT AND RERUN

Program: S/M

	<u>Meaning:</u> The job is being terminated.		<u>Reply:</u> None
	<u>Action:</u> None	3067	STANDARD LABELS NOT SPECIFIED FOR DISK OUTPUT
	<u>Reply:</u> None		<u>Program:</u> S/M
3063I	CONTROL CARD INFORMATION		<u>Meaning:</u> The job is being terminated.
	<u>Program:</u> S/M		<u>Action:</u> None
	<u>Meaning:</u> This message serves as a heading for a listing of the user-prepared control-card contents.		<u>Reply:</u> None
	<u>Action:</u> None	3068	OUTPUT BLOCKSIZE INVALID FOR VARIABLE RECORDS
	<u>Reply:</u> None		<u>Program:</u> S/M
3064	DUPLICATE STATEMENT DETECTED, xxxxxx		<u>Meaning:</u> The maximum output blocksize may not be less than the maximum input blocksize plus four bytes. The job is being terminated.
	<u>Program:</u> S/M		<u>Action:</u> None
	<u>Meaning:</u> Two control cards contain identical statement definers. The job is being terminated.		<u>Reply:</u> None
	<u>Action:</u> None	3069	MAXIMUM ALLOWABLE BLOCKSIZE LESS THAN MINIMUM OF 300
	<u>Reply:</u> None		<u>Program:</u> S/M
3065I	LMAX nnnnn BMAX nnnnn		<u>Meaning:</u> Either the MODS cards is in error, or the user's routine is too large. The job is being terminated.
	<u>Program:</u> S/M		<u>Action:</u> None
	<u>Meaning:</u> Assignment-phase-computed maximum input/output record length and block length.		<u>Reply:</u> None
	<u>Action:</u> None	3069	MAXIMUM ALLOWABLE BLOCKSIZE LESS THAN MINIMUM OF 400
	<u>Reply:</u> None		<u>Program:</u> S/M
3066	L4 GIVEN FOR FIXED LENGTH RECORDS		<u>Meaning:</u> Either the MODS card is in error, or the user's routine is too large. The job is being terminated.
	<u>Program:</u> S/M		<u>Action:</u> None
	<u>Meaning:</u> The job is being terminated.		<u>Reply:</u> None
	<u>Action:</u> None	3070	ASSUMING INPUT BLOCKSIZE IS nnnnn, OUTPUT BLOCKSIZE MAY NOT EXCEED nnnnn
	<u>Reply:</u> None		<u>Program:</u> S/M
3067	STANDARD LABELS NOT SPECIFIED FOR DISK INPUT		<u>Meaning:</u> If the input blocksize has been correctly specified, the output
	<u>Program:</u> S/M		
	<u>Meaning:</u> The job is being terminated.		
	<u>Action:</u> None		

<p>blocksize exceeds the allowable maximum for a merge-only operation. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>merge-only operation. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
<p>3071 INPUT OR OUTPUT BLOCKSIZE IS INVALID</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> Either the input or the output blocksize specified exceeds the allowable maximum. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3075 ONLY n TRACKS SPECIFIED ON LAST SORTW EXTENT</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The minimum number of tracks that may be specified for a sort operation is 4. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
<p>3072 EXIT 31 SPECIFIED WHEN NO USER OR NONSTD LABELS WERE SPECIFIED</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3080A</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Assembler source deck contains no END card.</p> <p><u>Action:</u></p> <ul style="list-style-type: none"> • Continue reading source deck. <p><u>Reply:</u> 5; F5</p> <ul style="list-style-type: none"> • Terminate the job. <p><u>Reply:</u> 4; F4</p>
<p>3072 EXIT 41 SPECIFIED WHEN NO USER OR NONSTD LABELS WERE SPECIFIED</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3101 PHASE 1 UNREADABLE BLOCKS BYPASSED nnnn</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The BYPASS option has been specified for tape input. (nnnn represents the number of blocks bypassed by the sort program.)</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
<p>3073 L1 INVALID</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The input record length exceeds the allowable maximum. The job is being terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>3102I RECORDS PROCESSED nnnnnnnnnn</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> nnnnnnnnnn is the number of records processed by phase 1.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
<p>3074 INPUT BLOCKSIZE INVALID</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> The input blocksize exceeds the allowable maximum for a</p>	

3103I MERGE PASSES nnnn

Program: S/M

Meaning: nnnn represents the number of merge passes which will be performed by phases 2 and 3.

Action: None

Reply: None

3120A

Program: CORGZ

Meaning: Duplicate COPYS cards for the library identified in the first list field, or Duplicate TRACKS cards.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3104 FILE SIZE EXCEEDED

Program: S/M

Meaning: The work area specified is not large enough to process the number of records printed out in the RECORDS PROCESSED message. The job is being terminated.

Action: None

Reply: None

3200

Program:

- AORGZ, CSERV, DSERV, LOGZ, MMAINT, MSERV, PSERV, RMAINT, RSERV, SYSCMA

Meaning: The card just read is not a control card (first three columns are not //blank).

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

3105A

Program: S/M

Meaning: The system has entered the wait state so that the operator can mount the next reel of tape.

Action: Mount the next reel of input tape on the same drive as the previous reel; then reply to continue processing.

Reply: 4; blank

- CORGZ

Meaning: Control card is missing.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3106 WLR

Program: S/M

Meaning: Wrong-length records were bypassed by phase 1. The job is being terminated.

Action: None

Reply: None

- LDSYS

Meaning: The card just read is not a control or loader card.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3107I END PHASE 1

Program: S/M

Action: None

Reply: None

3201I PHASE 2, PASS nn

Program: S/M

Meaning: Indicates the beginning of the pass.

Action: None

Reply: None

3210A

Program:

- PSERV

Meaning: There is a punch in the continuation column (col. 72), but the last operand in the card is not followed by a comma, or

A comma follows the last operand in the card, but the continuation column is blank.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

- CORGZ

Meaning: Invalid continuation of the TRCKS card or the first list item of the COPYS card.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- LDSYS

Meaning: The continuation indicator in the control card just read is invalid.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- CSERV, PSERV

Meaning: Columns 1-15 of the continuation card are not blank.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

3230A

Program:

- CORGZ

Meaning: TRCKS card out of sequence.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- LDSYS

Meaning: A PHASE card or the control end card has been detected before an XFR or assembler END card from the previous phase has been processed.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3220A

Program:

- AORGZ, CORGZ, CSERV, DSERV, LOGZ, MMAINT, MSERV, PSERV, RMAINT, RSERV, SYSCMA

Meaning: The control card just read contained an invalid operation code.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

- CORGZ, RMAINT, RSERV

Meaning: No blank follows the operation code.

3240

Program: RMAINT

Meaning: Invalid card encountered in SYSIPT prior to REND or ENTRY.

Action: None

Reply: None

3240A

Program:

- AORGZ

Meaning: The allocations for related items are inconsistent.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- CORGZ Action: Terminate the job.

Meaning: The COPYS card just read is in error.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- LDSYS

Meaning: The IPL input cards are invalid.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- PSERV

Meaning: An operation code or operand is missing from the card just read.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

33nn

Program:

- DSERV

Meaning: The nnth operand of the DSPLY card is unrecognizable. The error has been ignored, and processing is continuing.

Action: None

Reply: None

- LORGZ

Meaning: The nnth operand of the CONDS card is unrecognizable. The error has been ignored, and processing is continuing.

Action: None

Reply: None

3250A

Program: LDSYS

Meaning: TXT card address is less than program address on last PHASE card read.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3300A

Program:

- CORGZ, LDSYS

Meaning: TRCKS card in error:

1. Core-image directory or library has not been allocated,
2. Macro or relocatable directory has been allocated, but corresponding library has not,
3. Macro or Relocatable library has been allocated, but corresponding directory has not, or
4. TRCKS card specifies zero number of tracks.

33nnA

Program:

- AORGZ, CORGZ, LDSYS

Meaning: The nnth operand of the TRCKS card just read is in error.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- CSERV

Meaning: The phase specified by the nnth operand of the card just read is invalid.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

- DSERV
Meaning: ALL is incorrectly specified in the nth operand of the DSPLY card just read.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

- LORGZ
Meaning: ALL is incorrectly specified in the nth operand of the CONDS card just read.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

- PSERV, RSERV, SYSCMA
Meaning: The nth operand of the card just read is invalid.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

3301A

Program:

- CORGZ
Meaning: Invalid library identifier on COPYS card.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- LDSYS
Meaning: PHASE card has invalid phase-name characters.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- MMAINT, RMAINT
Meaning: The first operand of the control card just read is invalid.

Action: Correct the card; then reply to continue processing.

Reply: 4 or 5; blank

3301I PHASE 3, PASS nn

Program: S/M

Meaning: Indicates the beginning of the pass.

Action: None

Reply: None

3302

Program:

- MMAINT
Meaning: Second operand of the RENAM card matches a name in the macro directory. The rename function is not performed. Processing continues.

Action: None

Reply: None

- RMAINT
Meaning: Second operand of control card matches a name in the relocatable directory. The rename function is not performed. Processing continues.

Action: None

Reply: None

- SYSCMA
Meaning: Second operand of the RENAM card matches a name in the core-image directory. The rename function is not performed. Processing continues.

Action: None

Reply: None

3302A

Program:

- LDSYS
Meaning: Second operand of the PHASE card does not have an A.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

<ul style="list-style-type: none"> • RMAINT <p><u>Meaning:</u> Second operand of the control card just read is invalid.</p> <p><u>Action:</u> Correct the card; then reply to continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>	<p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
<ul style="list-style-type: none"> • S/M <p><u>Meaning:</u> A sequence error has been detected during the merging process in phase 3.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4; blank</p>	<p>3305I END OF SORT</p> <p><u>Program:</u> S/M</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
<p>3303A</p> <p><u>Program:</u></p> <ul style="list-style-type: none"> • LDSYS <p><u>Meaning:</u> The third operand of the PHASE card:</p> <ol style="list-style-type: none"> 1. Exceeds six characters in length, 2. Has decimal format, but contains nondecimal characters, or 3. Has hexadecimal format, but contains nonhexadecimal characters. <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p> <ul style="list-style-type: none"> • S/M <p><u>Meaning:</u> The system has entered the wait state so the operator can mount the next reel for tape output.</p> <p><u>Action:</u> Mount the next reel of tape on the same drive as the previous output reel; then reply to continue processing.</p> <p><u>Reply:</u> 4; blank</p>	<p>3400A</p> <p><u>Program:</u> CSERV</p> <p><u>Meaning:</u> Card following // END is not blank.</p> <p><u>Action:</u> Run out punch. Put three blank cards in hopper. Continue processing.</p> <p><u>Reply:</u> 8; blank</p>
<p>3304I RECORDS PROCESSED nnnnnnn</p> <p><u>Program:</u> S/M</p> <p><u>Meaning:</u> Indicates the number of records processed during phase 3.</p>	<p>3401A</p> <p><u>Program:</u></p> <ul style="list-style-type: none"> • AORGZ <p><u>Meaning:</u> Insufficient allocation for existing entries in the core-image directory.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p> <ul style="list-style-type: none"> • CORGZ <p><u>Meaning:</u> Core-image directory disk limits are exhausted.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p> <ul style="list-style-type: none"> • LDSYS <p><u>Meaning:</u> Core-image directory must be allocated additional tracks to handle the entry requested by the PHASE card just read.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p> <ul style="list-style-type: none"> • LNK EDTR, SYSCMA <p><u>Meaning:</u> Core-image directory is full.</p>

Action: Terminate the job with a 3403A system status report.

Reply: 4 or 5; blank

- S/M

Meaning: A sequence error has been detected in file A during the merging process.

Action: Ignore the error, and continue processing.

Reply: 4; blank

3402A

Program:

- AORGZ

Meaning: Insufficient allocation for existing phases in the core-image library.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- CORGZ

Meaning: Core-image library disk limits are exhausted.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- LDSYS

Meaning: Limits of the core-image library have been reached.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3402A SEQx

Program: S/M

Meaning: A sequence error has been detected in the file x during the merging process.

Action: Ignore the error, and continue processing.

Reply: 4; blank

Program:

- AORGZ

Meaning: Insufficient allocation for existing entries in the macro directory.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- CORGZ

Meaning: Macro directory disk limits are exhausted.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- MMAINT

Meaning: Macro directory space exhausted.

Action: Terminate the job with a system status report.

Reply: 4 or 5; blank

- S/M

Meaning: A sequence error has been detected in file C during the merging process.

Action: Ignore the error, and continue processing.

Reply: 4; blank

3404A

Program:

- AORGZ, CORGZ

Meaning: Insufficient allocation for the macro library.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- MMAINT

Meaning: Macro library space exhausted or not allocated.

Action: Terminate the job with a system status report.

Reply: 4 or 5; blank

- MSERV

Meaning: Macro directory space not allocated.

Action: Terminate the job with a system status report. 3405

Reply: 4 or 5; blank

- S/M

Meaning: A sequence error has been detected in file D during the merging process.

Action: Ignore the error, and continue processing.

Reply: 4; blank

3405

Program: RMAINT

Meaning: Relocatable directory is full. A status report will be printed out, and the job will be terminated.

Action: None

Reply: None

3405A

Program:

- AORGZ, CORGZ

Meaning: Limits of the relocatable directory have been reached.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- ASSEMB

Meaning: Limits of the relocatable directory have been reached.

Action:

- Ignore the AFILE card, and continue processing. Output will be produced at SYSOPT, and assemble-and-execute will not occur.

Reply: 2; F2

- Terminate the job with a system status report.

Reply: 3; F3

WRL FILE A

Program: S/M

Meaning: Wrong-length records were bypassed by phase 4. The job is being terminated.

Action: None

Reply: None

3405 WRL FILE B

Program: S/M

Meaning: Wrong-length records were bypassed by phase 4. The job is being terminated.

Action: None

Reply: None

3405 WRL FILE C

Program: S/M

Meaning: Wrong-length records were bypassed by phase 4. The job is being terminated.

Action: None

Reply: None

3405 WRL FILE D

Program: S/M

Meaning: Wrong-length records were bypassed by phase 4. The job is being terminated.

Action: None

Reply: None

3406

Program: RMAINT

Meaning: Relocatable library is full. A status report will be printed out, and the job will be terminated.

Action: None

Reply: None

3407A EOvx

3406A

Program: S/M

Program:

- AORGZ, CORGZ

Meaning: The system has entered the wait state so the operator can mount the next reel for the file x.

Meaning: Insufficient allocation for the relocatable library.

Action: Mount the next reel of tape on the drive for file B; then reply to continue processing.

Action: Terminate the job.

Reply: 4; blank

Reply: 0 or 1; F0 or F1

3408A

- ASSEMB

Program: S/M

Meaning: Insufficient allocation for the relocatable library.

Meaning: The system has entered the wait state so the operator can mount the next reel for file C.

Action: Terminate the job with a system status report.

Action: Mount the next reel of tape on the drive for file C; then reply to continue processing.

Reply: 4 or 5; blank

Reply: 4; blank

- RSERV

3409A

Meaning: Relocatable library not allocated.

Program:

Action: Terminate the job with a system status report.

- LDSYS

Reply: 4 or 5; blank

Meaning: The system pack cannot be built because:

- S/M

1. The VTOC (volume table of contents) has been generated on cylinder 01, or

Meaning: The system has entered the wait state so the operator can mount the next reel for file A.

2. The total number of tracks allocated via the TRCKS card exceeds the file extents available.

Action: Mount the next reel of tape on the drive for file A; then reply to continue processing.

Action: Terminate the job.

Reply: 4; blank

Reply: 0 or 1; F0 or F1

3407A

Program: AORGZ

Meaning: Insufficient allocation for volume area.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

Meaning: The system has entered the wait state so the operator can mount the next reel for file D.

Action: Mount the next reel of tape on the drive for file D; then reply to continue processing.

Reply: 4; blank

340AA

Program: ASSEMB

Meaning: Assembler work area, tape on SYSIST, or tape on SYSOPT, is exhausted.

Action: Terminate the job.

Reply: 4 or 5; blank

3410A

Program: S/M

Meaning: The system has entered the wait state so the operator can mount the next reel for the output file.

Action: Mount the next reel of tape on the drive for the output file, then reply to continue processing.

Reply: 4; blank

3411I PHASE 4 UNREADABLE BLOCKS BYPASSED
nnnn

Program: S/M

Meaning: nnnn is the number of blocks bypassed by the merge program. Processing will continue to end-of-job.

Action: None

Reply: None

3412I RECORDS PROCESSED nnnnnnn

Program: S/M

Meaning: The number of records processed by phase 4.

Action: None

Reply: None

3413I END OF MERGE

Program: S/M

Action: None

Reply: None

3416A

Program: RSERV

Meaning: Unrecognizable record for a module in the relocatable library. The record will not be displayed or punched.

Action: Ignore the error, and continue processing with the next module requested.

Reply: 4 or 5; blank

3419A

Program: AORGZ, CORGZ

Meaning: The allocation specified exceeds the limits supplied by the XTENT card.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3500

Program:

- MMAINT

Meaning: The macro that was to be renamed or deleted could not be found. Processing is continuing.

Action: None

Reply: None

- RMAINT

Meaning: The relocatable library has not been allocated. The job is being terminated.

Action: None

Reply: None

3500A

Program:

- ASSEMB

Meaning: The relocatable library has not been allocated. If processing is continued, output will be produced at SYSOPT, and assemble-and-execute will not occur.

Action:

3501

- Ignore the AFILE card, and continue processing.

Reply: 2; F2

- Terminate the job with a system status report.

Reply: 3; F3

- CORGZ

Meaning: The name describing an item to be copied is invalid:

1. Not found in the directory, or
2. Second name of pair separated by minus (-) appears in directory before first. (Name is displayed if SYSLST is available.)

Action: Terminate the job.

Reply: 0 or 1

35nn

Program:

- CSERV

Meaning: The item specified by the nth operand of the card just read cannot be found in the core-image library. Processing is continuing.

Action: None

Reply: None

- MSERV

Meaning: The nth macro specified could not be found. Processing is continuing.

Action: None

Reply: None

- RSERV

Meaning: Module name specified in the nth operand could not be found. Processing is continuing.

Action: None

Reply: None

Program:

- RMAINT

Meaning: Module name could not be found in relocatable directory. Processing is continuing.

Action: None

Reply: None

- SYSCMA

Meaning: Phase name specified in a DELET or RENAM card could not be found in the core-image directory. The requested function is being ignored, and processing is being continued with the next card.

Action: None

Reply: None

3540A

Program:

- CORGZ

Meaning:

1. Invalid request for copying of library (library not allocated on system pack or SYS000), or
2. Supervisor and Job Control programs must be copied onto SYS000.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

- LDSYS

Meaning:

1. The volume label has not been written using the Initialize Disk utility program (this error is recognized before the first input card has been read), or
2. Either the Supervisor or Job Control has not been generated on the core-image library (this error is recognized after all input cards have been read).

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3625A

3610A

Program:

- AORGZ, ASSEMB, CSERV, DSERV, LDSYS, LNK EDTR, LORGZ, MMAINT, MSERV, PSERV, RMAINT, RSERV, SYSCMA

Meaning: Disk I/O error.

Action: Retry the I/O operation.

Reply: 4 or 5; blank

- CORGZ

Meaning: Disk I/O error on system residence device.

Action: Retry the I/O operation.

Reply: 4 or 5; blank

Program: ASSEMB

Meaning: No blank card after input.

Action: Run out cards. Insert blank cards. Retry.

Reply: 4 or 5; blank

3710A

Action: Retry the I/O operation.

Reply: 4 or 5; blank

- CORGZ

Meaning: Disk I/O error on system residence device.

Action: Retry the I/O operation.

Reply: 4 or 5; blank

Program: SYSCMA

Meaning: Phase being cataloged exceeds the core size.

Action:

- Catalog Phase if program will be executed on a larger system.

Reply: 4 or 5; blank

- Abort Job if program will be executed on machine of this size.

Reply: 0 or 1

3611A

Program: CORGZ

Meaning: Disk I/O error on SYS000.

Action: Retry the I/O operation.

Reply: 4 or 5; blank

3720A

Program: SYSCMA

Meaning: The SPVSR card just read was not the first control card.

Action:

- If a supervisor is to be cataloged, terminate the job.

Reply: 0 or 1; F0 or F1

- If a supervisor is not to be cataloged, ignore the error, and continue processing.

Reply: 4 or 5; blank

3620A

Program: CSERV, MSERV, RSERV, ASSEMB

Meaning: Punch error.

Action:

- 2540 Punch: Clear the punch feed. Discard the last two punched cards. Place blank cards in the hopper. Ready the punch. Then reply to retry the operation.

Reply: 4 or 5; blank

- 1442 and 2520 Punch: Clear the punch. Discard the last punched card. Place blank cards in the hopper. Ready the punch. Then reply to retry the operation.

Reply: 4 or 5; blank

3721A

Program: SYSCMA

Meaning: The SPVSR card was not followed by a CATAL card.

Action: Insert the correct card into the input stream; then reply to continue processing.

Reply: 4 or 5; blank

3722

Program: SYSCMA

Meaning: The phase name of the supervisor is not SYSSUP. The job is being terminated.

Action: None

Reply: None

Action:

- Accept the tape, and continue processing.

Reply: 2; F2

- Mount new tape; then reply to continue processing; program checks new tape before using it.

Reply: 3; F3

3723A

Program: SYSCMA

Meaning: A phase named SYSSUP has been encountered in the input stream, but the SPVSR card has not been used.

Action: Ignore the phase, and continue processing.

Reply: 4 or 5; blank

3744A

Program: ASSEMB

Meaning: Unrecognizable label on SYSLST.

Action:

- Accept the tape, and continue processing.

Reply: 2; F2

- Mount new tape; then reply to continue processing. Program checks new tape before using it.

Reply: 3; F3

3724

Program: SYSCMA

Meaning: A supervisor and other system programs have been successfully cataloged.

Action: None

Reply: None

375nA

Program: ASSEMB

Meaning: Unexpired label on SYS00n.

Action:

- Accept the pack, and continue processing.

Reply: 2; F2

- Mount new pack; then reply to continue processing. Program checks new pack before using it.

Reply: 3; F3

374nA

Program: ASSEMB

Meaning: Unrecognizable label on SYS00n.

Action:

- Accept the pack, and continue processing.

Reply: 2; F2

- Mount new pack; then reply to continue processing. Program checks new pack before using it.

Reply: 3; F3

3753A

Program: ASSEMB

Meaning: Unexpired label on SYSOPT.

Action:

- Accept the tape, and continue processing.

Reply: 2; F2

3743A

Program: ASSEMB

Meaning: Unrecognizable label on SYSOPT.

- Mount new tape; then reply to continue processing. Program checks new tape before using it.

3762A

Reply: 3; F3

Program: SYSCMA

Meaning: Linkage editor has completed processing of input module. Errors have been detected.

Action: Continue processing if errors are not serious.

Reply: 4 or 5; blank

3754A

Program: ASSEMB

Meaning: Unexpired label on SYSLST.

Action:

- Accept the tape, and continue processing.

Reply: 2; F2

- Mount new tape; then reply to continue processing. Program checks new tape before using it.

Reply: '3; F3

3764A

Program: CORGZ

Meaning: The channel and unit address assigned to the system-residence device is the same as that for SYS000.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3760

Program: LNK EDTR, SYSCMA

Meaning: Major error in input data. The job is being terminated.

Action: None

Reply: None

3770A

Program:

- LDSYS

Meaning: No available entry in the VTOC (volume table of contents).

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3760A

Program: LDSYS

Meaning: The entry in the VTOC for the system-residence device appears active.

Action: Write over the entry.

Reply: 4 or 5; blank

- SYSCMA

Meaning: Phase name submitted is identical to a permanent phase name in the core-image library.

Action: Continue processing. (The permanent phase will be executed, not the phase submitted.)

Reply: 4 or 5; blank

3761

Program: SYSCMA

Meaning: An error exists in the linkage-editor input data. The corresponding catalog request has been bypassed. Processing is continuing with the next library program-control card.

Action: None

Reply: None

3771A

Program: ASSEMB

Meaning: Temporary module to be entered into the relocatable library has the same name as a permanent module in the library.

<p><u>Action:</u></p> <ul style="list-style-type: none"> • Enter the module permanently (the previous module will be deleted). <p><u>Reply:</u> 2; F2</p> <ul style="list-style-type: none"> • Terminate the job with a system status report. <p><u>Reply:</u> 3; F3</p>	<p>3783A</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Improper device assignment for SYSOPT.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
<p>3772A</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Missing or invalid module name, or invalid operand, in the AFILE card.</p> <p><u>Action:</u></p> <ul style="list-style-type: none"> • Ignore the AFILE card, and continue processing (output will be produced at SYSOPT, assemble-and-execute will not occur). <p><u>Reply:</u> 2; F2</p> <ul style="list-style-type: none"> • Terminate the job with a system status report. <p><u>Reply:</u> 3; F3</p>	<p>3784A</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Improper device assignment for SYSLST.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
<p>3773A</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Assemble-and-execute has been specified, but no AFILE card appears in the input stream.</p> <p><u>Action:</u></p> <ul style="list-style-type: none"> • Continue processing (output will be produced at SYSOPT, assemble-and-execute will not occur). <p><u>Reply:</u> 2; F2</p> <ul style="list-style-type: none"> • Terminate the job with a system status report. <p><u>Reply:</u> 3; F3</p>	<p>3785A</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Improper device assignment for SYSIPT.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
<p>378nA</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Improper device assignment for SYS00n.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>	<p>3794A</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Conflicting device assignment for SYSLST.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
<p>379AA</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Both NOLIST and NODECK have been specified.</p>	<p>3795A</p> <p><u>Program:</u> ASSEMB</p> <p><u>Meaning:</u> Conflicting device assignment for SYSIPT.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>

Action: Override both NOLIST and NODECK, and continue processing.

Reply: 2; F2

3A00A

Program: AUTOTEST

Meaning: A valid printer or printer-keyboard must be assigned to SYSLOG.

Action:

- Correct the error, then reply to continue processing.

Reply: 4; blank

- Bypass the job by removing the test-set cards from SYSRDR, then reply to continue processing.

Reply: 4; blank

3A01A

Program: AUTOTEST

Meaning: A // JOB name, T card or an ATEOF card has been read outside the limits of a test set. (A test set is limited by the // JOB DATBID card and the ATEND card.)

Action: If the job-control cards for the test set were forgotten, place them in the reader hopper, followed by the test jobs. If the job is not a test job, correct the JOB card, or remove the ATEOF card. Reply to continue processing.

Reply: 4; blank

3A02A

Program: AUTOTEST

Meaning: A disk error has occurred while reading or writing in the autotest output area.

Action:

1. Remove the test-set cards from SYSRDR.
2. Change the autotest work area.
3. Insert the test-set cards into the input stream at SYSRDR.
4. Reply to continue processing.

Reply: 4; blank

3A03A FOR CTVAR ccuu

Program: AUTOTEST

Meaning: The end of the reel has been sensed while building a tape file on channel cc, unit uu, with the Card-to-Tape (Variable) utility.

Action: Replace the tape, then reply to continue processing. The test job being processed when the error occurred will be terminated.

Reply: 4; blank

3A04A

Program: AUTOTEST

Meaning: A diagnostic device is not available during the Card-to-Tape (Variable) utility. Either SYSLST must be a printer, or SYSLOG must be a printer or printer-keyboard

Action: Continue processing. (The test job being processed when the message occurred will be terminated.)

Reply: 4; blank

3A05

Program: AUTOTEST

Meaning: Either the supervisor or the autotest program has been destroyed. The test job is being terminated.

Action: None

Reply: None

3AUTA CORE SIZE PC

Program: AUTOTEST

Meaning: The main-storage size indicated in the communication region is:

1. Incorrect,
2. Invalid for autotest, or
3. Not the same size as the main-storage size used to linkage-edit the Autotest program into the core-image library.

Action:

- Correct the error, then reply to continue processing.

Reply: 4; blank

- Bypass the job by removing the test-set cards from SYSRDR, then reply to continue processing.

Reply: 4; blank

3AUTA DISK WRK AREA INVALID

Program: AUTOTEST

Meaning: The work area assigned for autotest use is not large enough.

Action:

- Correct the error, then reply to continue processing.

Reply: 4; blank

- Bypass the job by removing the test-set cards from SYSRDR, then reply to continue processing.

Reply: 4; blank

3AUTA FLT POINT PC

Program: AUTOTEST

Meaning: The communication region indicates floating-point registers, but none are present.

Action:

- Correct the card; then reply to continue processing.

Reply: 4; blank

- Bypass the job by removing the test-set cards from SYSRDR; then reply to continue processing.

Reply: 4; blank

3AUTA IF DISASTER CONTINUE - REPLY Y

Program: AUTOTEST

Meaning: The operator must specify whether he is rerunning the test set as a disaster-continue of a previous run.

Action:

- Disaster-continue.

Reply: Y; E8

- Not disaster-continue.

Reply: N; D5

3AUTA MISSING CTL CARD

Program: AUTOTEST

Meaning: The card following the ATEOF card was not an IDC or ATEND card, or the card-reader hopper is empty.

Action: Insert the missing card or more cards in the card-reader hopper; then reply to continue processing.

Reply: 4; blank

3AUTA RELOCATABLE LIB. INVALID

Program: AUTOTEST

Meaning: The relocatable library is either missing or full.

Action:

- Correct the error, then reply to continue processing.

Reply: 4; blank

- Bypass the job by removing the test-set cards from SYSRDR; then reply to continue processing.

Reply: 4; blank

3AUTA SYSOPT NON DISK

Program: AUTOTEST

Meaning: SYSOPT must be assigned to a disk.

Action:

- Correct the error; then reply to continue processing.

Reply: 4; blank

- Bypass the job by removing the test-set cards from SYSRDR; then reply to continue processing.

Reply: 4; blank

3AUTA SYSLST NON PRT

Program: AUTOTEST

Meaning: SYSLST must be assigned to a printer.

Action:

- Correct the error; then reply to continue processing.

Reply: 4; blank

- Bypass the job by removing the test-set cards from SYSRDR; then reply to continue processing.

Reply: 4; blank

Meaning: This message occurs after a diagnostic message, or if a 2 reply had been entered. It also occurs if the operator initiated an interruption.

Action: Correct utility control card and replace in card reader, reply to continue processing.

Reply: 3

3C51

Program: UTIL

Meaning: File A (SYS000) is not assigned.

Action: Reload the program with corrected job control cards.

Reply: None

3AUTA SYSRDR ASSIGNMENT INVALID

3C52

Program: AUTOTEST

Meaning: SYSRDR has been changed from a card reader to a tape unit in Job Control for either a user program or a utility.

Action: Remove the test job containing the invalid assignment. Correct the ASSGN card if it was misused or mispunched. A utility or user program using SYSRDR as a tape cannot be run.

Reply: 4; blank

Program: UTIL

Meaning: SYSOPT is not assigned for writing records that do not match.

Action: Reload the program with corrected job control cards.

Reply: None

3C53

Program: UTIL

Meaning: SYSLOG is not assigned for diagnostic messages.

Action: Reload the program with corrected job control cards.

Reply: None

3AUTA SYSRDR NON RDR

Program: AUTOTEST

Meaning: SYSRDR must be assigned to a card reader.

Action:

- Correct the error; then reply to continue processing.

Reply: 4; blank

- Bypass the job by removing the test-set cards from SYSRDR; then reply to continue processing.

Reply: 4; blank

3C54

Program: UTIL

Meaning: File B (SYS001) is not assigned.

Action: Reload the program with corrected job control cards.

Reply: None

3C33A

3C5AA

Program: UTIL

Program: UTIL

<p><u>Meaning:</u> SYS002 is not assigned when ALTA is specified.</p> <p><u>Action:</u> Correct job control cards and restart the program.</p> <p><u>Reply:</u> 2</p>	<p>3C5FA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> No value given for record or reel size parameter.</p> <p><u>Action:</u> Reply to continue processing next control card.</p> <p><u>Reply:</u> 2</p>
<p>3C5BA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> SYS003 is not assigned when ALTB is specified.</p> <p><u>Action:</u> Correct job control cards and restart the program.</p> <p><u>Reply:</u> 2</p>	<p>3C5GA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> Record size is larger than 5 digits, or the number of reels exceeds 255.</p> <p><u>Action:</u> Reply to continue processing next control card.</p> <p><u>Reply:</u> 2</p>
<p>3C5CA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> Missing control card, or incorrect format in utility control card parameter. The valid format is:</p> <p>// TPCP RECSIZ=(</p> <p><u>Action:</u> Correct control card and replace in card reader, reply to continue processing.</p> <p><u>Reply:</u> 5</p>	<p>3C5HA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> Leading zero in record or reel size parameter.</p> <p><u>Action:</u> Reply to continue processing next control card.</p> <p><u>Reply:</u> 2</p>
<p>3C5DA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> Invalid character in record or reel size parameter.</p> <p><u>Action:</u> Reply to continue processing next control card.</p> <p><u>Reply:</u> 2</p>	<p>3C5JA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> ALTA or ALTB parameter was assigned twice.</p> <p><u>Action:</u> Reply to continue processing next control card.</p> <p><u>Reply:</u> 2</p>
<p>3C5EA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> Parameters contain an invalid character, or commas are missing between parameters.</p> <p><u>Action:</u> Reply to continue processing next control card.</p> <p><u>Reply:</u> 2</p>	<p>3C5KA</p> <p><u>Program:</u> UTIL</p> <p><u>Meaning:</u> Record size is too large for I/O area assignment.</p> <p><u>Action:</u> Reply to continue processing next control card.</p> <p><u>Reply:</u> 2</p>

3C5LA

Program: UTIL

Meaning: VOL1 label is missing.

Action: Reply to continue processing next control card.

Reply: 2

3C5MA

Program: UTIL

Meaning: HDR1 label is missing.

Action: Reply to continue processing next control card.

Reply: 2

3C5NA

Program: UTIL

Meaning: Trailer labels are missing.

Action: Reply to continue processing next control card.

Reply: 2

3C5PA

Program: UTIL

Meaning: EOF detected on File A, but not on File B.

Action: Reply to continue processing next control card.

Reply: 2

3C5QA

Program: UTIL

Meaning: EOF detected on File B, but not on File A.

Action: Reply to continue processing next control card.

Reply: 2

3C5RA

Program: UTIL

Meaning: Reel count depleted before EOF was reached.

Action: Reply to continue processing next control card.

Reply: 2

3C5SA

Program: UTIL

Meaning: EOF assumed on unlabeled files. Tape mark detected, and reel count depleted.

Action: Reply to continue processing next control card.

Reply: 2

3C5WA

Program: UTIL

Meaning: EXIT was specified, but no user-exit routine supplied.

Action: Reply to continue processing next control card.

Reply: 2

3C5ZA

Program: UTIL

Meaning: End of Job.

Action: Reply to continue processing next control card.

Reply: 2

3C60

Program: UTIL

Meaning: Alternate tape for File B will be processed next.

Action: Processing continues.

Reply: None

3C70A

Program: UTIL

Meaning: Primary tape for File B will be processed next.

Action: Mount the next tape on the primary unit, reply to continue processing.

Reply: 6

3C80

Program: UTIL

Meaning: Alternate tape for File A will be processed next.

Action: Processing continues.

Reply: None

3C90A

Program: UTIL

Meaning: Primary tape for File A will be processed next.

Action: Mount the next tape on the primary unit, reply to continue processing.

Reply: 6

3ME1

Program: MMAINT

Meaning: Name field of statement is in error.

Action: None

Reply: None

3ME2

Program: MMAINT

Meaning: Operation code of statement is in error.

Action: None

Reply: None

3ME3

Program: MMAINT

Meaning: Operand of statement is in error.

Action: None

Reply: None

3ME3

Program: MMAINT

Meaning: Violation of specifications for macro instructions.

Action: None

Reply: None

3ME5

Program: MMAINT

Meaning: A MACRO card has not been read.

Action: None

Reply: None

3V01I NO FORMAT 4 LABEL FOUND - JOB CANCELED

Program: UTIL

Meaning: No format 4 label is found at the cylinder, track and record address obtained from the volume 1 label. Job is terminated.

Action: None

Reply: None

3V02I NO VOLUMN 1 LABEL FOUND - JOB CANCELED

Program: UTIL

Meaning: No Volume 1 label is found at disk location CYL0, TRK0, RCD 3. Job is terminated.

Action: None

Reply: None

3V03I INVALID VTOC ADDRESS FOUND - JOB
CANCELED

4000A

Program: UTIL

Meaning: The VTOC address in the volume 1 label is less than CYL0, TRK0, RCD4 or not less than CYL200, TRK0, RCD0. Job is terminated.

Action: None

Reply: None

Program: L IOCS

Meaning: Wrong-length record. Neither WLRERR=name nor ERROPT=parameter was specified.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

3V04I NO DISK RECORD FOUND - JOB CANCELED

Program: UTIL

Meaning: The no record found bit is detected in the disk CCE after disk read operations. Job is terminated.

Action: None

Reply: None

4001A

Program: L IOCS

Meaning: 2520 or 2540 punch error detected on an output file. The punch-check light is on.

Action:

- 2520 Punch: Discard the last card in pocket 1. Reply to continue processing.

Reply: 8; blank

3V05I NOT A VALID LABEL FORMAT AT THIS TIME

Program: UTIL

Meaning: Anything other than formats 1, 2, 3, 5 or hex 0 is encountered after the format 4 label is processed. Continue processing.

Action: None

Reply: None

- 2540 Punch: Run out the cards in punch feed. Discard last 4 cards in pocket 1. Press START on 2540. Then reply to continue processing.

Reply: 4 or 5; blank

4002A

Program: L IOCS

Meaning: Error occurred during the reading of a count field. IOCS is handling variable-record tracks on a disk file.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4nnn

Program: L IOCS

Meaning: First part of a two-part message. nnn is equivalent to cuu (where c is the channel number, and uu is the unit number). A second message follows.

Action: If a printer-keyboard is available, the second message will be printed out following the first message. If a printer-keyboard is not available, the operator must externally interrupt, and then display bytes 0-4 to obtain the second message.

Reply: None

XXXX
4003A

Program: L IOCS

Meaning: End of Reel has been detected during checkpoint (XXXX). The checkpoint is not taken.

Action: Continue processing without the requested checkpoint (XXXX).

Reply: 4 or 5; blank

4010A

Program: L IOCS

Meaning: Data Check has been detected on the 2671 paper tape reader.

Action:

- Backspace the tape two characters and ready the device; then reply to retry for a successful read.

Reply: 5; F5

- Reply to ignore the character in error and read the rest of the record.

Reply: 4; F4

- Reposition the tape at the beginning of this record or position the tape at the next available record; then reply to read again.

Reply: 8; blank

4011A

Program: L IOCS

Meaning: Equipment check has been detected on the 2671 paper tape reader.

Action:

- Reply to ignore the character in error and read the rest of the record.

Reply: 4; F4

- Reposition the tape at the beginning of this record or position the tape at the next available record; then reply to read again.

Reply: 8; blank

4110A

Program: L IOCS

Meaning: Standard-labeled output file is specified, but mounted output reel has no volume label. The mounted tape reel has been rewound and unloaded.

Action: Mount a new output reel, then reply to continue processing.

Reply: 4 or 5; blank

4111A

Program: L IOCS

Meaning: Standard-labeled input file is specified, but there is no volume label on the tape reel.

Action: Continue processing with the mounted reel.

Reply: 4 or 5; blank

4112A

Program: L IOCS

Meaning: Standard-label is specified, but mounted reel has a volume-label serial-number discrepancy.

Action:

- Continue processing with the mounted reel.

Reply: 4 or 5; blank

- Mount the correct reel; then reply to continue processing.

Reply: 8; F8

4113A

Program: L IOCS

Meaning: Standard-labeled input file is specified, but no standard label set can be found.

Action: Continue processing with the mounted reel.

Reply: 4 or 5; blank

4114A

Program: L IOCS

Meaning: Standard-labeled input file is specified, and the multifile set is positioned beyond the desired file.

Action: Remount or reposition the file; then reply to retry the OPEN routine.

4119A

Reply: 4 or 5; blank

Program: L IOCS

Meaning: Mounted scratch tape is active. The expiration date has not been reached.

4115A

Program: L IOCS

Meaning: The wrong file or file set is mounted. The desired file is not contained in this set.

Action:

- Ignore the expiration date, and continue processing.

Reply: 4 or 5; blank

Action: Mount the correct reel; then reply to retry the OPEN routine.

- Mount new tape. Reply to retry the OPEN routine.

Reply: 8; F8

4120A

Reply: 4 or 5; blank

Program: L IOCS

Meaning: Standard-labeled output is specified. No rewind is specified, but the tape is not a load point. No prior standard-label set can be found for use in creating the required label set.

4116A

Program: L IOCS

Meaning: The wrong volume of the set is mounted. The desired file does not begin on this volume.

Action: Terminate the job.

Action: Mount the correct reel; then reply to retry the OPEN routine.

Reply: 0 or 1; F0 or F1

Reply: 4 or 5; blank

4130A

Program: L IOCS

Meaning: A tape mark has been sensed on the input file. The EOVS/EOF routines cannot determine if the condition is end-of-volume (EOV) or end-of-file (EOF).

4117A

Program: L IOCS

Meaning: Read backward specified; no tape mark has been found. IOCS cannot position this file correctly.

Action: Indicate reason for tape mark:

Action: Accept the file, and bypass further checking.

- EOVS (more reels to process).

Reply: 4 or 5; blank

Reply: 8; F8

4118A

Program: L IOCS

Meaning: Read backward is specified. An error has been found in the trailer label.

- EOF

Reply: 4 or 5; blank

Action: Ignore the error, and continue processing.

4131A

Program: L IOCS

Meaning: Discrepancy detected when checking the block count on an input file.

Reply: 4 or 5; blank

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4132A

Program: L IOCS

Meaning: End-of-volume has been reached on an input file. No alternate drive is specified.

Action: Mount the next volume; then reply to continue processing.

Reply: 4 or 5; blank

4133A

Program: L IOCS

Meaning: Standard-labeled input file is specified and an error has been detected in a header label field other than file serial number, volume sequence number, and file sequence number.

Action:

- Ignore the error and continue processing.

Reply: 4 or 5; blank

- Mount the correct reel and retry the OPEN macro.

Reply: 8; blank

4140A

Program: L IOCS

Meaning: End-of-volume has been reached on an output file. No alternate drive is specified.

Action: Mount new scratch reel; then reply to continue processing.

Reply: 4 or 5; blank

4200A

Program: L IOCS

Meaning: No blank label can be found for creating a format-one label for this file.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4201A

Program: L IOCS

Meaning: No format-one label can be found for this file.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4202A

Program: L IOCS

Meaning: No record was found for the format-two label in the CLOSE routine.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4203A

Program: L IOCS

Meaning: The file is being extended and the load file has not been closed.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4204A

Program: L IOCS

Meaning: No format-four label was found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4205A

Program: L IOCS

Meaning: No volume label was found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4207A
Program: L IOCS
Meaning: Read error occurred on the system pack for XTENT cards.
Action: Terminate the job.
Reply: 0 or 1; F0 or F1

4208A
Program: L IOCS
Meaning: No DLAB card was found.
Action: Terminate the job.
Reply: 0 or 1; F0 or F1

4210A
Program: L IOCS
Meaning: Data check in count field when reading count.
Action: Terminate the job.
Reply: 0 or 1; F0 or F1

4211A
Program: L IOCS
Meaning: Read error on format-one label.
Action: Accept the unverified label, and continue processing.
Reply: 4 or 5; blank

4214A
Program: L IOCS
Meaning: Read error on format-four label.
Action: Accept the unverified label, and continue processing.
Reply: 4 or 5; blank

4215A
Program: L IOCS
Meaning: Read error on volume label.

4230A
Program: L IOCS
Meaning: Format-one label does not compare equal with DLAB card.
Action: Terminate the job.
Reply: 0 or 1; F0 or F1

4240A
Program: L IOCS
Meaning: Limits specified by XTENT cards overlap the file being opened.
Action: Terminate the job.
Reply: 0 or 1; F0 or F1

4241A
Program: L IOCS
Meaning: Extents overlap the volume table of contents (VTOC) limits.
Action: Terminate the job.
Reply: 0 or 1; F0 or F1

4244A
Program: L IOCS
Meaning: File is still active. (Expiration date has not been reached.)
Action: Override expiration data, and continue processing.
Reply: 4 or 5; blank

4245A
Program: L IOCS
Meaning: Too many extents have been specified for this volume.
Action: Terminate the job.
Reply: 0 or 1; F0 or F1

4246A

Program: L IOCS

Meaning: DLAB file serial number does not agree with volume serial number on the first extent (index area) of the file.

Action: Accept the file serial number from the index area extent.

Reply: 4 or 5; blank

4247A

Program: L IOCS

Meaning: XTENT card for an index is incorrect.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4252A

Program: L IOCS

Meaning: Prime data specifications are not adjacent.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4253A

Program: L IOCS

Meaning: Interphase data for building the disk extent entry table has been destroyed.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4254A

Program: L IOCS

Meaning: Number of extents supplied exceeds the number specified in the disk-extent entry.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4255A

Program: L IOCS

Meaning: Wrong pack has been mounted.

Action: Mount the correct pack, then reply to continue processing.

Reply: 4 or 5; blank

4275A

Program: L IOCS

Meaning: XTENT cards are out of sequence.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4299A

Program: L IOCS

Meaning: Read error occurred while a user-written program was being restored.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4301A

Program: L IOCS

Meaning: No format-one label can be found for the input file.

Action: Accept unverified extent from control-card records.

Reply: 4 or 5; blank

4304A

Program: L IOCS

Meaning: No format-four label can be found for the input file.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4305A

Program: L IOCS

Meaning: No volume label can be found for the input file.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4307A

Program: L IOCS

Meaning: No XTENT control-card record can be found for the input file.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4308A

Program: L IOCS

Meaning: No label record can be found for the input file.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4310A

Program: L IOCS

Meaning: A date check occurred while reading the input-file count field.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4311A

Program: L IOCS

Meaning: An error occurred while reading an input-file format-one label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4313A

Program: L IOCS

Meaning: An error occurred while reading an input-file format-three label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4314A

Program: L IOCS

Meaning: An error occurred while reading an input-file format-four label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4315A

Program: L IOCS

Meaning: An error occurred while reading an input-file volume label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4316A

Program: L IOCS

Meaning: An error occurred while reading an input-file user label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4317A

Program: L IOCS

Meaning: An error occurred while reading an input-file XTENT control-card record.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4318A

Program: L IOCS

Meaning: An error occurred while reading an input-file DLAB record.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4330A

Program: L IOCS

Meaning: The DLAB card and format-one labels for the input file do not match.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4342A

Program: L IOCS

Meaning: Limits on the XTENT control card are not within the limits specified in the input-file label.

Action: Continue processing using the extents specified in the XTENT control cards.

Reply: 4 or 5; blank

4343A

Program: L IOCS

Meaning: Input-file format-three label indicated by the pointer cannot be found.

Action: Continue processing using the extents specified in the XTENT control cards.

Reply: 4 or 5; blank

4348A

Program: L IOCS

Meaning: XTENT card is not a type one.

Action: Accept XTENT card as a type one, and continue processing.

Reply: 4 or 5; blank

4355A

Program: L IOCS

Meaning: Wrong pack mounted.

Action: Mount the correct pack; then reply to continue processing.

Reply: 4 or 5; blank

4366A

Program: L IOCS

Meaning: One-track extent specified as first extent on volume, and user labels are specified.

Action: Bypass extent, and continue processing.

Reply: 4 or 5; blank

4375A

Program: L IOCS

Meaning: XTENT cards are out of sequence.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4399A

Program: L IOCS

Meaning: An error occurred while restoring main storage.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4400A

Program: L IOCS

Meaning: No space in volume table of contents (VTOC) for new label.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4401A

Program: L IOCS

Meaning: No output-file format-one label can be found.

	<u>Action:</u> Terminate the job.	4408A	
	<u>Reply:</u> 0 or 1; F0 or F1		<u>Program:</u> L IOCS
4403A			<u>Meaning:</u> No output-file DLAB record can be found.
	<u>Program:</u> L IOCS		<u>Action:</u> Terminate the job.
	<u>Meaning:</u> No output-file format-three label can be found.		<u>Reply:</u> 0 or 1; F0 or F1
	<u>Action:</u> Terminate the job.	4409A	
	<u>Reply:</u> 0 or 1; F0 or F1		<u>Program:</u> L IOCS
4404A			<u>Meaning:</u> No record found in the VTOC (volume table of contents) for a label to be deleted, or an extent to be checked.
	<u>Program:</u> L IOCS		<u>Action:</u> Terminate the job.
	<u>Meaning:</u> No output-file format-four label can be found.		<u>Reply:</u> 0 or 1; F0 or F1
	<u>Action:</u> Terminate the job.	4410A	
	<u>Reply:</u> 0 or 1; F0 or F1		<u>Program:</u> L IOCS
4405A			<u>Meaning:</u> A data check occurred while reading the output-file count field.
	<u>Program:</u> L IOCS		<u>Action:</u> Terminate the job.
	<u>Meaning:</u> No output-file volume label can be found.		<u>Reply:</u> 0 or 1; F0 or F1
	<u>Action:</u> Terminate the job.	4411A	
	<u>Reply:</u> 0 or 1; F0 or F1		<u>Program:</u> L IOCS
4406A			<u>Meaning:</u> An error occurred while reading an output-file format-one label.
	<u>Program:</u> L IOCS		<u>Action:</u> Ignore the error, and continue processing.
	<u>Meaning:</u> No UTLO record (file mark) can be found. No trailer labels can be written.		<u>Reply:</u> 4 or 5; blank
	<u>Action:</u> Ignore the error, and continue processing.	4413A	
	<u>Reply:</u> 4 or 5; blank		<u>Program:</u> L IOCS
4407A			<u>Meaning:</u> An error occurred while reading an output-file format-three label.
	<u>Program:</u> L IOCS		<u>Action:</u> Ignore the error, and continue processing.
	<u>Meaning:</u> No output-file XTENT control-card record can be found.		<u>Reply:</u> 4 or 5; blank
	<u>Action:</u> Terminate the job.		
	<u>Reply:</u> 0 or 1; F0 or F1		

4414A

Program: L IOCS

Meaning: An error occurred while reading an output-file format-four label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4415A

Program: L IOCS

Meaning: An error occurred while reading an output-file volume label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4417A

Program: L IOCS

Meaning: An error occurred while reading an output-file XTENT control-card record.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4418A

Program: L IOCS

Meaning: An error occurred while reading an output-file DLAB record.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4419A

Program: L IOCS

Meaning: A read error occurred during searching of the output-file volume table of contents (VTOC).

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4441A

Program: L IOCS

Meaning: The XTENT card limits overlap the output-file VTOC.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4444A

Program: L IOCS

Meaning: The XTENT card limits overlap the unexpired output-file limits.

Action: Delete the file, and continue processing.

Reply: 4 or 5; blank

4445A

Program: L IOCS

Meaning: DLAB name is the same as an unexpired file already on the pack.

Action: Delete the file and continue processing.

Reply: 4 or 5; blank

4446A

Program: L IOCS

Meaning: DLAB file serial number does not agree with volume serial number on the first extent of the file.

Action: Accept file serial number from extent.

Reply: 4 or 5; blank

4448A

Program: L IOCS

Meaning: XTENT card is not a type one.

Action: Accept the XTENT card as a type one, and continue processing.

Reply: 4 or 5; blank

4450A

Program: L IOCS

Meaning: No more output-file XTENT control-card records.

Action:

- If a printer-keyboard is available, type the reply character. When the PROCEED light comes on, enter more limits in the form:

ccchccch

where the first ccch is the lower limit, and the second ccch is the upper limit. ccc may be 000-202; h may be 0-9. Then type an end-of-block character, and processing will continue.

Reply: 4 or 5; blank

- If no printer-keyboard is available, terminate the job.

Reply: F0 or F1

4455A

Program: L IOCS

Meaning: Wrong pack mounted.

Action: Mount the correct pack; then reply to continue processing.

Reply: 4 or 5; blank

4466A

Program: L IOCS

Meaning: One-track extent specified as the first extent on the volume, and user labels are requested.

Action: Bypass extent, and continue processing.

Reply: 4 or 5; blank

4475A

Program: L IOCS

Meaning: XTENT cards are out of sequence.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4477A

Program: L IOCS

Meaning: Extent entered via the printer-keyboard is in error.

Action: Retype the extent.

Reply: None

4499A

Program: L IOCS

Meaning: An error occurred while restoring main storage.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4501A

Program: L IOCS

Meaning: No close-file format-one label can be found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4505A

Program: L IOCS

Meaning: No close-file volume label can be found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4506A

Program: L IOCS

Meaning: No close-file UTL0 record (file mark) can be found. No trailer labels can be written.

Action: Bypass trailer label creation, and continue processing.

Reply: 4 or 5; blank

4510A

Program: L IOCS

	<p><u>Meaning:</u> A data check occurred during reading of a close-file count field.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>	<p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
		4605A
4511A	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> An error occurred during reading of a close-file format-one label.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> No input-file volume label can be found.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
		4607A
4515A	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> An error occurred during reading of a close-file volume label.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> No input-file XTENT control-card can be found.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
		4608A
4601A	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> No input-file format-one label can be found.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> No input-file DLAB record can be found.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
		4610A
4603A	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> No input-file format-three label can be found.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> A data check occurred during reading of the input-file count field.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
		4611A
4604A	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> No input-file format-four label can be found.</p>	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> An error occurred during reading of an input-file format-one label.</p> <p><u>Action:</u> Ignore the error, and continue processing.</p> <p><u>Reply:</u> 4 or 5; blank</p>

4613A

Program: L IOCS

Meaning: An error occurred during reading of an input-file format-three label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4630A

Program: L IOCS

Meaning: The DLAB record and the format-one label for the input file do not match.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4615A

Program: L IOCS

Meaning: An error occurred during reading of an input-file volume label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4648A

Program: L IOCS

Meaning: XTENT card is not a type one.

Action: Accept XTENT card as a type one, and continue processing.

Reply: 4 or 5; blank

4616A

Program: L IOCS

Meaning: An error occurred during reading of an input-file user label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4649A

Program: L IOCS

Meaning: End of error messages in diagnostic phases for input-file extents.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4617A

Program: L IOCS

Meaning: An error occurred during reading of an input-file XTENT control-card record.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4651A

Program: L IOCS

Meaning: Input-file symbolic units are not in sequence.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4618A

Program: L IOCS

Meaning: An error occurred during reading of an input-file DLAB record.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4655A

Program: L IOCS

Meaning: Wrong pack has been mounted on the input device.

Action: Mount the correct pack; then reply to continue processing.

Reply: 4 or 5; blank

4699A

Program: L IOCS

Meaning: An error occurred while restoring main storage.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4700A

Program: L IOCS

Meaning: No available space for the new output-file label.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4701A

Program: L IOCS

Meaning: No output-file format-one label can be found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4703A

Program: L IOCS

Meaning: No output-file format-three label can be found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4704A

Program: L IOCS

Meaning: No output-file format-four label can be found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4705A

Program: L IOCS

Meaning: No output-file volume label can be found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4707A

Program: L IOCS

Meaning: No out-file XTENT control-card record can be found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4708A

Program: L IOCS

Meaning: No output-file DLAB record can be found.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4709A

Program: L IOCS

Meaning: No record found in the VTOC (volume table of contents) for a label to be deleted, or an extent to be checked.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4710A

Program: L IOCS

Meaning: A data check occurred during reading of the output-file count field.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4711A

Program: L IOCS

Meaning: An error occurred during reading of the output-file format-one label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4713A

Program: L IOCS

Meaning: An error occurred during reading of the output-file format-three label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4714A

Program: L IOCS

Meaning: An error occurred during reading of the output-file format-four label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4715A

Program: L IOCS

Meaning: An error occurred during reading of the output-file volume label.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4717A

Program: L IOCS

Meaning: An error occurred during reading of the output-file XTENT control-card record.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4718A

Program: L IOCS

Meaning: An error occurred during reading of the output-file DLAB record.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4719A

Program: L IOCS

Meaning: A read error occurred during searching of the output-file VTOC.

Action: Ignore the error, and continue processing.

Reply: 4 or 5; blank

4740A

Program: L IOCS

Meaning: The output-file XTENT card limits overlap each other.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4741A

Program: L IOCS

Meaning: The output-file XTENT card limits overlap the volume table of contents (VTOC).

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4744A

Program: L IOCS

Meaning: The output-file extent limits overlap limits of unexpired file.

Action: Continue processing (part of the unexpired file may be destroyed).

Reply: 4 or 5; blank

4745A

Program: L IOCS

Meaning: The output-file contains too many extents in one volume.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4746A

Program: L IOCS

Meaning: DLAB file serial number does not agree with volume serial number on the first extent of the file.

Action: Accept the file serial number from extent.

Reply: 4 or 5; blank

4766A

Program: L IOCS

Meaning: One-track extent specified as the first extent on the volume, and user labels are requested.

Action: Bypass extent, and continue processing

Reply: 4 or 5; blank

4748A

Program: L IOCS

Meaning: XTENT card is not a type one.

Action: Accept XTENT card as a type one, and continue processing.

Reply: 4 or 5; blank

4799A

Program: L IOCS

Meaning: An error occurred while restoring main storage. (Under certain conditions a part of main storage is temporarily stored and retrieved by the OPEN routine.)

Action: Terminate the job. A defective pack may have caused this error. The pack may have to be re-initialized.

Reply: 0 or 1; F0 or F1

4749A

Program: L IOCS

Meaning: End of error messages in output-file XTENT diagnostic phases. Errors have been found and listed.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4818A

Program: L IOCS

Meaning: A DLAB or TPLAB record was not retrieved due to a read error or the absence of the proper filename.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4751A

Program: L IOCS

Meaning: The output-file symbolic units are not in sequence.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4856A

Program: L IOCS

Meaning: An error occurred during reading of labeled storage limits from the system pack.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

4755A

Program: L IOCS

Meaning: The wrong output-file pack has been mounted.

Action: Mount the correct pack; then reply to continue processing.

Reply: 4 or 5; blank

4884A

Program: L IOCS

Meaning: The output tape is in file-protect status.

Action: Correct the condition; then
reply to continue processing.

Reply: 4 or 5; blank

Action: None

Reply: None

4900

4905

Program: L IOCS

Meaning: A READ, WRITE, or CNTRL
was issued before the file was
opened.

Action: None

Reply: None

Program: L IOCS

Meaning: PREP issued during a read
or write sequence.

Action: None

Reply: None

4901

4906

Program: L IOCS

Meaning: A READ macro was issued
before successful completion of
Prepare.

Action: None

Reply: None

Program: L IOCS

Meaning: EOF issued during a read
sequence.

Action: None

Reply: None

4902

4907

Program: L IOCS

Meaning: A WRITE macro was issued
before successful completion of
Inquiry.

Action: None

Reply: None

Program: L IOCS

Meaning: TEL issued during a read
or write sequence.

Action: None

Reply: None

4903

4908

Program: L IOCS

Meaning: INQ was issued during a
read or write sequence.

Action: None

Reply: None

Program: L IOCS

Meaning: SOPEN issued for already
SOPENed line.

Action: None

Reply: None

4904

4909

Program: L IOCS

Meaning: Consecutive STR I/O macros
(SOPEN, READ, WRITE, ENTRL) were
issued for the same lines without an
intervening WAIT or WAITM macro.

Program: L IOCS

Meaning: Monitoring for ringing
requests exceed ANSWR=n.

Action: None

Reply: None

4920

Program: L IOCS

	<p><u>Meaning:</u> A READ, WRITE, CNTRL or IDIAL was issued before the line was opened.</p> <p><u>Action:</u> None</p>	<p><u>Action:</u> None</p>
		<p><u>Reply:</u> None</p>
	<p>4926</p>	
4921	<p><u>Reply:</u> None</p> <p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> A BOPEN was attempted but the line was already open.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> A CNTRL disconnect was issued on a non-switched line.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
	<p>4927</p>	
4922	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> No IDIAL was coded after BOPEN on a switched line.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> No WAIT was issued after the CNTRL macro.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
4923	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> An IDIAL was issued on a non-switched line.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>4931</p> <p><u>Program:</u> Operator Awareness (PIOCS)</p> <p><u>Meaning:</u> Bus-out check.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
4924	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> A READ on a leased line was issued before the completion of CNTRL prepare.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>4932</p> <p><u>Program:</u> Operator Awareness (PIOCS)</p> <p><u>Meaning:</u> Time out.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>
4925	<p><u>Program:</u> L IOCS</p> <p><u>Meaning:</u> A WRITE on a leased line was issued before the completion of CNTRL ENQ.</p>	<p>4933</p> <p><u>Program:</u> Operator Awareness (PIOCS)</p> <p><u>Meaning:</u> Lost data.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>

4934	<p><u>Program:</u> Operator Awareness (PIOCS)</p> <p><u>Meaning:</u> Intervention required.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p><u>Meaning:</u> Numeric record or matching fields out of sequence, or undefined record type.</p> <p><u>Action:</u></p> <ul style="list-style-type: none"> • Terminate the job, or <p><u>Reply:</u> 0 or 1; F0 or F1</p>
4CCB	<p><u>Program:</u> Operator Awareness (PIOCS)</p> <p><u>Meaning:</u> Space for an entry in the BSC CCB table is unavailable. The job is terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<ul style="list-style-type: none"> • Bypass the record, and continue processing. <p><u>Reply:</u> 5; F5</p>
4EPT	<p><u>Program:</u> Operator Awareness (PIOCS)</p> <p><u>Meaning:</u> The dtfname specified on the ERRPT macro is not in the CCB table. The job is terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>512nA (n = 1, 2, ... 9)</p> <p><u>Program:</u> RPG</p> <p><u>Meaning:</u> Halt switch set by object program.</p> <p><u>Action:</u></p> <ul style="list-style-type: none"> • Terminate the job, or <p><u>Reply:</u> 0 or 1; F0 or F1</p> <ul style="list-style-type: none"> • Set halt switch off, and continue processing. <p><u>Reply:</u> 5; F5</p>
4ERP	<p><u>Program:</u> Operator Awareness (PIOCS)</p> <p><u>Meaning:</u> Error on an I/O operation initiated by the BSC error routines. The job is terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>5200A</p> <p><u>Program:</u> RPG</p> <p><u>Meaning:</u> Machine size too small for RPG compiler. Size of generating machine specified on RPG Control Card too small, or size of supervisor too large.</p> <p><u>Action:</u> Terminate the job.</p> <p><u>Reply:</u> 0 or 1; F0 or F1</p>
4SNO	<p><u>Program:</u> Operator Awareness (PIOCS)</p> <p><u>Meaning:</u> Status or sense which occurred is meaningless for the I/O operation being checked. The job is terminated.</p> <p><u>Action:</u> None</p> <p><u>Reply:</u> None</p>	<p>5880A</p> <p><u>Program:</u> RPG</p> <p><u>Meaning:</u> Uncorrectable input error.</p> <p><u>Action:</u></p> <ul style="list-style-type: none"> • Terminate the job, or <p><u>Reply:</u> 0 or 1; F0 or F1</p> <ul style="list-style-type: none"> • Bypass the record, and continue processing. <p><u>Reply:</u> 5; F5</p>
5111A	<p><u>Program:</u> RPG</p>	<p><u>Reply:</u> 5; F5</p>

5881A

Program: RPG
Meaning: Uncorrectable output error.

Action:
• Terminate the job, or
Reply: 0 or 1; F0 or F1
• Bypass the record, and continue processing.
Reply: 5; F5

Action:
• Reply to indicate EOF.

Reply: Y; E8

• Reply to indicate EOv.

Reply: N; D5

ADDITIONAL INPUT DEVICE NOT DISK, POSSIBLE ERROR

Program: UTIL

Meaning: SYS002, 003, 004, or 005 is not a disk. An error may occur if the device(s) is used.

Action: None

Reply: None

5885A

Program: RPG
Meaning: No record found in chained file.

Action:
• Terminate the job, or
Reply: 0 or 1; F0 or F1
• Either correct the card and reinsert it in the input stream, or bypass the chaining record by reading another card, or
Reply: 2; F2
• Either correct the card and reinsert it in the input stream, or bypass the chaining record by going to detail calculations.
Reply: 5; F5

ADDITIONAL OUTPUT DEVICE NOT DISK, POSSIBLE ERROR

Program: UTIL

Meaning: SYS002, 003, 004, or 005 is not a disk. An error may occur if the device(s) is used.

Action: None

Reply: None

BLOCK LENGTH INVALID

Program: UTIL

Meaning: Data and/or key length specified incorrectly. The job is being terminated.

Action: None

Reply: None

5998A

Program: RPG
Meaning: Table fields out of sequence.

Action: Terminate the job.

Reply: 0 or 1; F0 or F1

CARD SEQUENCE ERROR CURRENT SEQnnnnnnnnnn
LAST SEQnnnnnnnnnn

Program: UTIL

Meaning: A card is out of ascending sequence. Processing is continuing.

Action: None

Reply: None

ANSRA

Program: UTIL
Meaning: Input-tape label checking is not performed. EOF (end-of-file) or EOv (end-of-volume) must be indicated.

xxx CANNOT PROCESS HEX PARAMETER

Program: UTIL

Meaning: Hexadecimal indicator is valid only for print-output programs. The job is being terminated.

Action: None

Reply: None

nnn CANNOT PROCESS PACK PARAMETER

Program: UTIL

Meaning: Pack indicator not valid for print-out programs. The job is being terminated.

Action: None

Reply: None

END CARD MISSING

Program: UTIL

Meaning: No END card supplied (//END), or non-control card read before END. The program is being terminated.

Action: None

Reply: None

END OF DATA

Program: UTIL

Meaning: End-of-file has been reached for this program. Processing is continuing.

Action: None

Reply: None

END OF JOB

Program: UTIL

Meaning: End-of-file has been reached for this job.

Action: None

Reply: None

END OF TAPE REEL nnnn

Program: UTIL

Meaning: Tape reel completed. (nnnn represents the unit address of the tape drive.)

Action: None

Reply: None

END OF VOLUME ccc t

Program: UTIL

Meaning: ccc is the number of the last cylinder, and t is the number of the last track, of the extent just processed.

Action: None

Reply: None

EOJ

Program: UTIL

Meaning: End-of-job.

Action: None

Reply: None

EOJ A/J TEST SET

Program: AUTOTEST

Meaning: The ATEND card has been processed, and the test set has come to a normal end-of-job.

Action: None

Reply: None

FIELD SELECT CARD MISSING

Program: UTIL

Meaning: Field-select was indicated on the utility-modifier card, but no field-select card was supplied. The job is being terminated.

Action: None

Reply: None

FIELD SELECT CARD NOT EXPECTED

Program: UTIL

Meaning: Field-select was not indicated on the utility-modifier card, but field-select card was supplied. The job is being terminated.

Action: None

Reply: None

FIELD SELECT MUST BE SPECIFIED

Program: UTIL

Meaning: Field-select must be specified when the output-record length differs from the input-record length. The job is being terminated.

Action: None

Reply: None

nnn FIELD SELECT PARAMETER FOR NONEXISTENT KEY

Program: UTIL

Meaning: A key field was specified in the field-select card, but no key was indicated in the utility-modifier card. The job is being terminated.

Action: None

Reply: None

FIXED LENGTH RECORD FORMAT REQUIRED

Program: UTIL

Meaning: Card input or output was not fixed length, or Tape input or output was not fixed-length for reblock or field-select. The job is being terminated.

Action: None

Reply: None

nnn FS INPUT LENGTH EQUALS ZERO

Program: UTIL

Meaning: Input-field length has been specified as zero. The program is being terminated.

Action: None

Reply: None

nnn HEX INPUT LENGTH EQUALS ZERO

Program: UTIL

Meaning: Input-field length has been specified as zero. The program is being terminated.

Action: None

Reply: None

//IDC xxx...

Program: AUTOTEST

Meaning: This message, which is also printed on SYSLST, identifies the start of a test job.

Action: None

Reply: None

INCORRECT BLOCK LENGTH AT BLK NO: nnnnnn

Program: UTIL

Meaning: Processing is continuing.

Action: None

Reply: None

INCORRECT INPUT DEVICE

Program: UTIL

Meaning: The specified input device is not valid for this job. The job is being terminated.

Action: None

Reply: None

INCORRECT OUTPUT DEVICE

Program: UTIL

Meaning: The specified output device is not valid for this job. The job is being terminated.

Action: None

Reply: None

INCORRECT PROGRAM

Program: UTIL

Meaning: The utility-modifier card contains the wrong program initials. The job is being terminated.

Action: None

Reply: None

INVALID CARD

Program: UTIL

Meaning: The utility-modifier card is identified improperly. The job is being terminated.

Action: None

Reply: None

INVALID CARD SEQUENCE

Program: UTIL

Meaning: Length parameter more than 10, or starting position plus length more than 80. The job is being terminated.

Action: None

Reply: None

INVALID CONTROL CARD

Program: UTIL

Meaning: A control card (with //blank in the first 3 columns) was read which was not a utility modifier, field-select, print-header, or END card. The job is being terminated.

Action: None

Reply: None

INVALID FILE NAME

Program: UTIL

Meaning: File name not UOUT. The job is being terminated.

Action: None

Reply: None

INVALID FORMAT

Program: UTIL

Meaning: Format incorrect. (Only the first 70 columns are checked.) The job is being terminated.

Action: None

Reply: None

nnn INVALID FORMAT. FIELD SELECT CARD

Program: UTIL

Meaning: Format error in field-select card. The job is being terminated.

Action: None

Reply: None

x INVALID FORMAT. UTILITY MODIFIER CARD

Program: UTIL

Meaning: Format error as follows. The job is being terminated.

x Error

A Input-format specifications error.

B Output-format specifications error.

F Record-format specifications error.

I Invalid input option.

J Invalid job type.

M Required parameter (A, B, or F) missing.

N Invalid program type.

O Invalid output option.

P Invalid page-number option.

Q Sequence-checking specifications error.

R Starting-record specifications error.

S Invalid spacing option.

T T parameter missing.

U Invalid parameter identifier.

Action: None

INVALID INPUT KEY LENGTH

Reply: None

Program: UTIL

x INVALID FORMAT UTIL MOD CARD

Meaning: The key length for disk input is greater than 255. The job is being terminated.

Program: UTIL

Meaning: Format error as follows. The job is being terminated.

Action: None

x Error

Reply: None

A A key field was used for nondisk input.

INVALID INPUT OPTION

B A key field was used for nondisk output, or A printer B format was used for non-printer output.

Program: UTIL

K A key field was used for nondisk input or output.

Meaning: There are no options for disk input. The job is being terminated.

Action: None

Action: None

Reply: None

Reply: None

INVALID INPUT BLOCK LENGTH

INVALID INPUT RECORD LENGTH

Program: UTIL

Program: UTIL

Meaning:

Meaning:

1. The input-block length is not a multiple of the record length, or
2. The block and record lengths are not equal for card input, or
3. The block size is greater than 3625 for disk input without keys.

1. Record length is greater than 80 (EBCDIC) or 160 (binary) for card input, or
2. Record length is greater than 4096 for tape input, or
3. Block length is not a multiple of the record length for disk input without key.

The job is being terminated.

The job is being terminated.

Action: None

Action: None

Reply: None

Reply: None

INVALID INPUT DATA LENGTH

INVALID JOB FOR THIS PROGRAM

Program: UTIL

Program: UTIL

Meaning: Data length plus key length is greater than 3605. The job is being terminated.

Meaning: The job cannot be processed by the program specified. The job is being terminated.

Action: None

Action: None

Reply: None

Reply: None

INVALID LABEL

Program: UTIL

Meaning: Tape label found instead of disk. The job is being terminated.

Action: None

Reply: None

INVALID OUTPUT OPTION

Program: UTIL

Meaning: The job is being terminated.

Action: None

Reply: None

INVALID OUTPUT BLOCK LENGTH

Program: UTIL

Meaning:

1. The block length is not a multiple of the record length, or
2. The disk output-block length is greater than 3625, or
3. The copy function is being used, but the block lengths are not equal.

The job is being terminated.

Action: None

Reply: None

INVALID OUTPUT PARAMETER

Program: UTIL

Meaning: The output parameter was neither Y nor N. The job is being terminated.

Action: None

Reply: None

INVALID OUTPUT RECORD LENGTH

Program: UTIL

Meaning:

1. Record length is greater than 80 (EBCDIC) or 160 (binary) for card output, or
2. Record length is greater than 4096 for tape output, or
3. Record length is greater than 144 for printer output, or
4. Block size is not a multiple of record length for disk output without keys.

The job is being terminated.

Action: None

Reply: None

INVALID OUTPUT DATA LENGTH

Program: UTIL

Meaning: Data length plus key length is greater than 3605. the job is being terminated.

Action: None

Reply: None

nnn INVALID PACK OUTPUT LENGTH

Program: UTIL

Meaning: The parameter values specified are invalid. The job is being terminated.

Action: None

Reply: None

INVALID OUTPUT KEY LENGTH

Program: UTIL

Meaning: The key length for disk output is greater than 255. The job is being terminated.

Action: None

Reply: None

INVALID PARAMETER

Program: UTIL

Meaning: The parameter value is specified incorrectly. The job is being terminated.

Action: None

Reply: None

I/O DEVICE AT SYS00 (2, 3, 4, OR 5) NOT DISK, POSSIBLE ERROR

Program: UTIL

Meaning: SYS002, 003, 004, or 005 is not assigned a disk. Processing is continuing.

Action: None

Reply: None

INVALID SYM. UNIT OF XTENT CARD

Program: UTIL

Meaning: Specified unit is other than SYSOPT, SYS002, SYS003, SYS004, or SYS005. The job is being terminated.

Action: None

Reply: None

MORE THAN 5 XTENT

Program: UTIL

Meaning: Program has more than five areas specified. The job is being terminated.

Action: None

Reply: None

nnn INVALID UNPACK OUTPUT LENGTH

Program: UTIL

Meaning: The parameter values specified are invalid. The job is being terminated.

Action: None

Reply: None

NO END CARD

Program: UTIL

Meaning: The job is being terminated.

Action: None

Reply: None

I/O AREA CANNOT BE ASSIGNED

Program: UTIL

Meaning: There is not enough main storage to assign the specified input/output areas. The job is being terminated.

Action: None

Reply: None

NON-STANDARD LABEL INVALID INPUT

Program: UTIL

Meaning: The disk programs will not process nonstandard labels. The job is being terminated.

Action: None

Reply: None

I/O AREA NOT ENOUGH FOR SPECIFIED RECORD SIZE

Program: UTIL

Meaning: The job is being terminated.

Action: None

Reply: None

NON-STANDARD LABEL INVALID OUTPUT

Program: UTIL

Meaning: The disk programs will not process nonstandard labels. The job is being terminated.

Action: None

Reply: None

NO VOL, DLAB, XTENT

Program: UTIL

Meaning: No label cards supplied.
The job is being terminated.

Action: None

Reply: None

nnn PACK INPUT LENGTH EQUALS ZERO

Program: UTIL

Meaning: The input field has been
specified as zero. The job is being
terminated.

Action: None

Reply: None

nnn RECORD CAPACITY EXCEEDED BY FS

Program: UTIL

Meaning: The nnnth field-select
parameter specifies a field not
entirely contained within the input
or output record. The job is being
terminated.

Action: None

Reply: None

nnn RECORD CAPACITY EXCEEDED BY HEX

Program: UTIL

Meaning: The nnnth field-select
parameter specifies a field not
entirely contained within the input
or output record. The job is being
terminated.

Action: None

Reply: None

nnn RECORD CAPACITY EXCEEDED BY PACK

Program: UTIL

Meaning: The nnnth field-select
parameter specifies a field not
entirely contained within the input
or output record. The job is being
terminated.

Action: None

Reply: None

nnn RECORD CAPACITY EXCEEDED BY UNPK

Program: UTIL

Meaning: The nnnth field-select
parameter specifies a field not
entirely contained within the input
or output record. The job is being
terminated.

Action: None

Reply: None

SYSOPT (002, 003, etc) NOT A 2311 DISK
DRIVE

Program: UTIL

Meaning: SYSOPT (002, 003, etc) is
not a disk drive. The job is being
terminated.

Action: None

Reply: None

SYSOPT (002, 003, 004, or 005) NOT DEFINED

Program: UTIL

Meaning: The disk to be cleared was
not specified, but the symbolic unit
has been specified on the XTENT
card. The job is being terminated.

Action: None

Reply: None

SYS00 (0 or 1) NOT TAPE, POSSIBLE ERROR

Program: UTIL

Meaning: SYS00 (0 or 1) is not a
tape drive. An error may occur if
the device is used.

Action: None

Reply: None

nnn UNPK INPUT LENGTH EQUALS ZERO

Program: UTIL

Meaning: The input field has been
specified as zero. The program is
being terminated.

Action: None

Reply: None

USER ROUTINE NOT PRESENT

Program: UTIL

Meaning: User-label checking has been specified on the UPSI card, but a user-label routine has not been supplied. The job is being terminated.

Action: None

Reply: None

UTILITY MODIFIER CARD

Program: UTIL

Meaning: The program has encountered a utility modifier card. Processing is continuing.

Action: None

Reply: None

APPENDIX A: STR PROCESSING ERROR INFORMATION

If more information on an STR processing error is required, the operator should display general register 11. This register contains the address of the last CCW which the system tried to execute. The operator should then display the first byte at the location shown in register 11. This byte contains the op code of the command. The following chart indicates what error occurred.

The next byte beyond the address in register 11 contains the address of the telephone number which the DIAL command attempted to use. The length or number of digits being used is located seven bytes beyond the address in register 11. Allow for the end-of-numbers character, where applicable.

IOCS provides an error counter to show how many times the STR error routines were executed. This error counter is found in the supervisor at the label SYSSTRCT.

<u>Message Code</u>	<u>Cause</u>	<u>Possible STR Command Op Codes</u>		<u>Meaning</u>		
		<u>Code</u>	<u>- Mnemonic</u>			
1nnnA	Equipment Check	x'01'	- WRITE	A non-4/8 code is detected within the adapter.		
2nnnA	Bus Out Check	x'29'	- DIAL	Parity error in dialing digits.		
		x'3B'	- INQ	I/O parity error.		
		x'1B'	- TEL	I/O parity error.		
		x'01'	- WRITE	I/O parity error.		
		x'37'	- EOT	I/O parity error.		
4nnnA	Intervention Required	x'02'	- READ	I/O parity error.		
		x'37'	- EOT	Data set not ready.		
		x'02'	- READ	Data set not ready.		
		x'07'	- STEP COUNT	Data set not ready.		
		x'33'	- TEST SYNC	Data set not ready.		
		x'29'	- DIAL	Data set not ready.		
		x'06'	- PREP	Data set not ready.		
		x'3B'	- INQ	Data set not ready.		
8nnnA	Command Reject	x'1B'	- TEL	Data set not ready.		
		x'01'	- WRITE	Data set not ready.		
		x'29'	- DIAL	Autocall feature is not present on interface selected.		
		All valid codes, except SET MODE, ENABLE, or DIAL...		Machine error.		
		n1nnA	Time Out	x'27'	- ENABLE	Interrupt Mode Set. Data set does not signal ready.
				x'29'	- DIAL	After dialing is completed, data set does not signal ringing. Indicates the call was not answered.
				x'01'	- WRITE	Synchronization lost and not regained within period of command time-out. No reply received after signaling end-of-transmission.
				x'02'	- READ	No data received while in data mode. No control signal received.
				x'06'	- PREP	Terminal not ready.
				x'3B'	- INQ	Terminal not ready.
x'1B'	- TEL			Byte count in command is depleted.		
x'37'	- EOT			Byte count in command is depleted.		

<u>Message Code</u>	<u>Cause</u>	<u>Possible STR Command Op Codes</u>		<u>Meaning</u>
		<u>Code</u>	<u>- Mnemonic</u>	
		x'33'	- TEST SYNC	Synchronization not established, or lost. Terminal not ready.
n2nnA	Receiving	x'02'	- READ	I/O area specified is too small. May indicate runaway terminal. End of record not sent, or not recognized.
n4nnA	Overrun	x'01'	- WRITE	Channel failed to provide data to adapter before command time-out.
		x'02'	- READ	Channel failed to accept a character before the next character arrived.
n8nnA	Data Check	x'02'	- READ	Non-4/8 code is received. LRC comparison is unequal.
		Other...		Machine error.
nn1nA	EOT	x'23'	- SET MODE	EOT received.
		x'27'	- ENABLE	EOT received.
		x'06'	- PREP	EOT received.
		x'3B'	- INQ	EOT received.
		x'1B'	- TEL	EOT received.
		x'01'	- WRITE	EOT received.
		x'07'	- STEP COUNT	EOT received.
		x'33'	- TEST SYNC	EOT received.
nn2nA	Record Count Check	x'02'	- READ	Record lost or duplicated.
nn4nA	Error Reply	x'3B'	- INQ	Incorrect reply received.
		x'01'	- WRITE	Nonrecoverable error.
nn8nA	Write Data Check	x'02'	- READ	Permanent terminal error.
		x'01'	- WRITE	Non-4/8 or STR control character is transferred to the adapter.
nnn1	Interface B			Interface B, or B ringing.
nnn2	Interface A			Interface A, or A ringing.
nnn8A	TEL	x'23'	- SET MODE	TEL received.
		x'27'	- ENABLE	TEL received.
		x'06'	- PREP	TEL received.
		x'3B'	- INQ	TEL received.
		x'01'	- WRITE	TEL received.
		x'37'	- EOT	TEL received.
		x'02'	- READ	TEL received.
		x'07'	- STEP COUNT	TEL received.
		x'33'	- TEST SYNC	TEL received.

APPENDIX B: BSC SUPPORT ERROR INFORMATION

PART 1 - I/O ERROR MESSAGES

BSC error routines may issue operator awareness messages or standard three-part PIOCS messages.

The operator awareness message is issued for I/O errors where the action to be taken is determined by the problem program. It requires no reply. The information has been posted to the problem program.

<u>Message Code</u>	<u>Cause</u>	<u>Possible commands on which the error may occur</u>	<u>Meaning</u>
<u>Code</u>	<u>Cause</u>	<u>Code - Mnemonic</u>	<u>Meaning</u>
4931	Bus Out Check	x'29' - DIAL x'01' - WRITE	Parity error in the dialing digits. I/O parity error.
4932	Time Out	x'02' - READ x'2F' - DISABLE x'29' - DIAL x'01' - WRITE Other...	No data received within the allotted time. The disable command does not complete within the allotted time after it has been accepted by the adapter. After dialing was completed, the call was not answered within the allotted time. Data set not clear to send. Machine error.
4933	Lost Data	x'29' - DIAL x'02' - READ Other...	The connection was already established prior to this DIAL command. Character(s) "lost" at the beginning or end of a transmission or an entire transmission "lost". A read-type command may not have been presented to the adapter soon enough after synchronism was established or a STOP signal may have been received before an END character. Machine error.
4934	Intervention Required	x'29' - DIAL x'02' - REQD x'01' - WRITE x'06' - PREPARE	Data set not ready. Data set not ready. Data set not ready. Data set not ready.

The standard three-part PIOCS message, with reply requested, may also be issued by BSC error routines.

If more information on the BSC error is required, the operator should display general register 11. This register contains the address of the last channel command (CCW) that the system tried to execute. The operator should then display the first byte at the location shown in register 11. This byte contains the command code of the CCW. The following chart shows what error occurred.

The address in register 11 may also be used to display:

- The data address - three bytes starting with the second byte at the location shown in register 11.
- The length or number of bytes being used - seventh and eighth bytes from the location in register 11.

Possible commands
on which the error
may occur

<u>Message Code</u>	<u>Cause</u>	<u>Code - Mnemonic</u>	<u>Meaning</u>
8nnnA	Command Reject	x'29' - DIAL	Autocall feature is not present on the interface selected.
		x'01' - WRITE	The adapter is not turned on.
		x'02' - READ	The adapter is not turned on.
1nnnA	Equipment Check	x'29' - DIAL	Autocall unit not functioning properly.
		Other...	Machine error.
n8nnA	Data Check	x'02' - READ	I/O parity error.
		Other...	Machine error.
n4nnA	Overrun	x'02' - READ	Channel not maintaining the speed of incoming data - characters "lost".
		Other...	Machine error.

PART 3 - ERRPT MACRO

The BSC macro instruction ERRPT displays to the IBM 1052 Printer-Keyboard, if available, five error statistics and a total transmission count for the BSC job. The six hexadecimal counts are preceded by the heading 'ERPT.'

<u>Message</u>	<u>Meaning</u>
ERPT	Heading
nnnn	Data check count
nnnn	Lost data count
nnnn	Intervention required count
nnnn	Time out count
nnnn	Unit check count
nnnn	Total transmission count (transmissions received).

If a 1052 is not available, the operator must interrupt and display the heading 'ERPT' followed by the six 4-byte hexadecimal counts as with the 3-part PIOCS message.



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