

Message and Codes Manual

Execution Time Messages – JOLE-nn

JOL

Universal Command Language

Version 5.2

Clarke Computer Software.

Jol Universal Command Language "*Messages and Codes*".

Fifth Edition (June, 1999)

This is a major revision of, and obsoletes, the
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**Clarke Computer Software,
45 Riversdale Road,
Hawthorn, Victoria,
Australia 3022.**

**Telephone (61)-401-054-155
Email clementclarke@ozemail.com.au**

Jol Message Manual - Preface

Preface

This publication is for persons who use the Jol Universal Command Language. The *Jol Message Manual* contains all the messages that may be produced when using Jol. These messages are in alphameric order.

The messages, where appropriate, consist of:

- an expanded explanation of the message text,
- the action the system has undertaken, and
- the response required of the Operator and/or Programmer.

Format of the Manual

The book is divided into separate sections, each commencing with a new Jol message code.

It is recommended that one copy of this manual be placed with the *Jol Reference Manual*, and copies be stored with, or in, each copy of the installation's Operating System Message Manuals for the convenience of Users and Operators.

Summary of Amendments

TSO Support.

- Options to allow the job to execute under TSO or Background, using the same Command Language.

ALLOCATE Command.

- **ALLOCATE** a data set in the Preprocessor or Macro Phase for Input or Output.

Addition of OPEN, READ and WRITE Instructions.

- **OPEN** a file for input or output.
- **READ** a record into a variable.
- **WRITE** a record from a variable.

Automatic Reset of Relative Generation Numbers

- Relative Generation Numbers are automatically reset for Reruns or Restarts.

Testing if a data set exists.

- **TEXTIST** Command allows the testing of the existence of a data set at execution time.

New Installation Procedures

- The basic machine-readable material has been revised, and there are new procedures to install the product. Separate procedures are used for installation in the OS environment (using SMP) and the non-SMP Installation.

Associated Documentation includes:

- **Jol Reference Manual**
- **Jol User Guide**
- **Jol Concepts and Facilities Manual**
- **Jol Answers to Questions**
- **Jol Conversion Utilities**
- **Jol System Programmer Guide**
- **Jol Release and SMP Guide**
- **Jol Program Logic Manual**

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Introduction

JOL Message Format

Jol messages are detailed as fully as possible to permit you, the user, to understand a condition or to take necessary action for successful completion of your work. Information for each message presents appropriately:

- ☐ Explanation: what the message means, why it appears, what caused it, what its variable entries are, and the severity of the condition.
- ☐ System action: what is happening as a result of the condition causing the message, whether the system is waiting for a response.
- ☐ Operator and/or Programmer response: if a response is necessary, who performs it, what the pertinent responses are and their effect on the system or program.

Format of Execution Messages

Messages commencing with **JOLE** are produced at execution time by the Jol monitor.

For example:-

JOLE98-05 LM IEFBR14 SSI 00000000 RETURNED 0 AT 4

indicates that the program **IEFBR14** was executed at statement 23 and that it returned a 0 return-code when it finished.

Format of Compiler Messages

Messages commencing with **UJ** are produced by the compiler at compile time; all messages contain a statement number referring to the statement.

For example:

23 UJC24-01 CANNOT FIND PROGRAM 'IEFBR14'

indicates that you were attempting to **RUN** the program **IEFBR14** at statement 23 in your Jol program, but that you had not previously **DECLARED** or **DEFINED** it earlier in your program.

Part of Jol's message number indicates the name of the Jol module that produced the message. In the first example above, the message number JOLE98 specifies that the message was produced by module UJE98, while the second example of UJC24 specifies that the message was produced by module UJC24.

All Compiler messages are placed on the listing showing your input Jol statements. If you are executing Jol interactively, the messages will also be displayed on your terminal.

Execution messages are printed on your job's system log but if an error occurred, the messages also appear on the Operator's Console.

Jol Command Language Execution Monitor (\$JOLSH)

Component Name	JOLE00-JOLE99 Jol Compiler Modules.
Program Producing Message	Jol Command Language Execution Monitor (\$JOLSH)
Message Format	<p>For Operator: JOLE<i>mm-nn-text</i> For Programmer: JOLE<i>mm-nn-text t</i></p> <p><i>where:</i></p> <p><i>mm</i> is the module number issuing the message.</p> <p><i>nn</i> is the message number.</p> <p><i>text</i> is the message text.</p> <p><i>severity</i> is indicated in the message descriptions.</p>
Associated Publications	Jol Reference Manual. Jol General Information Manual.
Problem Determination	If the problem recurs, do the problem determination action(s) to ensure that qualified personnel will have the essential programming information available to diagnose and correct the difficulty.

JOLE00-nn Control Module Messages

JOLE00-01 MAX *number* STEPS EXCEEDED

Monitors are being used together.

System Action: The job is aborted.

Terminal Error: Your Jol program was too large - it had too many program steps. Return codes from executing programs are stored in a table - the table is about to overflow.

Programmer Response: This error should never occur, but if it does, contact your System Programmer.

System Action: The job is aborted.

Programmer Response: Split your job into smaller sections and rerun or restart at an appropriate point.

JOLE00-04 CANNOT FIND STEP '*step name*'

Compiler Error: While attempting to go to another **JOB STEP**, Jol could not find a program step which it should have generated.

System Action: The job is aborted.

Programmer Response: This error should never occur, but if it does, contact your System Programmer.

JOLE00-02 ELSE IGNORED

Terminal Error: An **ELSE** was found which was not preceded by an IF statement.

System Action: The **ELSE** is ignored, and the next statement processed.

JOLE00-05 TOO MANY DO'S

Compiler Restriction: Your program has too many outstanding **DO's**. The level of nesting is too great for this implementation of JOL.

System Action: The job is aborted.

JOLE00-03 INVALID INSTRUCTION '*instruction*' IN SCHED.

Terminal Error: The instruction displayed is not implemented by the Jol monitor. This error may occur because non-compatible Jol Compilers and Execution

Programmer Response: This error should never occur because of validation done earlier in the compiler, but if it does, contact your System Programmer.

JOLE00-06 TOO MANY ENDS

Compiler Error: Your program had too many **ENDs**.

System Action: The job is aborted.

Programmer Response: This error should never occur because of validation done earlier in the compiler, but if it does, contact your System Programmer.

JOLE00-07 NO MACRO START

Compiler Error: Jol had just finished running a **MACRO** (such as **SORT** or **COPY**) and was about to save the highest return code from the programs executed in the Macro. However, the entry for the **MACRO** statement could not be found.

System Action: The job is aborted.

Programmer Response: This error should never occur, but if it does, contact your System Programmer.

JOLE00-08 TOO MANY LEVELS

Compiler Error: The maximum level of macro calls has been exceeded. Currently, a macro can call eleven other macros only.

System Action: The job is aborted.

Programmer Response: This error should never occur, but if it does, contact your System Programmer.

JOLE00-09 UNABLE TO READ/WRITE JOBQ

Severe Error: If running under MVS, the IBM JOBQ management routines failed to update the SWA.

If running under VS1, the Jol JOBQ management routines failed to update the Job Queue.

This is probably due to a hardware error.

System Action: The job is aborted.

Programmer Response: Rerun the job. If the error occurs again, contact your System Programmer.

JOLE04-nn Execution IF Statement Messages

JOLE04-01 SYMBOL '*symbol*' IN ERROR

Compiler Error: A number or an identifier was not found where expected in an IF statement.

System Action: The job is aborted.

Programmer Response: This error should never occur because of validation done earlier in the compiler, but if it does, contact your System Programmer.

Compiler Error: A number or identifier was not found where expected in an IF statement.

System Action: The job is aborted.

Programmer Response: This error should **never** occur because of validation done earlier in the compiler, but if it does, contact your System Programmer.

JOLE04-02 NO OPERATOR BUT '*symbol*' AFTER *number*

Compiler Error: After the number displayed in the IF statement there should have been an operator, but the symbol printed was found instead.

System Action: The job is aborted.

Programmer Response: This error should never occur because of validation done earlier in the compiler, but if it does, contact your System Programmer.

JOLE04-04 '*symbol*' IS NOT AN OPERATOR

Compiler Error: An operator was not found where expected in an IF statement.

System Action: The job is aborted.

Programmer Response: This error should **never** occur because of validation done earlier in the compiler, but if it does, contact your System Programmer.

JOLE04-03 EXPECTED NAME OR NUMBER, NOT '*symbol*'

JOLE04-05 IF TOO COMPLEX

Severe Error: The current IF statement is too complex, due to present compiler restrictions.

System Action: The job is aborted.

Programmer Response: This error should **never** occur because of validation done earlier in the compiler, but if it does, contact your System Programmer.

JOLE04-06 IF : INTERNAL ERROR

JOLE04-07 IF : INTERNAL ERROR

JOLE04-08 IF : INTERNAL ERROR

Compiler Error: When attempting to evaluate an **IF** statement, an error occurred.

System Action: The job is aborted.

Programmer Response: Contact your System Programmer.

JOLE04-09 TEST FOR 'ANY' INVALID

Error: On finding a name in the **IF** statement an error occurred.

System Action: The job is aborted.

Programmer Response: This error should **never** occur because of validation done earlier in the compiler, but if it does, contact your System Programmer.

JOLE05-nn Catalog Messages

**JOLE05-01 DSID 'dsid' NAME 'dsname'
CATALOGED ON VOL(S)
volumes**

Information Message: A CATALOG statement was successfully executed, and the data set was cataloged on the volume(s) displayed in the message.

**JOLE05-02 DSID 'dsid' DSNAME
'dsname' KEPT ON VOL(S)
BUT NOT CATALOGED
BECAUSE:**

Error: A **CATALOG** instruction failed. The reason for the failure is given in messages **JOLE05-03** to **JOLE05-11**, which are printed after this message.

**JOLE05-03 CATALOG VOLUME NOT
MOUNTED**

Error: The data set was kept, but the data set name was not entered into the system catalog because the catalog volume containing the **index** for the data set name was not mounted.

System Action: The data set is not cataloged.

Programmer Response: Use the appropriate utility for your Operating

System to catalog the data set, or use the Jol STEPCAT or JOBCAT instruction to ensure that the catalog volume is mounted when required.

**JOLE05-04 DATA SET NAME FOUND
AT LOWER LEVEL**

Error: The data set was kept on the volume it was written to, but it could not be cataloged.

Some catalogs use **index levels** to point to data set entries. This type of catalog cannot have an index pointer directly pointing to a data set and at the same time point to another index level. If you receive this message, the index used is such a catalog type.

For example:

If the name **TEST.DATA.ONE** was being cataloged, and the name **TEST.DATA** had been previously cataloged, the error would occur.

System Action: The data set is not cataloged.

Programmer Response: Change the data set name, or uncatalog the old data set(s) or indexes.

JOLE05-05 CATLG RETN'D 12

Error: The data set was kept, but not cataloged because the catalog routines returned a value of 12.

This is an invalid return code and should never be returned to Jol by the Operating System.

System Action: The data set is not cataloged.

Programmer Response: Contact your System Programmer.

JOLE05-06 NO INDEX LEVEL FOR DATA SET

Error: The data set was kept but not cataloged because no index had been built for the Generation Data Set.

For example:

If the data set **TEST.DATA(+1)** was being cataloged, there was no index **TEST.DATA** in the catalog.

Use the Jol **BLDGDG** command or the appropriate system for your operating system to build and catalog the data set.

NOTE: Jol automatically builds indexes for non-generation data sets.

JOLE05-07 CATALOG DATA SET IS FULL

Terminal Error: The data set was kept but not cataloged because the catalog was full.

System Action: The data set is not cataloged and the operator is notified.

Programmer Response: Contact your System Programmer and request a larger catalog data set. Then catalog the data set with the Jol **CATALOG** instruction, or the appropriate system utility for your operating system.

JOLE05-08 INVALID GENERATION NAME

Error: The data set was kept but not cataloged because an attempt was made to catalog a non-generation data set into an index that was built **specifically** for a generation data set.

For example:

If a generation data set group index had been set up for **TEST.DATA**, and the data set **TEST.DATA.ONE** was being cataloged, this error message would occur.

System Action: The data set is not cataloged.

Programmer Response: Change the Data Set Name and use the **BUILDGDG** command or the appropriate utility for your Operating System to delete and rebuild the offending index.

JOLE05-09 PERMANENT I/O ERROR ON CATALOG DATA SET

Error: The data set was not cataloged because a permanent I/O error occurred in the catalog data set.

System Action: The data set is Kept but not cataloged and the operator is notified.

Programmer Response: Contact your System Programmer.

JOLE05-10 KEEP FAILED FOR DATA SET

Error: The data set could not be cataloged because an error occurred while attempting to **KEEP** the data set.

System Action: The data set is kept.

Programmer Response: Displayed before the **CATLG** FAIL message (UJE05-02) is one of the **KEEP** failure messages (UJE07-01 to UJE07-04) explaining why the **KEEP** failed. Take the appropriate action.

JOLE05-11 NO VOLUMES WERE SUPPLIED

Error: The data set to be cataloged did not have any volumes associated with it. This

could occur if an output data set specified a scratch volume that was then not opened or written to.

System Action: The data set is not cataloged.

Programmer Response: Check the logic of your Jol program, and the logic of the program that executed.

JOLE05-12 DATA SET ALREADY CATALOGED

Error: The data set was kept, but could not be cataloged as it was already cataloged, probably on another volume.

System Action: The data set is not cataloged.

Programmer Response:

1. Rerun the job using the **CATALOG ALWAYS** instruction.
2. Use the system utility appropriate for your operating system or the Jol **UNCATLG** and **CATLG** instruction to correct the information in the Catalog.

JOLE06-nn Execution UNCATALOG Messages

JOLE06-01 DSID 'dsid' DSNAME 'data set name' UNCATALOGED

Warning Message: An **UNCATALOG** statement was successfully executed.

System Action: The name of the data set has been removed from the Catalog.

Programmer Response: The reason for this failure is given in messages **JOLE05-01** to **JOLE05-11**.

**JOLE06-03 DSID 'dsid' DSNAME 'gdg-group' GDGALL
UNCATALOGED**

**JOLE06-02 UNCATLG FOR DSID 'dsid'
NAME 'data set name'
FAILED BECAUSE:-**

Error: An uncatalog instruction failed.

System Action: The data set is not uncatlogged.

Information: The generation data group has been uncataloged (all generations).

System Action: The data sets were uncataloged.

Programmer Response: None required.

JOLE07-nn KEEP Messages

JOLE07-01 DSID 'dsid' DSNAME 'dsname' KEPT ON VOL(S) volumes

Information: A **KEEP** instruction was successfully executed.

System Action: The data sets were kept, as requested.

Programmer Response: None required.

JOLE07-02 DSID 'dsid' DSNAME 'dsname' PREVIOUSLY DELETED :- KEEP IGNORED.

Error: A request was made to **KEEP** a data set.

System Action: The data set is not kept because was found that the data set had been previously scratched.

Programmer Response: There is an error in the job's logic. Before rerunning the job, change the **KEEP** so that it is not executed if the data set is scratched.

JOLE07-03 INVALID UNIT FOUND IN KEEP

Terminal Error: When attempting to **KEEP** a data set for a **CATLG** statement it was

found that the data set was not yet created, but that volume and unit information had been supplied as part of the data set declare statement.

When converting the supplied Jol unit type to an IBM unit type, it was found that the unit was invalid, or that it was not generated on the Host OS system.

System Action: The data set is kept.

Programmer Response: Notify your System Programmer.

JOLE07-04 DSID 'dsid' DSNAME 'dsname' NOT YET CREATED :- KEEP IGNORED.

Error: When attempting to **KEEP** a data set, it was found that the data set had not yet been created by a program earlier in the job.

System Action: The data set is not kept.

Programmer Response: There is an error in the job's logic. Check if a program or step which would have created the new data set was bypassed.

JOLE07-05 DSID 'dsid' DSNAME 'dsname' NOT KEPT: UNOPENED SCRATCH VOLUME.

Error: When attempting to **KEEP** a data set, Jol found that you had specified a **SCRATCH** Volume, and that your program had not opened it for output.

System Action: The **KEEP** and **CATALOG** statement is ignored.

JOLE08-nn SCRATCH Messages

**JOLE08-01 DSID 'dsid' DSNAME
'dsname' SCRATCHED
FROM volume(s).**

Information Message: A **SCRATCH** instruction was successfully executed.

System Action: The data set was **SCRATCHED** from the volume(s) indicated.

**JOLE08-02 SCRATCH REQUIRES UNIT
'unit' UNKNOWN TO JOL**

Terminal Error: When attempting to **SCRATCH** a data set which had specific volume and unit information coded on the data set declare, and the data set had not been read in an earlier job step, Jol failed to convert the Jol unit type to an IBM unit type

System Action: the data set is not scratched.

Programmer Response: Notify your System Programmer.

**JOLE07-06 DSID 'dsid' DSNAME
'dsname' NOT KEPT:-
DUMMY DATA SET**

Error: An instruction was made to keep a dummy data set.

System Action: The **KEEP** instruction is ignored.

**JOLE08-03 DSID 'dsid' DSNAME
'dsname' NOT YET
CREATED:- SCRATCH
IGNORED**

Error: A **SCRATCH** instruction was executed for a data set that has not yet been created by a program earlier in the job.

The data set declare in the Jol program did not specify a volume, (i.e. an internally created data set on a scratch volume) and the system could not find the volume so that it could **SCRATCH** the data set, due to bypassing the producing program by **IF** statements.

System Action: The dataset is not scratched.

Programmer Response: Check the logic of your program before re-submission.

**JOLE08-04 DSID 'dsid' DSNAME
'dsname' NOT FOUND IN
VOLUME: SCRATCH
IGNORED**

Error: When attempting to scratch a data set from a volume supplied either by the data set declare, or from the system catalog, it was found that the data set did not exist in the named volume.

System Action: The data set is not scratched.

Programmer Response: Check that the data set is on the volume, and if so use a utility program to delete it.

**JOLE08-05 DSID 'dsid' DSNAME
'dsname' NOT SCRATCHED,
CONTAINS RETENTION
PERIOD**

Error: The data set retention period had not been passed.

System Action: The dataset is not scratched.

Programmer Response: Use the **ALWAYS** option of the **SCRATCH** or **DELETE** instruction, or the IDCAMS or IEHPROGM utility.

**JOLE08-06 DSID 'dsid' DSNAME
'dsname' NOT SCRATCHED
I/O ERROR ON VTOC**

Terminal Error: When attempting to scratch the named data set, a permanent

I/O error occurred on the Volume Table of Contents (VTOC).

System Action: The operator is notified.

Programmer Response: Contact your System Programmer who will advise the correct action to be taken.

**JOLE08-07 SCRATCH RETN'D INVALID
CODE: SEE REG 2**

Severe Error: The **SCRATCH** SVC returned an invalid value.

This is a critical error.

System Action: The dataset is not scratched

Programmer Response: Contact your System Programmer.

**JOLE08-08 INTERNAL ERROR: NO '.' IN
TEMP DSN**

Severe Error: A **SCRATCH** or **DELETE** statement was executed for a Temporary Data Set.

Jol was attempting to find the data set name the Operating System assigned to the Temporary Data Set and failed. This is a serious error.

System Action: Jol will not scratch this dataset.

Note: The data set will be scratched by the Operating System before or when your job terminates.

Programmer Response: Notify your System Programmer.

**JOLE08-09 DSID 'dsid' DSNAME
'dsname' ALREADY
SCRATCHED.**

Error: When attempting to **SCRATCH** or **DELETE** a data set, it was found that the data set had already been scratched.

System Action: The instruction is ignored and processing continues.

**JOLE08-10 DSID 'dsid' DSNAME
'dsname' IS A VSAM DATA
SPACE OR INCORRECT
PASSWORD SUPPLIED.**

Severe Error: The Operating System being used will not allow Jol to scratch VSAM data sets, or data sets which require a PASSWORD (protected data sets).

System Action: The dataset is not scratched.

Programmer Response: Use the IDCAMS utility for VSAM data sets, or the appropriate utility for your operating system to scratch the data set.

**JOLE08-11 DSID 'dsid' DSNAME
'dsname' IS BEING USED BY SOMEONE
ELSE:- TRY AGAIN LATER**

Terminal Error: The data set specified is currently being used by another user or job.

System Action: The dataset is not scratched.

Programmer Response: **DELETE** or **SCRATCH** the data set at a later time.

**JOLE08-13 DSID 'dsid' DSNAME
'dsname' ON VOLS
'volume(s)' NOT
SCRATCHED CATALOG
INVALID DEVICE UNIT = unit**

Error: The device returned from the Catalog was invalid.

System Action: The dataset is not scratched.

Programmer Response: Contact your System Programmer.

**JOLE08-14 DSID 'dsid' DSNAME
'dsname' ON VOLS
'volume(s)' NOT
SCRATCHED: VOLUME
NOT MOUNTED UNIT= unit**

Error: The Volume required was not mounted.

System Action: The dataset is not scratched.

Programmer Response: Mount the volume and scratch the data set.

JOLE10-nn TYPE Messages

JOLE10-01 *'message'*

A **TYPE** instruction was executed and the message typed in the operator's console and the system log.

JOLE11-nn DISPLAY Messages

JOLE11-01 *'message'*

Information Message: A **DISPLAY** instruction was executed and the message displayed on the system log.

JOLE12-nn SIGNAL Messages

JOLE12-01 MINOR ERROR '*error message*' SIGNALLED

Warning Message: A **SIGNAL ERROR 1**, '*error message*' instruction was executed. The message appears on the system log only.

System Action: The job continues.

JOLE12-02 SEVERE ERROR '*error message*' SIGNALLED

Error: A **SIGNAL ERROR 2**, '*error message*' instruction was executed. The message is typed on the operator's console and printed on the system log.

System Action: The job continues.

JOLE12-03 MAJOR ERROR '*error message*' SIGNALLED REPLY GO OR STOP

Terminal Error: A **SIGNAL ERROR 3**, '*error message*' instruction was executed.

System Action: The message is typed on the operator's console and printed on the system log.

The operator replies **GO** or **STOP** and the job continues or is terminated.

JOLE12-05 JOB CONTINUING

JOLE12-06 JOB TERMINATING

Information Message: The above messages are typed after the operator replies to message JOLE12-04 which is issued when a **SIGNAL ERROR** instruction is executed.

JOLE12-07 TERMINAL ERROR '*error message*' SIGNALLED

Terminal Error: A **SIGNAL ERROR 4**, '*error message*' was executed. The message is typed on the operator's console and printed on the system log.

System Action: The job is terminated.

JOLE13-nn STOP Messages

JOLE13-01 STOP 'error message' EXECUTED

Terminal Error: A **STOP** instruction was executed.

System Action: The message is typed on the operator's console and the job enters termination processing.

JOLE20-nn RUN Messages

JOLE20-01 PROGRAM 'name' ABSENT

Terminal Error: A **RUN** instruction was executed for the named program, but it was not present in the program library.

System Action: The job is terminated.

Programmer Response: Correct the error and rerun.

Programmer Response: Rerun the job. If the error recurs notify the system programmer.

JOLE20-02 PERM I/O ERR FINDING 'name'

Terminal Error: When attempting to find the program requested, a permanent I/O error occurred when reading the library's directory.

System Action: The job is terminated.

JOLE20-03 CANNOT FIND STEP FOR stepname

Compiler Error: In order to run a program, Jol determined that it must step on to a new OS job step, but the required job step was not created by the Jol Compiler.

This is serious error.

System Action: The job is terminated.

Programmer Response: Notify your System Programmer.

**JOLE23-01 RETURN 'return' WAS
EXECUTED**

Information Message: A **RETURN**
instruction was executed.

System Action: The job terminates.

JOLE50-nn READ Messages

JOLE50-01 MEMBER \$\$INST ABSENT

Compiler Error: The member of the \$\$JOLIN file which contains the instructions to the scheduler could not be found.

This is a critical error.

System Action: The job terminates.

Programmer Response: Notify your System Programmer.

JOLE50-02 I/O ERROR READING DIRECTORY

Terminal Error: An I/O error occurred when attempting to find the member of the \$\$JOLIN file which contains instructions for the Jol scheduler.

System Action: The job is terminated.

Programmer Response: Re-submit the job, but if the error is consistent, consult your System Programmer.

JOLE50-03 ERROR IN INSTRUCTION

Severe Error: After successfully obtaining the next instruction in the job, it was found that a critical error occurred when attempting to convert the instruction into **TOKENS**.

This is a critical error.

System Action: The job is terminated.

Notify your System Programmer.

JOLE98-nn INITIALIZATION Messages

JOLE98-01 NO DDCARD FOR \$\$INST

JOLE98-02 NO DDCARD FOR \$\$JOBQ

Severe Error: The JCL generated is incorrect because the named DD cards were not produced.

These are critical Jol errors.

System Action: The job is terminated.

Programmer Response: Contact your System Programmer.

Programmer Response: Notify your System Programmer.

JOLE98-05 STEP 'stepname' LM name SSI ssi RETURNED number

Information: After a user program was executed, this message is printed on the system log to indicate the value returned in register 15, the System Status Information and the name of the program just executed.

JOLE98-03 No message

Compiler Error: This message is typed when the STOW routine failed during the once off initialization of the Jol scheduler.

System Action: The job is terminated.

Programmer Response: Notify your System Programmer.

JOLE98-06 STEP 'stepname' LM name SSI ssi USER ABEND number

JOLE98-07 STEP 'stepname' LM name SSI ssi SYSTEM ABEND number

Severe Error: After a user program abended, this message is printed on the system log and typed on the operator's console to indicate the Abend code with which the program terminated, the System Status Information and the name of the program just executed is also printed.

System Action: The job is terminated.

Programmer Response: If an abend occurred, the **IF ERROR** may be used and the job may continue. If the **STOP WHEN**

JOLE98-04 I/O ERROR READING DIRECTORY

Severe Error: A permanent I/O error occurred when reading the directory of the instruction file.

System Action: The job is terminated.

was activated, the job is terminated immediately.

**JOLE98-08 JOB *jobname* TERMINATED
DUE TO CONDITION
CODES**

Terminal Error: After an Abend, or if the user program returns a value specified in the **STOP WHEN**, this message is typed on the operator's console and the system log.

System Action: The job is terminated.

Programmer Response: If an abend occurred, the **IF ERROR** may be used and the job may continue. If the **STOP WHEN** was activated, the job is terminated immediately.

**JOLE98-09 JOL MONITOR VERSION IS
*version***

Information Message: This message is printed once per Jol job, and is for information only.

