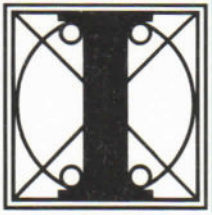
LSX Computer Line (Up to Model 3040)

Operating Systems

X/OS UNIX® System V-based Operating System

Message Book

X/OS



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PREFACE

This manual contains a list of the messages returned by the LSX X/OS operating system. The messages are contained in three chapters, each relating to a particular part of the LSX X/OS message system.

SUMMARY

The manual begins with a brief Introduction. This describes the conventions used in the message definitions. The main body of the manual comprises Chapter 2, which lists the messages returned by the auto-diagnostic system of the 3005 and 3010 systems. Chapter 3 lists the auto-diagnostic messages for the 3020, 3030 and 3040 systems. Chapter 4 lists the kernel, file system and device driver messages, and where available to the system, those messages returned by the file processor.

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CONTENTS

INTRODUCTION

This manual describes the messages making up the LSX X/OS auto-diagnostic, notice display and error handling systems. The messages have been grouped according to the different environments available. These are as follows:

- the auto-diagnostic system, covering the routines carried out during system start-up. Because of differences between the various systems, the auto-diagnostic system is contained in two separate chapters.

- the kernel system, covering all kernel and file handling system operations, and the device driver systems, covering the routines for handling peripheral devices and communications lines.

Note that the messages described in this manual relate only to the LSX X/OS operating system: the messages returned by the software comprising the various software kits are described elsewhere, in the manuals that accompany the software. Note that because all these message lists use the same layout format, pages from other manuals may be transferred to this manual. This allows the creation of a comprehensive list of the whole LSX X/OS message system in one binder.

An explanation of how to use the message lists is given in the introductory section at the beginning of each chapter. These fully describe the conventions used.

LSX 3005/10 AUTO-DIAGNOSTIC MESSAGES

INTRODUCTION

This chapter describes the messages encountered during the auto-diagnostic phase of system start-up for the 3005 and 3010 level systems. Those messages encountered when starting up the 3020, 3030 and 3040 systems are described in Chapter 3. The messages described here are output by the various tests performed on the system components.

AUTO-DIAGNOSTIC SYSTEM ORGANISATION

The resident auto-diagnostic system carries out a series of tests. The sequence of these is signalled by the following digits, which appear on the system console:

Character	Test
1	CPU test
1d	signals that a total memory dump can be produced
2	RAM test
4	Slot scan (device table set)
5	IPL phase
.	Bootstrap activation

After the appearence of the **1**, a letter **d** will appear. During this stage, a total memory dump can be produced by switching the console key to the appropriate position.

AUTO-DIAGNOSTIC MESSAGES

Any errors occuring during the above phases will be signalled by a code appearing either on the console, or on the console and video screen. Two types of error code exist. The first type, called the *non-blinking messages*, take the form of a single digit. The second type, called the *cycling messages* are encountered during exchanges between the CPU and the IPL controllers. These are described below, in the section entitled *IPL Routine*

Messages.

In the following list, each entry consists of three parts. The first line is the code digit that appears. The second line gives the meaning of the code. The third consists of the action that is recommended to deal with the fault that has arisen.

1

fault on the CPU board.

replace the CPU board.

2

fault on RAM storage boards.

check addressing: if correct, replace memory modules.

3

unexpected level 5 interrupt.

-

4

ROM debugger activation.

if the system does not start up when the ROM DEBUGGER GO is entered, remove the ROM debugger.

5

delay of outcome of first IPL attempt.

appears during the IPL attempt, bootstrap is activated. For subsequent errors, see the section entitled *IPL Routine Messages*, below.

7

unexpected level 7 interrupt.

-

B

unexpected level 6, 4, 3, 2 or 1 interrupt.

-

In the event of an unexpected interrupt of the levels listed above being detected after the second activation of the ROM debugger, no error code will be displayed, and the ROM debugger will automatically deal with the problem.

IPL ROUTINE MESSAGES

The messages occuring during the CPU-IPL exchanges constitute the second type of message. These *cycling messages* consist of a four-character code. The characters are displayed on the console in sequence, at one second intervals. The synchronisation symbol indicates the start of the message cycle. The following layout is used:

Character 1 — the synchronisation symbol for error code interpretation

Character 2 — the error code

Character 3 — the slot name of the controller error, ranging from 0 to E

Character 4 — the unit name of the error, ranging from 0 to 7

The actual sequences that may be encountered are as follows. The ` character is used to indicate an invalid character position.

.1x`

controller fault. In this sequence, *x* will take a slot name that identifies the faulty board

the identified controller board should be replaced. Possible controllers are floppy/mini-floppy, hard disk unit and streaming tape

---

.2*xy*

peripheral unit fault. In this sequence, *x* will display the slot name, in order to identify the faulty peripheral, while *y* will display the unit name

peripheral faults should be checked in the appropriate unit manual

---

.3``

unexpected or incorrect interrupt detected

-

.4*xy*

fault detected during a storage medium read operation. In this sequence, *x* will display the slot name, in order to identify the faulty peripheral, while *y* will display the driver name

peripheral faults should be checked in the appropriate unit manual

---

.8*xy*

storage medium not inserted, or without operating system. In this sequence, *x* will display the slot name, in order to identify the peripheral involved, while *y* will display the driver name

The following sequence of operations should be performed:

1. if there is an ISL switch, ensure that it is in the correct position

2. when loading operating system from a removable medium, check that it is a system disk. If it is not, replace with the correct disk. If it is a system disk, the disk is faulty, and should be replaced. If the error signal is then repeated, reference should be made to the appropriate peripheral unit documentation

3. when loading operating system from a fixed medium, reference should be made to the appropriate peripheral unit documentation

---

The above error code sequences will be repeated on the video screen, in the following pattern:

xyz rel.

where *xyz* are the error code, slot name and unit name respectively, as above, and *rel.* is the release number of the current ROM loader.

LSX 3020/30/40 AUTO-DIAGNOSTIC MESSAGES

INTRODUCTION

This chapter describes the messages encountered during the auto-diagnostic phase of system start-up for the 3020, 3030 and 3040 level systems. Those messages encountered when starting up the 3005 and 3010 systems are described in Chapter 2. The messages described here are output by the various tests performed on the system components.

Because most of the messages encountered occur only during highly specific phases of the auto-diagnostic routine, this section groups them accordingly. Some messages, which are common to more than one phase are repeated, for reasons of clarity.

Some of the messages displayed as part of the auto-diagnostic routines take the form of codes which appear on the console LED. This display takes the form of six character positions, which may show an empty space, a dot or a character. The pattern shown on the LED varies according to the auto-diagnostic phase in progress.

ACTIVITY STATUS DISPLAY

This set of messages indicates which stage of the auto-diagnostic routine is currently in progress. The pattern of characters and spaces shown by the LED is as follows:

Position 1 always a dot

Position 2 always a space

Position 3 always a space

Position 4 indicates the auto-diagnostic stage in progress

Position 5 always a space (except when a bus error has been detected)

Position 6 indicates the test in progress

Note that the only exceptions to this layout are encountered with the activation of the ROM debugger and the FORTH interpreter. The following list shows the codes that may be encountered, and describes their meaning. The ` character indicates an empty space.

.``1`1

console test (this is the start of the CPU tests)

-

.``2`1

CPU RAM test

-

.``3`1

calculation of the ROM CRC

-

.``4`1

timer test

-

.``6`1

central system integrity test

-

.``7`1

level 7 interrupt test

-

.``8`1

level 4 ACIA test

-

.``9`1

IPC test

-

.``A`1

levels 3, 2 and 1 interrupt test

-

.``B`1

CPU cache test

-

.``C`1

MMU test

-

.``D`1

mathematics co-processor test

-

.````D

total memory dump

-

.``1`2

calculation of the RAM space available (this is the start of the RAM tests)

-

.``2`2

filling of the RAM with the pattern *00*

-

.``3`2

RAM test (first 128 Kbytes)

-

.``4`2

RAM test (remaining space)

-

.``1`4

compiling of the device table

-

DEB1``

first activation of the ROM debugger

-

FORTH`

FORTH environment active

-

.````5

IPL attempt in progress

-

.``1`5

TCB/TCM test (this is the start of the large-scale tests)

-

.``2`5

system cache test

-

.``3`5

bus (I/O) test

-

DEB2``

second activation of the ROM debugger

-

.`````

bootstrapper activation

-

DIAGNOSTIC SIGNALS

Non-forseen events occuring during any of the above routines will cause a diagnostic signal to be displayed, and the execution of the auto-diagnostics to be interrupted. The LED displays these signals using the following pattern:

Position 1 always a dot

Position 2 always a space

Position 3 always a space

Position 4 always a space

Position 5 always a space

Position 6 indicates the type of interrupt encountered

The codes that may be encountered in this eventuality are as follows:

.````1

non-forseen level 1-24 interrupt (offset 04-60 Hex)

-

.````3

non-forseen level 5 interrupt

-

.````7

non-forseen level 7 interrupt

-

.````B

non-forseen level 6, 4, 3, 2, 1 interrupt

-

TCB/TCM TEST MESSAGES

In the event of an anomaly occuring during the TCB, the anomaly code number will be reported in the device table. The anomaly codes have the following meanings:

01

missing interrupt for double error

-

02

missing correction for single error

-

03

missing signal for accumulation of 15 errors

-

04

inconsistent TCB state

-

05

generation of an unexpected interrupt

-

The following codes are used to report anomalies to the device table during the TCM test phase:

01

missing interrupt for double error

-

01

missing correction for single error

-

01

inconsistent TCB state

-

01

generation of an unexpected interrupt

-

IPL ROUTINE MESSAGES

While the IPL attempt is in progress, the LED uses the following pattern:

Position 1 always a dot

Position 2 always a space

Position 3 always a space

Position 4 indicates the anomaly type (see below)

Position 5 indicates the slot involved

Position 6 indicates the last device analysed

In the following list, the character *x* indicates that the value of the fifth and sixth positions depends on the circumstances prevailing at the time.

.``1*xx*

controller failure

-

.``2*xx*

device failure

-

.``3*xx*

unexpected or incorrect interrupt

-

.``4*xx*

disk medium failure

-

.``8*xx*

disk medium not present

-

X/OS KERNEL AND DEVICE DRIVER MESSAGES

INTRODUCTION

The following is a list of the messages returned by the kernel and file system, and by the various device drivers. They are listed alphabetically. Note that in some cases, the words **SYSTEM MESSAGE** may appear on the line preceding the message itself. If this is present, the sense of the message is in no way altered. These words are not included in the following list.

The messages are listed in alphabetical order within their respective sections, and take the following format:

Bad GOC interrupt

OLICOM DEVICE DRIVER.
An incorrect interrupt vector was received from a controller.

Call hardware assistance.

These entries have the following meanings:

Entry 1 — the first entry gives the message in the form that it will be encountered on the screen.

Entry 2 — the second entry, in this case, identifies the source of the message. Where this line is absent, the message has been returned by the kernel and file system.

Entry 3 — this entry explains what the message means.

Entry 4 — the last entry describes the action that should be taken if this message is encountered. This may involve taking some specified action, or consulting the software support personnel.

Note that not all of these entries need appear.

Where a message component appears enclosed in angle brackets, this indicates that the message contains a variable element. In this case, X/OS will display the appropriate true value. This occasionally makes the ordering of the list ambiguous, especially where the variable occurs at the beginning of the message. Where the message that appears on the screen cannot be found in its expected position in the list, the following variable components may be responsible:

dname variable string indicating a device driver name (e.g. hdc, esdi, ...)

unit variable string, starting from 0, indicating a device driver.

code a variable numeric value indicating the internal operation code.

ret a variable hexadecimal value used to report the status of the controller after the execution of a command.

addr a hexadecimal RAM address.

p a number from 0 to 7 used to specify a partition on a disk device.

c a logical partition name.

b specifies the logical block number (in the File System) on which the error occurred.

l the data transfer length.

contr. specifies the board (or controller) number.

line specifies the line number.

The other variable names encountered are self-expanatory. Messages are ordered according to these variable names.

THE MESSAGES

The following is a complete list of the messages generated by the LSX X/OS kernel, file system and device drivers.

Accounting resumed

Self explanatory.

-

Accounting suspended

Self explanatory.

Check major number of additional swap device.

ATTENTION : trying to read from swnull device!

SWAP NULL DEVICE DRIVER.
This can be a software error caused by an invalid read operation on a special block device created with major number = 4. Note that this special device should not exist.

Check the software or report to software support.

---

bad block <dev> ino <dev>

An out of range block number was specified. Probable software bug.

Report to software support.

Bad GMUX interrupt\n");

MUX DEVICE DRIVER.
The system has detected an illegal interrupt type from the MUX controller.

Call hardware assistance.

Bad GMUX interrupt type on unit <unit>\n", unit);

MUX DEVICE DRIVER.
This should never happen. The system has received an incorrect interrupt qualifier (not SYSTEM V or BSD 4.2), as used to select the correct software driver.

Report to software support.

Bad GOC interrupt

OLICOM MESSAGE.
An incorrect interrupt vector was received from a controller.

Call Hardware assistance.

---

bad hd controller.

HDC DEVICE DRIVER.
The hardware state of the HD controller will not permit the acceptance of commands.

Call hardware assistance.

---

bad hdc controller

HDC DEVICE DRIVER.
A hardware problem has been found during the execution of the self checking program.

Call hardware assistance.

Bad MTU controller

MTU DEVICE DRIVER.
The hardware status of the MTU controller is incorrect.

Call hardware assistance.

Bad MUX5 controller

MUX DEVICE DRIVER.
A hardware problem has been found in a MUX controller board.

Try to reboot the system in order to execute the hardware self checking program, or call hardware assistance.

CLCLOSE5 : channel_close(unit : <unit>) -> %d\n",

CPU CONSOLE DEVICE DRIVER.
A CSL device driver close function has not terminated correctly.

This is a hardware problem on the CSL controller. Call hardware assistance.

CLCTL5: set_channel(unit : <unit>) -> %d\n", unit, ret);

CPU CONSOLE DEVICE DRIVER.
The CSL controller will not permit a new initialization of the specific line at run time execution.

This should never happen, but can be a hardware problem. Call hardware assistance.

---

clone : invalid minor

CLONE DEVICE DRIVER.
The minor number received by the clone driver is not associated with a real device driver.

Try to verify the definition (type, major and minor) of the special file used to clone the real device, and if correct, report the error to software support.

CLPARAM5 : channel_init(unit : <unit>) -> %d\n",

CPU CONSOLE DEVICE DRIVER.
The CSL controller will not permit a new initialization of the global parameters line at run time execution.

This should never happen, but can be a hardware proble. Call hardware assistance.

CLPARAM5 : line_conf(unit : <unit>) -> %d\n",

CPU CONSOLE DEVICE DRIVER.
The hardware state of the CSL controller will not allow the initialization of a special line. This is a hardware problem.

Call hardware assistance.

CLPROC5 : channel_info (unit : <unit>) -> %d\n",

CPU CONSOLE DEVICE DRIVER.
The CSL controller has not responded correctly to the internal status request.

Call hardware assistance to verify the CPU board.

CLPROC5 : write_string (unit : <unit>) -> %d\n", unit, ret);

CPU CONSOLE DEVICE DRIVER.
The CSL controller is unable for write characters for one specific line.

This is a hardware problem. Call hardware assistance.

Confversion: <str>

Specifies the configuration file version used.

-

CSL5 FE error(unit : <unit>)\n",

CPU CONSOLE DEVICE DRIVER.
The CSL controller detected a Framing Error on a specific line.

This is a hardware problem. Call hardware assistance.

CSL5 : stray interrupt (unit : <unit>)\n", unit);

CPU CONSOLE DEVICE DRIVER.
The operating system has detected an illegal interrupt code from the CSL controller. This is a hardware problem, and should never happen.

Call hardware assistance.

---

dircheckpath: not a directory

A component of a pathname is not a directory. Kernel bug.

Report to software support.

<dname> : bad controller

FILE PROCESSOR.
This should never happen. Can be related to a hardware fault in the board.

Call hardware assistance to check the controller status.

<dname> : controller not present

FILE PROCESSOR.
Self explanatory.

-

<dname> dev <contr.>,<unit> ioctl invalid command <code>

FILE PROCESSOR.
Self explanatory.

Check your software or call software assistance.

<dname> : hardware error

FILE PROCESSOR.
Unrecognized file processor reply

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname> : ioctl error: op 0x<code> Unit <contr.>/<unit>

FILE PROCESSOR.
Self explanatory.

Check your software or call software assistance.

<dname> : ioctl memory fault op 0x<code> Unit <contr.>/<unit>

FILE PROCESSOR.
Self explanatory.

Check your software or call software assistance.

<dname> partition <p> - wrong access

FILE PROCESSOR.
The <p> partition is not configured on the disk

Check your software or call software assistance.

<dname> : warning, illegal STC use

FILE PROCESSOR.
An attempt has been made to open the streaming tape without giving the default minor number.

Check your software or call software assistance.

<dname> : <num> unit connected

Only system information about the number of the peripheral connected.

-

<dname><unit> : command abort error

FILE PROCESSOR.
Hardware error during a read/write operation.

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname><unit> : controller error

FILE PROCESSOR.
Dangerous hardware error on SCSI bus

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname><unit> : copy aborted error

FILE PROCESSOR.
Hardware error during a read/write operation.

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname><unit> : data protect error

FILE PROCESSOR.
A write operation was performed on a write-protected medium.

Check the medium.

<dname><unit> : end of data error

FILE PROCESSOR.
End-of-data encountered during a read operation performed on a streaming tape

-

<dname> : <unit> - error in writing env. table

DISK DEVICE DRIVER.
A hardware error arose while writing the environment table.

Call hardware assistance to format the disk.

<dname> : <unit> - error reading pointer table.

DISK DEVICE DRIVER.
A hardware error arose while reading the pointer table.

Call hardware assistance to format the disk.

<dname> : <unit> - error reading std. 24.

DISK DEVICE DRIVER.
A hardware error arose while reading the STD 24 map. This can only happen at installation time.

Call hardware assistance to format the disk.

<dname> : <unit> - error writing partition map.

DISK DEVICE DRIVER.
A hardware error arose while writing the partition map. This should only happen at installation time.

Call hardware assistance to format the disk.

<dname> : <unit> - error writing pointer table.

DISK DEVICE DRIVER.
A hardware error arose while writing the pointer table.

Call hardware assistance to format the disk.

<dname><unit> : hardware error

FILE PROCESSOR.
Hardware error during a read/write operation.

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname> : <unit> - I/O error reading env. table.

DISK DEVICE DRIVER.
A hardware error arose while reading the disk environment table.

Call hardware assistance to format the disk.

<dname> : <unit> I/O error reading partition map.

DISK DEVICE DRIVER.
A hardware error arose while reading the disk partition map. This should only happen at installation time.

Call hardware assistance to format the disk.

<dname><unit> : illegal command error

FILE PROCESSOR.
Hardware error during a read/write operation.

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname> : <unit> - invalid partition map. Ignore

DISK DEVICE DRIVER.
Writing a new partition map the magic number is wrong. Should never happen using standard tools.

Report to software support.

<dname><unit> : miscompare error

FILE PROCESSOR.
Hardware error during a read/write operation.

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname> : <unit> - No SSID in env. table. Ignore

DISK DEVICE DRIVER.
The magic ID of the environment table is wrong. This should never happen using standard tools.

Report to software support.

<dname><unit> : not ready error

FILE PROCESSOR.
Peripheral not ready.

If the peripheral is an hard disk, call hardware assistance. If the peripheral is a floppy disk or a streaming tape, verify the presence of the media in the drive.

<dname><unit> : unable to write volume label\n",

FILE PROCESSOR.
This can be happen only during a streaming tape write operation.

Check your software or call hardware assistance.

<dname><unit> : unknown error

FILE PROCESSOR.
Unrecognized file processor reply

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname><unit> : unrecoverable medium error

FILE PROCESSOR.
Surface error during a read/write operation.

Stop all activities, reboot the system and call hardware assistance to check the controller status.

<dname> : <unit> - wrong env. table.

DISK DEVICE DRIVER.
The block read has an incorrect magic ID.

Call hardware assistance to format the disk.

<dname> : <unit> - wrong partition map.

DISK DEVICE DRIVER.
The block read has a wrong magic number. Probably the partition map for this unit has not been defined. NOTE - a default partition will be used.

Try to verify or define the partition map.

<dname> : <unit> - wrong std. 24.

DISK DEVICE DRIVER.
The STD 24 map contains incorrect data. This can only happen at installation time.

Call hardware assistance to format the disk.

---

ec error: unespected interrupt %d\n", nvect);

ETHERNET DEVICE DRIVER.
The system has detected an illegal interrupt number from the Ethernet controller.

This is a hardware problem. Call hardware assistance.

---

ec<unit>: bad frame ! status is = 0x%x \n",unit,rc);

ETHERNET DEVICE DRIVER.
The Ethernet controller has recieved a bad frame. The specific replay code is returned.

This is a hardware problem. Call hardware assistance.

---

ec<unit>: can't handle af%d\n", ifp->if_unit,

ETHERNET DEVICE DRIVER.
The EC driver has received a bad socket family from the system.

Call software support.

---

ec<unit>: command n. <type> not execute error n: <ret>

ETHERNET DEVICE DRIVER.
A generic command <type> (like TX, IA_SETUP, ...) sent to the Ethernet controller was not executed because of error <ret>. This is usually a hardware problem.

Call hardware assistance.

ec<unit> controller is in standard IEE 802.3 configure \n",unit);

ETHERNET DEVICE DRIVER.
This is a standard message, displayed after a normal initialization of the Ethernet controller board and the device driver software.

-

---

ec<unit> : error %d in transmit.\n",unit,rc);

ETHERNET DEVICE DRIVER.
The error <ret> has been detected during a frame transmission.

Call hardware assistance.

---

ec<unit>: is not ready (hardware error: 0x%x)\n",unit,rc);

ETHERNET DEVICE DRIVER.
The state of the Ethernet controller hardware will not allow the execution of the initialization functions.

Verify the upgrading level of the board. Try to reboot the system in order to execute the hardware self checking program, or call hardware assistance.

---

ec<unit>: is not ready for setup \n",unit Error in setup n. %d \n",rc);

ETHERNET DEVICE DRIVER.
The state of the Ethernet controller present in the system will not permit the setting up of the Ethernet address.

Call hardware assistance.

---

ec<unit> reset by system

ETHERNET DEVICE DRIVER.
The operating system has reset the Ethernet controller in order to use a new run level, as provided by the 80586 processor. This can occur when a driver software error is detected at protocol (TCP/IP) level.

Call hardware assistance.

---

ec<unit> reset by system

ETHERNET DEVICE DRIVER.
The operating system has reset the Ethernet controller in order to use a new run level, as provided by the 80586 processor. This can occur when a driver software error is detected at protocol (TCP/IP) level.

Call hardware assistance.

---

ec<unit>: send error\n", unit);

ETHERNET DEVICE DRIVER.
The send operation has been aborted by the controller because the maximum number of retries after a collision has been reached.

This can be a hardware problem. Call hardware assistance to substituite the Ethernet controller board

---

ex: entry #<drive number>, q #<queue index>
panic : <name>

OLIDISK DEVICE DRIVER.
A busy command queue entry has been selected in the driver function <name>. <name> can be excommand, exstartio or exxcmd. Can be a harware or software problem.

Report to Software support.

---

ex: no immediate command buffer
panic : exalloci

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

-

---

ex: no more cmd bufs
panic : exalloc

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

ex<contr.>: bad controller type <hex value>

OLIDISK DEVICE DRIVER.
The controller <contr.> is wrong.

Call Hardware assistance.

---

ex<contr.>: controller <fault type>, exstatus=<hex status>

OLIDISK DEVICE DRIVER.
The controller <contr.> has a fault <fault type>

Call Hardware assistance.

---

ex<contr.>: controller fault

OLIDISK DEVICE DRIVER.
Hardware error.

Call Hardware assistance.

---

ex<contr.>: controller fault <hex fault code>

OLIDISK DEVICE DRIVER.
Hardware fault.

Call Hardware assistance.

---

ex<contr.>: rbe and cbf both zero (should not happen)

OLIDISK DEVICE DRIVER.
This should never happen. The controller usually continues to run, but this is symptomatic of a malfunction.

Call Hardware assistance.

---

ex<drive number>: bad drive id# in getunit <hex id> cmd.

OLIDISK DEVICE DRIVER.
The controller has returned corrupted information.

Call Hardware assistance.

---

ex<drive number>: std24 not found: default used

OLIDISK DEVICE DRIVER.
The standard 24 environment map does not exist or is corrupted.

Call Hardware assistance.

---

ex: entry #<drive number>, q #<queue index>
panic : <name>

OLIDISK DEVICE DRIVER.
A busy command queue entry has been selected in the driver function <name>. <name> can be excommand, exstartio or exxcmd. Can be a harware or software problem.

Report to Software support.

---

ex: no immediate command buffer
panic : exalloci

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

-

---

ex: no more cmd bufs
panic : exalloc

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

-

---

exharderr: cmd=<hex val>
panic : ex

OLIDISK DEVICE DRIVER.
Unexpected reply code.

Report to Software support.

---

exintr: unknown interrupt vect #<hex vector value>

OLIDISK DEVICE DRIVER.
Unknown interrupt.

Call Hardware assistance.

---

ex<unit>: command <command name>, unexpected response ref <hex val>
(should be <hex val>)

OLIDISK DEVICE DRIVER.
This may happens at initialization time, due to hardware or firmware problems. The specified unit will not be on-line.

Call Hardware assistance.

---

ex<unit>: err<hex,hex,hex,hex>: media format error

OLIDISK DEVICE DRIVER.
The disk unit has not been formatted. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit>: no environment table, default used

OLIDISK DEVICE DRIVER.
The environment table is not present on unit <unit>.

Run the **disconf** utility.

---

ex<unit><p>: bn=<block>, (WARNING): still busy after timeout

OLIDISK DEVICE DRIVER.
This should never happen. The controller was unable to handle all the I/O requests within the expected timeout. Note that this is a WARNING in the sense that the controller and kernel will continue to run without problems other than performance downgrading.

Call Hardware assistance to check if the controller PROM revision is the latest one. If the hardware is OK then call Software support.

---

ex<unit><p>: bn=<block>, (WARNING): timer limit expired

OLIDISK DEVICE DRIVER.
This should never happen. The controller was unable to handle all the I/O requests within the expected timeout. Note that this is a WARNING in the sense that the controller and kernel will continue to run without problems other than performance downgrading.

Call Hardware assistance to check if the controller PROM revision is the latest one. If the hardware is OK then call Software support.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: bus error [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Bus timeout. The memory sub-system failed to answer the DMA controller. This usually indicates that the memory board is wrong. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: cmd aborted [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Fatal Hardware error. The hardware error occurred at logical block <bn> of the specified partition of the disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: controller error [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Controller error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
data ECC error [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Data ECC error. The specified sector(s) must be rewritten and/or remapped. This usually indicates that the disk has been formated but that the defective sectors/tracks have not been remapped. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
data error [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Data disk error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
data sync not found [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Data disk error. This usually indicates that the disk has been formatted, but that the defective sectors/tracks have not been remapped. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
drive clock dropout [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: drive cmd timed out [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: drive detected err [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: drive error [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: drive error SRI [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
drive lost rw ready [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
drive lost u ready [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
drive mis-seek [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
forced error in data [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
A hardware error has been forced on the considered data block. The hardware error occurred at logical block <bn> of the specified partition of the disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command. If this error happens when the controller is first initialized, the parts marked with [.....] might not be printed.

This should never happen. Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: header compare error [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Data hardware error. This usually indicates that the disk has been formatted, but that the defective sectors/tracks have not been remapped. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the physical disk block number where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: invalid command (<name>) [, mblock] [, bblock=<number>]
cmd was: <cmdname> bn=<physblk>, c=<bytecount>, a=<core address>

OLIDISK DEVICE DRIVER.
An invalid command was issued at logical block <bn> of the secified <partion> of the disk <unit>. <name> is the failed part of the command. <mblock> is not meaningful here. <bblock> identies the physical disk block number. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line gives more information about the original command.

The driver should forbid all illegal commands. If this error happens, report to Software support.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: invalid pdc [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
This message indicates a firmware error. It usually indicates that the disk has been formatted, but that the defective sectors/tracks have not been remapped. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: memory address odd [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
The core address is wrong. This usually indicates that the disk has been formatted, but that the defective sectors/tracks have not been remapped. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Report to Software support.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
memory parity error [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
A memory parity error has occurred. The error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans over more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
no available RBNs [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
This should never happen.

Call Software support.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: pulse/state error [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Disk drive error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>: serious exception [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Fatal Hardware error. The hard error occurred at logical block <bn> of the specified partition of the disk <unit>. If the error spans more than one block, mblock is printed. If appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
transfer count odd [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
An attempt to transfer an odd count was made by the driver. This usually indicates that the disk has been formatted, but that the defective sectors/tracks have not been remapped. The error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Report to Software support.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
unknown error type

OLIDISK DEVICE DRIVER.
Unknown hardware error. The hardware error occurred at logical block <bn> of the specified partition of disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
unknown status [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
Fatal Hardware error. The hardware error occurred at logical block <bn> of the specified partition of the disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit><p>: hard error bn=<bn>, err<hex,hex,hex,hex>:
write-prot [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
The unit is physically write-protected.

Call Hardware assistance.

---

ex<unit><partition[a-f]>: bn=<block number>: went into
black hole
panic : ex

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

ex<unit>[<p>]: [hard error bn=<bn>,]
err<hex,hex,hex,hex>:
unit-available [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
The unit is not online because the controller cannot access it. The hardware error occurred at logical block <bn> of the specified partition of the disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred is also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command. This may indicate a power-down of a few milliseconds duration, but usually indicates hardware or power supply problems. Call Hardware support.

---

ex<unit>[<p>]: [hard error bn=<bn>,]
err<hex,hex,hex,hex>:
unit-offline [, mblock] [, bblock=<physblk>]

OLIDISK DEVICE DRIVER.
The unit is offline because the controller cannot access it. The hardware error occurred at logical block <bn> of the specified partition of the disk <unit>. If the error spans more than one block, mblock is printed. Where appropriate, the number of the first physical disk block where the error occurred ia also printed. The string err<hex,hex,hex,hex> details the firmware status of the command. The following line prints more information about the original command.

Call Hardware assistance.

---

ex<unit>: queue full
panic : exenqueue

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

ex<unit>: trashed queue
panic : exstart

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

ex<unit>: unknown command <hex number>
panic : exenqueue

OLIDISK DEVICE DRIVER.
An unknown command has been passed to the driver.

Report to Software support.

---

ex<unit>: unknown response, ref=<hex value>

OLIDISK DEVICE DRIVER.
The controller has sent an unexpected reply.

Report to Software support.

---

ex<unit>: wrong partition map, default used

OLIDISK DEVICE DRIVER.
The partition map is not present on unit <unit>.

Run the **disconf** utility.

---

ex<unit>: xcmd: no mp after intr

OLIDISK DEVICE DRIVER.
This may happen at initialization time due to hardware or firmware problems. The specified unit will not be on-line.

-

---

file size limit: <dec>*512

Specifies the maximum file size per user.

-

---

file table: <dec> entries

Self explanatory.

-

---

fp : <contr.>/<unit> - device not connected

FILE PROCESSOR.
No such device

Check your software or call hardware assistance.

---

free inode <str>/<dev> had <dev> blocks

A free inode was found with no blocks associated.

Run fsck.

---

free memory = <dec> bytes

Self explanatory.

-

---

hdc5 : ioctl error (no position to write map)

HDC DEVICE DRIVER.
The software device driver tried to execute a command to write the disk partition map, but the destination of the data to be written, as contained in the STD 24 environment map, is undefined.

Check the consistency of the STD 24 on disk.

---

hdc5 : ioctl error (No UNIX env)

HDC DEVICE DRIVER.
The software device driver tried to execute a command to write the disk partition map, but the STD 24 environment map does not contain the X/OS environment definition.

Check the consistency of the STD 24 on disk.

---

hdc5 : ioctl memory fault op 0x<code> Unit <contr.>/<unit>\n",

HDC DEVICE DRIVER.
The device driver is not able to access to process user address. This should never happen.

Can be a software problem. Contact software support.

---

hdc5 : no UNIX env.

HDC DEVICE DRIVER.
The environment label on the STD 24 map doesn't describe a X/OS environment. If the X/OS installation was succesful, this should never be encountered.

Call hardware support to check the consistency of the Standard 24 map.

---

hdc5 : read env. table error

HDC DEVICE DRIVER.
Error reading the environment table from the STD 24 map on the first track. This should never happen.

Call hardware support to check the consistency of the Standard 24 map.

---

hdc5 dev <contr.>,<unit> ioctl invalid command <cmd>\n",

HDC DEVICE DRIVER.
An invalid **ioctl** command has been sent to the driver. This should never happen using standard tools.

Usually a software problem. Check the application or report the problem to software support.

---

hdc5 I/O error : <ret>

HDC DEVICE DRIVER.
An unknown error <code> arose during an I/O operation. This should never happen.

Can be a software problem. Report to software support.

---

hdc5 I/O recovery (aborted)

HDC DEVICE DRIVER.
The software device driver has aborted the recovery program due to a hardware error. This happens when there is a hardware error even after a retry.

Call hardware assistance.

---

hdc5 ioclt error: op 0x<ret> Unit <contr.>/<unit>

HDC DEVICE DRIVER.
This can arise during the **ioctl** command to read the STD 24 map.

Can be a software problem. Contact software support.

---

hdc5 ioctl error: (write STD 24) op 0x<code> Unit <contr.>/<unit>

HDC DEVICE DRIVER.
This can arise if a user calls the **ioctl** function to write the on disk. This operation is no longer available to the user.

-

---

hdc5<unit><c> hardware error: <ret> op: <code>. (block: <b> len: <l>)

HDC DEVICE DRIVER.
This message is printed out each time that a hardware error occurs before the error recovery program begins. It gives a status message regarding the hardware state of the peripheral.

Generally the error reported will be recovered by the software device driver, if possible. Otherwise the I/O operation will be aborted

---

hdc controller not present

HDC DEVICE DRIVER.
Self explanatory.

-

---

hdc (Default map used).

HDC DEVICE DRIVER.
The disk partitioning map has not been found, so a default one will be used. This should never be encountered if the X/OS installation was succesful.

Use the **disconf** utility to attempt to define a consistent disk partition map. Care should be taken while performing this operation.

---

hdc - inconsistent driver state.

HDC DEVICE DRIVER.
An unexpected interrupt has been received by the software driver. This should never happen.

Call hardware assistance to check the controller.

---

hdc partition <p> - wrong access

HDC DEVICE DRIVER.
A software error caused by an operation on an undefined or empty disk partition.

Check the consistency between the software application and the disk partition table.

---

hdc reset controller error : <ret>

HDC DEVICE DRIVER.
<ret> specifies the error type encountered during a reset command. This special command is executed at initialization time or when the software device driver is going to recover some special hardware error.

Call hardware assistance to substituite the controller board or contact software support.

HDC strategy bp = <addr>

HDC DEVICE DRIVER.
The strategy driver function received a nul block pointer in input. This should never happen.

This can be caused by a serious problem in the kernel or in the device driver software. Call software support.

---

hd - error on enable interrupts.

HDC DEVICE DRIVER.
A hardware error.

Call hardware assistance.

---

hd logical I/O error (wrong length)

HDC DEVICE DRIVER.
A software problem which should never happen.

Reboot the machine and report the problem to software support.

Illegal swap major in conf
using default for swap major: <dec> for swap minor: <dec>

Illegal major number in configuration file for main swap device.

Check major number of main swap device.

Illegal swap major in conf: <str> = <dec>

Illegal swap major in configuration file for additional swap device.

Check major number of additional swap device.

In HDC5 readid

HDC DEVICE DRIVER.
This problem can be due to an incorrect disk format (i.e. the number of sectors per track is greater than 32).

Call hardware assistance to check the disk state.

---

inode table: <dec> entries

Self explanatory.

-

---

ipc messages: <dec> identifiers

Self explanatory.

-

---

ipc semaphores: <dec> identifiers

Self explanatory.

-

---

ipc semaphores: max number of semaphores <dec>

Self explanatory.

-

---

issig

Process is not traced.

-

Kernel: <str>

Specifies kernel version used.

-

---

mfd: controller #<contr.> fault: not used

FLOPPY DISK DRIVER.
The floppy controller <number> is faulty.

Call hardware assistance.

---

mfd<controller>: unable to start timer err=<hex value>

FLOPPY DISK DRIVER.
Hardware error.

Call hardware assistance.

---

mfd<unit>: err partition # <number>, cyl=<cylno>, size=<size>

FLOPPY DISK DRIVER.
The partition map is incorrect.

Run the **disconf** utility.

---

mfd<unit>: hard error mfior_motorstop, err=<hex value>

FLOPPY DISK DRIVER.
Hardware error.

Call hardware assistance.

---

mfd<unit><p>: hard error bn=<block number>,
bad cylinder (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
bad shake (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
data EDC error (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Usually, this message serves as a warning that the diskette is is irreversibly damaged. Note that even if the error is recovered, it is better to exchange the diskette.

---

mfd<unit><p>: hard error bn=<block number>,
diagnostic error=<hex value> (aborted)

FLOPPY DISK DRIVER.
A diagnostic error has occurred.

Call hardware assistance.

---

mfd<unit><p>: hard error bn=<block number>,
dma count (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
dma overrun (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
FDC hard error (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects. If it occurs continuously, it may indicate a controller hardware error. In this case, call Hardware support.

---

mfd<unit><p>: hard error bn=<block number>,
FDC unit fault (aborted)

FLOPPY DISK DRIVER.
A hardware error occurred on the partition <p> of unit <unit>, at the logical block <block number>. Hardware fault.

Call Hardware assistance.

mfd<unit><p>: hard error bn=<block number>,
floppy not present (aborted)

FLOPPY DISK DRIVER.
The floppy diskette has not been inserted into the drive.

Insert the floppy diskette.

---

mfd<unit><p>: hard error bn=<block number>,
hardware fault (<message>)

FLOPPY DISK DRIVER.
A hardware has error occurred on partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
id EDC disk error (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

Note that even if the error is recovered, this message serves as a warning that it is better to exchange the diskette.

---

mfd<unit><p>: hard error bn=<block number>,
invalid command, driver error (aborted)

FLOPPY DISK DRIVER.
Driver error.

Report to Software support.

mfd<unit><p>: hard error bn=<block number>,
missing addr on data (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
missing addr on ID (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
ready change status (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
shake <shake error> (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
stray/bad interrupt (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
timeout shake (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
timer timeout (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
unit busy (<message>)

FLOPPY DISK DRIVER.
An hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
unknown error=<hex value> (aborted)

FLOPPY DISK DRIVER.
An unknown hardware error has occurred.

Call hardware assistance.

---

mfd<unit><p>: hard error bn=<block number>,
write protected disk (aborted)

FLOPPY DISK DRIVER.
A write operation has been attempted on a write-protected floppy.

Remove the protection label and retry the operation.

---

mfd<unit><p>: hard error bn=<block number>,
wrong cylinder (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd<unit><p>: hard error bn=<block number>,
wrong sector (<message>)

FLOPPY DISK DRIVER.
A hardware error has occurred on the partition <p> of unit <unit>, at the logical block <block number>. If <message> reads *recovered after <num> retries*, it means that the error has been recovered after <num> number of retries, and processing continues. Otherwise, the error cannot be recovered.

If the error cannot be recovered, try the operation again (in any case it may be safer to exchange the floppy diskette). Otherwise, this message serves as a warning that the diskette is beginning to show defects.

---

mfd: unknown interrupt vect #<vect>

FLOPPY DISK DRIVER.
Unknown interrupt (Hardware error).

Call hardware assistance.

---

mget

ETHERNET DEVICE DRIVER.
The Ethernet software driver require mbufs (software resource) to store a new frame, but the mbuf free list is empty. This is an operating system software configuration problem.

-

MTU controller not present

MTU DEVICE DRIVER. Self explanatory.

-

---

mtu - error on disable interrupts.

MTU DEVICE DRIVER.
This should never happen. Can be caused by bad hardware status of the board.

Call hardware assistance to check the controller status.

---

mtu - error on enable interrupts.

MTU DEVICE DRIVER.
This should never happen. Can be caused by bad hardware status of the board.

Call hardware assistance to check the controller status.

MTU spurius interrupt handler

MTU DEVICE DRIVER.
Software error. This should never happen.

Call software support.

---

mtu <unit>: error 0x<ret> EOT reached (new tape)

MTU DEVICE DRIVER.
This is a software problem, and should never happen.

Call software assistance.

---

mtu <unit>: error 0x<ret> error writing file mark

MTU DEVICE DRIVER.
This should never happen.

Try to use another tape reel and clean heads. Call software support.

---

mtu <unit>: error 0x<ret> parity error in read

MTU DEVICE DRIVER.
A error occurred during data transfer, and has not been recovered.

Try the transfer again, but the tape reel should be replaced.

---

mtu <unit>: error 0x<ret> tape rewinding

MTU DEVICE DRIVER.
The tape unit <unit> is rewinding the reel.

Wait and try again.

---

mtu <unit>: error 0x<ret> unit offline

MTU DEVICE DRIVER.
This may arise during data transfer.

If this is encountered during data transfer, call hardware assistance to check the controller board.

---

mtu <unit>: hardware error 0x<ret>

MTU DEVICE DRIVER.
Unrecoverable hardware error.

Call hardware assistance.

---

mtu <unit>: hardware error 0x<ret> not recoverable

MTU DEVICE DRIVER.
An unrecoverable hardware error occurred during data transfer.

Call hardware assistance.

---

mtu <unit>:ioctl error invalid command

MTU DEVICE DRIVER.
Software error.

Call software assistance.

---

mtu <unit>: ioctl error invalid operation <cmd>

MTU DEVICE DRIVER.
Software error.

Call software assistance.

---

mtu <unit> : ioctl error - not opened

MTU DEVICE DRIVER.
Self explanatory.

Check the software or call software assistance.

---

mtu <unit>:ioctl status not implemented

MTU DEVICE DRIVER.
Software error.

Call software assistance.

---

mtu unit <unit> : busy.

MTU DEVICE DRIVER.
Unit <unit> is in use by another user.

Wait and retry the command.

---

mtu unit <unit> : not on line

MTU DEVICE DRIVER.
Self explanatory.

Unit <unit> should be brought on-line, and the command retried.

---

mtu unit <unit> : not ready.

MTU DEVICE DRIVER.
Self explanatory.

Unit <unit> should be brought on-line, and the command retried.

---

mtu unit <unit> : not write ring

MTU DEVICE DRIVER.
Self explanatory.

-

---

mtu unit <unit> : (<ret>: <cmd>) hardware error.

MTU DEVICE DRIVER.
An unrecoverable hardware error on unit <unit> (code <cmd>) occurred.

Call hardware assistance.

---

mtu <unit>: warning 0x<ret> EOF reached

MTU DEVICE DRIVER.
This is a software problem, and should never happen.

Call software assistance.

---

mtu <unit> : warning 0x<ret> (Recovered CRC error on data field)

MTU DEVICE DRIVER.
A error occurred during data transfer, but was recovered.

Use another tape reel.

---

mtu <unit>: warning 0x<ret> tape block len > required len

MTU DEVICE DRIVER.
This is a warning about the length of the data block, but should never happen using standard tape-handling commands.

Check the application code or report to software support.

MUX5 controller <unit> not present

MUX DEVICE DRIVER.
The required MUX controller used for the current tty line is not present in the hardware configuration.

Check the definition of current special device (tty) in use.

Mux5 FE error(unit : <unit>)

MUX DEVICE DRIVER. A framing error has been detected by the MUX controller <unit> on a specific line.

This is a hardware problem. Call hardware support.

MUX5 : stray interrupt (unit : <unit>)

MUX DEVICE DRIVER.
The system has received an illegal interrupt code from MUX controller.

Call hardware assistance.

MXCLOSE5 : channel_close(unit : <unit>) -> %d

MUX DEVICE DRIVER.
The channel close function on MUX <unit> ended with an error <ret>.

The problem can be due to a hardware error or an inconsistent MUX controller state. Reboot the system to retry, or call hardware assistance.

MXCTL5: set_channel(unit : <unit>) -> %d

MUX DEVICE DRIVER.
The MUX controller will not permit a new initialization of the special line parameters at run time execution.

The problem may be due to a hardware error or to an inconsistent MUX controller state. Reboot the system to retry, or call hardware assistance.

MXPARAM5: channel_init(unit : <unit>) -> %d

MUX DEVICE DRIVER. The hardware state of the MUX controller <unit> will not allow a global line initialization.

Internal firmware error. Call hardware assistance to verify the upgrading level of the controller board.

MXPARAM5 : channel_open(unit : <unit>) -> %d

MUX DEVICE DRIVER.
The execution of an open function ended with an error <ret>

Internal firmware error. Call hardware assistance to verify the upgrading level of the controller board.

MXPARAM5: line_conf(unit : <unit>) -> %d

MUX DEVICE DRIVER.
The run time line reconfiguration function on MUX <unit> ended with an error <ret>.

Internal firmware error. Call hardware assistance to verify the upgrading level of the controller board.

MXPROC5 : channel_info (unit : <unit>) -> %d

MUX DEVICE DRIVER.
The MUX controller will not respond correctly to the internal status request.

Internal firmware error. Call hardware assistance to verify the upgrading level of the controller board.

MXPROC5 : write_string (unit : <unit>) -> %d

MUX DEVICE DRIVER.
The MUX controller is unable to write characters on a specific line.

Internal firmware error. Call hardware assistance to verify the upgrading level of the controller board.

---

nodename too long: truncated at 8-th char

The length of nodename in configuration file is greater than 8.

Change value in configuration file.

---

nodename: <str>

Specifies name of host in the network.

-

---

number of clists: <dec>

Self explanatory.

-

---

ocblock5: line=<line>, op=<hex value>, * NO SPACE *
panic : ocblock5

OLICOM DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

oc<contr.>: bad response value <hex value>

OLICOM DEVICE DRIVER.
Controller error.

Call Software support.

---

oc<contr.>: cmd=<hex cmd>, has response <hex>m
status=<hex>

OLICOM DEVICE DRIVER.
Controller error.

Call Hardware assistance.

---

oc<contr.>: controller command BEG_IMT error

OLICOM DEVICE DRIVER.
Controller error.

Call Software support.

---

oc<contr.>: controller command START error

OLICOM DEVICE DRIVER.
Controller error.

Call Software support.

---

oc<contr.>: controller load address error

OLICOM DEVICE DRIVER.
Controller error.

Call Software support.

---

oc<contr.>: controller reset error <hex>

OLICOM DEVICE DRIVER.
Controller error.

Call Software support.

---

oc<contr.>: intr not detected after 100 msecs

OLICOM DEVICE DRIVER.
Controller error.

Call Software support.

---

oc<contr.>: timeout occurred.

OLICOM DEVICE DRIVER.
Controller error.

Call Software support.

---

oc<contr.>: unknown intr line <line>

OLICOM DEVICE DRIVER.
Driver error.

Call Software support.

---

oc<controller number>: command queue full
panic : oc

OLICOM DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

oc<controller number>: command with done bit set
panic : oc

OLICOM DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

oc<controller number>: in_queue: AA bit set
panic : oc

OLICOM DEVICE DRIVER.
Controller hang-up.

Report to Hardware assistance.

---

oc<controller number>: response queue overrun!
panic : oc

OLICOM DEVICE DRIVER.
Internal driver malfunction. This can be a hardware or software problem.

Report to Software support.

---

oc<controller>: bad misc token cnt=<count>
panic : oc

OLICOM DEVICE DRIVER.
Inconsistent driver state

Report to Software support.

---

oc<line>: broken line - disabled

OLICOM DEVICE DRIVER.
The considered line is broken.

Call Software support.

---

ocopen5: cntr=<controller>, unit=<minor number>, line=<line>,
oc_status=<hex value>
panic : ocopen5

OLICOM DEVICE DRIVER.
Internal driver malfunction.

Report to Software support.

---

ocsendlcb, op=<hex value>, LAST BIT SET
panic : oc

OLICOM DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

ocsendlcbl, op=<hex value>, LAST BIT SET
panic : oc

OLICOM DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

oc<unit>: address fault <hex fault>, code=<code>

OLICOM DEVICE DRIVER.
A memory fault occurred. The controller was unable to access the memory.

Call Hardware assistance.

---

oc<unit>: catastrophic error (AA bit set)

OLICOM DEVICE DRIVER.
Controller error.

Call Hardware assistance.

---

oc<unit>: controller wakeup!

OLICOM DEVICE DRIVER.
Driver error.

Call Software support.

---

oc<unit>: <count> tx tokens
panic : octxbreak

OLICOM DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

oc<unit>: IO=<hex>, I4=<hex>

OLICOM DEVICE DRIVER.
An incorrect reply was received from the controller.

Call Hardware assistance.

---

oc<unit>: spurious intr code=<hex>,<hex>

OLICOM DEVICE DRIVER.
Incorrect interrupt received from the controller.

Call Hardware assistance.

OLIVETTI UNIX HALTED!

Self explanatory.

-

<osi> : - configuration data exceeds resourced default used

DISK DEVICE DRIVER.
The sum of the values configured in the conf file exceeds the maximum allowed value. The default values are used.

Reconfigure the values in the conf file.

<osi> : - tli_maxevents exceeds maximum 64 used

DISK DEVICE DRIVER.
The tli_maxevents value in the conf file exceeds the maximum allowed value. The default value (64) has been used.

Reconfigure tli_maxevents.

<osi> : - tli_maxind exceeds maximum 64 used

DISK DEVICE DRIVER.
The tli_maxind value in the conf file exceeds the maximum allowed value. The default value (64) has been used.

Reconfigure tli_maxind.

<osi> : - tli_nclls exceeds maximum 10 used

DISK DEVICE DRIVER.
The tli_nclls value in the conf file exceeds the maximum allowed value. The default value (10) has been used.

Reconfigure tli_nclls.

<osi> : - tli_nclns exceeds maximum 10 used

DISK DEVICE DRIVER.
The tli_nclns value in the conf file exceeds the maximum allowed value. The default value (10) has been used.

Reconfigure tli_nclns.

<osi> : - tli_nclts exceeds maximum 10 used

DISK DEVICE DRIVER.
The tli_nclts value in the conf file exceeds the maximum allowed value. The default value (10) has been used.

Reconfigure tli_nclts.

<osi> : - tli_ncots exceeds maximum, 32 used.

DISK DEVICE DRIVER.
The tli_ncots value in the conf file exceeds the maximum allowed value. The default value (32) has been used.

Reconfigure tli_ncots.

```
<osi> : - WARNING DATA MAY BE LOST reconfigure
tli_maxind

DISK DEVICE DRIVER.
Data may be lost because tli_maxind is small.

Reconfigure tli_maxind.
```

---

panic : accept

The socket wasn't in the queue of the incoming connections.

Report to software support.

---

panic : Address error

Unexpected address error trap.

Reboot the system.

---

panic : alloc: bad size

Allocation of a block larger than a file system block.

Run fsck.

---

panic : alloccg: block not in map

Block allocation map in cylinder group corrupted.

Run fsck.

---

panic : alloccg: map corrupted

Block allocation map in cylinder group corrupted.

Run fsck.

---

panic : alloccgblk: can't find blk in cyl

Cylinder group information corrupted.

Run fsck.

---

panic : alloccgblk: cyl groups corrupted

Cylinder group information corrupted.

Run fsck.

---

panic : allocgrain: bad nextfrbit.

Bad index in grain table. Kernel bug.

Report to software support.

---

panic : allocgrain: dup allocation

Attempt to allocate an already allocated grain. Kernel bug.

Report to software support.

---

panic : bad c_page

Corrupted pte. Kernel bug.

Report to software support.

---

panic : bad mem alloc

Illegal core map entry. Kernel bug.

Report to software support.

---

panic : bad mem free

Attempt to free an illegal page. Kernel bug.

Report to software support.

---

panic : bad rmfree

Illegal dellocation request. Kernel bug.

Report to software support.

---

panic : big push

Corrupted bytes counts in swap out a page. Kernel bug.

Report to software support.

---

panic : blkflush

Illegal parameter. Kernel bug.

Report to software support.

---

panic : bread

The byte transfer count during a read operation was bigger than buffer size. Kernel bug.

Report to software support.

---

panic : bread: size 0

Kernel bug.

Report to software support.

---

panic : breada

The byte transfer count during a read ahead operation was bigger than buffer size. Kernel bug.

Report to software support.

---

panic : breadrabp

RAM limits exceeded during a read ahead operation. Kernel bug.

Report to software support.

---

panic : brealloc

The kernel attempted to reallocate a buffer already in use. Kernel bug.

Report to software support.

---

panic : Bus error

Unexpected bus error trap.

Reboot the system.

---

panic : bwrite

The byte transfer count during a write operation was bigger than buffer size. Kernel bug.

Report to software support.

---

panic : calloc

Kernel-mode storage allocation: size limits exceeded. Kernel bug.

Report to software support.

---

panic : CHK Instruction

Unexpected CHK instruction.

Reboot the system.

---

panic : cleanup CSYS

Attempt to free a not swappable page. Kernel bug.

Report to software support.

---

panic : cleanup center

Corrupted cleaned list. Kernel bug.

Report to software support.

---

panic : cleanup shl

Attempt to free a not swappable page. Kernel bug.

Report to software support.

---

panic : cleanup text

Attempt to free a not swappable page. Kernel bug.

Report to software support.

---

panic : closef: count < 1

The file has a negative reference count. Kernel bug.

Report to software support.

---

panic : clrblock

Inconsistency in checking availability of a block. Kernel bug.

Report to software support.

---

panic : devtovp_badop

Bad operation switch. Kernel bug.

Report to software support.

---

panic : direnter: target directory link count

Incorrect link count of the target directory during rename.

Run fsck.

---

panic : dirmakeinode: no attributes

Trying to create an inode with no atrributes. Kernel bug.

Report to software support.

---

panic : dirprepareentry: invalid slot status

Directory corrupted.

Run fsck.

---

panic : dirprepareentry: new block

Directory corrupted.

Run fsck.

---

panic : dnlc_purge: zero vp

A null vnode was found in the vnode cache. Kernel bug.

Report to software support.

---

panic : dup biodone

I/O completion on a buffer with no I/O implied.

Report to software support.

---

panic : dup mem alloc

Attempt to allocate a not free page. Kernel bug.

Report to software support.

---

panic : dup mem free

Attempt to free an already free page. Kernel bug.

Report to software support.

---

panic : dup page unlock

Attempt to unlock an unlocked page. Kernel bug.

Report to software support.

---

panic : exautoma: ST_BEGIN

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

panic : exautoma: ST_HALF

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

panic : exautoma: ST_IO

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

panic : excommand

OLIDISK DEVICE DRIVER.
An unkown command has been given to the driver.

Report to Software support.

---

panic : exget

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

panic : exit

A process was exiting but it is not on the process hash list.

Report to software support.

---

panic : exit: m_getclr

No mbufs for resource usage.

Report to software support.

---

panic : ex<unit>: automa state <state name>

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

panic : f_ptetolp

Unrecoverable illegal user address in shared library section. Kernel bug.

Report to software support.

---

panic : f_ptetomp

Unrecoverable illegal user address in shared memory section. Kernel bug

Report to software support.

---

panic : free: bad size

Freeing a block langer than a file system block. Kernel bug.

Report to software support.

---

panic : free: freeing free block

Trying to free a block that is already free.

Run fsck.

---

panic : free: freeing free frag

Trying to free a fragment that is already free.

Run fsck.

---

panic : fstat

Unknown file type.

Run fsck.

---

panic : getfreehdr

Memory allocation failed. Kernel bug.

Report to software support.

---

panic : getmp: bad magic

This is not the superblock.

Run fsck.

---

panic : hard IO err in swap

Hardware IO error in swap.

Reboot the system.

---

panic : ialloc: dup alloc

Allocation of an inode already existing.

Run fsck.

---

panic : iallocg: block not in map

Inode allocation map in cylinder group corrupted.

Run fsck.

---

panic : ialloccg: map corrupted

Inode allocation map in cyl group corrupted.

Run fsck.

---

panic : idrop

The inode to drop should have been locked. Kernel bug.

Report to software support.

---

panic : ifree: freeing free inode

Trying to free an inode that is already free.

Run fsck.

---

panic : ifree: range

An out of range inumber was specified. Kernel bug.

Report to software support.

---

panic : iget: bad dev

Device where the inode resides is not mounted. Kernel bug.

Report to software support.

---

panic : iget: bad fs

Inconsistent super block. Kernel bug.

-

---

panic : illegal exception stack frame

Kernel bug.

Report to software support.

---

panic : Illegal Instruction

Unexpected illegal instruction trap

Reboot the system.

---

panic : illegal segment block number

Illegal request for virtual address extension. Kernel bug.

Report to software support.

---

panic : init died

Init process is being exited.

Reboot the system.

---

panic : IO err in push

Hard error in swap out a page.

Reboot the system.

---

panic : iput

Unlocking an inode that is not locked. Kernel bug.

Report to software support.

---

panic : irele

Release an inode that is still locked. Kernel bug.

Report to software support.

---

panic : isblock

Inconsistency in checking availability of a block. Kernel bug.

Report to software support.

---

panic : itrunc: newspace

No space freed after trunc. Kernel bug.

Report to software support.

---

panic : iunlock

See iput.

-

---

panic : kluster

Memall failed. Kernel bug.

Report to software support.

---

panic : kmem_alloc

Illegal request of allocation, i.e. a negative size. Kernel bug.

Report to software support.

---

panic : kmem_free

Pointer boundary out of range. Kernel bug.

Report to software support.

---

panic : kmem_free block already free

Kernel bug.

Report to software support.

---

panic : kmem_free: block already free as neighbor

Kernel bug.

Report to software support.

---

panic : kmem_free: free block overlap

Kernel bug.

Report to software support.

---

panic : kmem_free_intr

Illegal free request at interrupt time.

Report to software support.

---

panic : Line 1010 emulator

Unexpected Line 1010 emulator trap

Reboot the system.

---

panic : Line 1111 emulator

Unexpected Line 1111 emulator trap

Reboot the system.

---

panic : lost text

There is not attached text. Kernel bug.

Report to software support.

---

panic : m_copy

Copy operation on mbuf failed.

Report to software support.

---

panic : m_cpytoc

Copy operation from an mbuf to a contiguous area failed.

Report to software support.

---

panic : m_more

No more mbuf free.

Report to software support.

---

panic : mbinit

The allocation of the initial mbuf resources failed.

Report to software support.

---

panic : mcldup

The cluster mbuf duplication failed because the mbuf cluster type is unknown.

Report to software support.

---

panic : mclput

The kernel was attempting to release an cluster mbuf of unknown type.

Report to software support.

---

panic : memall ecmap

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : memall intrans|want

Attempt to allocate an intransit or want page. Kernel bug.

Report to software support.

---

panic : memall mfind

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : MMU Fault

Memory Management Unit fault in kernel mode.

Reboot the system.

---

panic : munhash

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : munhash mfind

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : no memory

No free memory. Add more RAM.

Report to software support.

---

panic : no memory at the start of kernel

Inappropriate memory setup.

Call hardware assistance.

---

panic : no procs

Error during fork. Kernel bug.

Report to software support.

---

panic : ocsendlcbl, no space

OLICOM DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

---

panic : pagein PG_FTEXT

There is not attached text. Kernel bug.

-

---

panic : pagein c_page chgd

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : pagein intrans|want

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : pagein mfind c_free

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : pagein mfind c_gone

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : pagein mfind not TEXT||SHL

Corrupted core map hash chain. Kernel bug.

Report to software support.

---

panic : pagein pfnum

Corrupted pte. Kernel bug.

Report to software support.

---

panic : pagein pg_fileno

Illegal file number for vread. Kernel bug.

Report to software support.

---

panic : pagein u.u_ofile

Corrupted user file table. Kernel bug.

Report to software support.

---

panic : pagein vread

Attempt to pagein for vread. Kernel bug.

Report to software support.

---

panic : pagein: unknown type

Unrecoverable illegal user address. Kernel bug.

Report to software support.

---

panic : pagemove

Parameter size is not multiple of page size. Kernel bug.

Report to software support.

---

panic : pageout klsize

Not positive kluster size. Kernel bug.

Report to software support.

---

panic : pipefault: illegal bus error format

Illegal bus error format.

Report to software support.

---

panic : piusrreq

Illegal request. Kernel bug.

Report to software support.

---

panic : psig

No current signal. Kernel bug.

Report to software support.

---

panic : psig action

The signal had to be ignored.

Report to software support.

---

panic : ptealloc

Attempt to allocate a non positive number of grain. Kernel bug.

Report to software support.

---

panic : ptfix unknown type

Attempt to update page table for illegal segment type. Kernel bug.

Report to software support.

---

panic : ptovcopy

Error during a copy from a physical to a virtual address. Kernel bug.

Report to software support.

---

panic : Privileged instruction

Unexpected privileged instruction trap.

Reboot the system.

---

panic : realloccg: bad bprev

Reallocation of a bad block. Kernel bug.

Report to software support.

---

panic : realloccg: bad size

Reallocation of a block larger than a file system block. Kernel bug.

Report to software support.

---

panic : receive

Receive operation on a null mbuf.

Report to software support.

---

panic : remrq : not in queue

The process wasn't on the run queue.

Report to software support.

---

panic : remrq : p_pri out of range

The kernel was attempting to remove from the run queue a process with a priority out of range.

Report to software support.

---

panic : Reserved addressing mode

Unexpected reserved addresing mode trap.

Reboot the system.

---

panic : Reserved operand

Unexpected reserved operand trap.

Reboot the system.

---

panic : rmalloc

Illegal allocation request in a map. Kernel bug.

Report to software support.

---

panic : rmget

Illegal allocation request: non positive size. Kernel bug.

Report to software support.

---

panic : rootmount cannot mount root

The kernel was not able to mount root file system when booting.

Check partition map.

---

panic : rootmount: cannot find root vnode

The kernel was not able to find the root vnode.

Run fsck.

---

panic : sbappendaddr

No mbuf available to append data and address.

Report to software support.

---

panic : sbdrop

An attempt was made to release a null mbuf associatoed with the socket.

Report to software support.

---

panic : sbflush

An attempt to free an mbuf failed because it's still locked.

Report to software support.

---

panic : setblock

Inconsistency in checking availablility of a block. Kernel bug.

-

---

panic : setrq : p_pri out of range

The kernel was attempting to add to the run queue a process with a priority out of range.

Report to software support.

---

panic : setrq : p_rlink != 0

The kernel was attempting to add a process to the run queue but the process seems to be already on the queue.

Report to software support.

---

panic : setrun

Inconsistent process state. Kernel bug.

Report to software support.

---

panic : shlccdec: rssize

Error freeing shared library pages. Kernel bug.

Report to software support.

---

panic : shlfree rssize

Error freeing pages during shared library deallocation. Kernel bug.

Report to software support.

---

panic : shmccdec: rssize

Error freeing shared memory pages. Kernel bug.

Report to software support.

---

panic : shmdetach: segment not found

Error detaching shared memory segment. Kernel bug.

Report to software support.

---

panic : shmfree rssize

Error freeing pages during shared memory deallocation. Kernel bug.

Report to software support.

---

panic : sleep

Inconsistent process state before sleeping. Kernel bug.

Report to software support.

---

panic : soaccept: !NOFDREF

The socket was already referenced before being accepted. Kernel bug.

Report to software support.

---

panic : soclose: NOFDREF

The socket had no more references before being closed. Kernel bug

Report to software support.

---

panic : sofree dq

Socket was not removed from connection queues. Kernel bug.

Report to software support.

---

panic : soisconnected

Socket was already connected. Kernel bug.

Report to software support.

---

panic : sosend

Negative I/O transfer count on socket buffer. Kernel bug.

Report to software support.

---

panic : swap bad pte

Attempt to swap out not in core page. Kernel bug.

Report to software support.

---

panic : swapin

Corrupted user area. Kernel bug.

Report to software support.

---

panic : swapout

Corrupted proc entry. Kernel bug.

Report to software support.

---

panic : swapout rssize

Error freeing data and stack page. Kernel bug.

Report to software support.

---

panic : swdspt

Corrupted page table. Kernel bug.

Report to software support.

---

panic : swfree

Error freeing portion of swap map. Kernel bug.

Report to software support.

---

panic : swinit

No swap device.

Check hard disk partitioning.

---

panic : swstrategy

Attempt to swap on unknowned device. Kernel bug.

Report to software support.

---

panic : swtch : no entry in queue

The process queue for the computed priority is empty. Kernel bug.

Report to software support.

---

panic : swtch : process is sleeping

The process in the run queue is sleeping. Kernel bug.

Report to software support.

---

panic : sys pt too small

Not enough page table entries to map physical memory. Kernel bug.

Report to software support.

---

panic : syscall

At start of system call process is not in user state. Kernel bug.

Report to software support.

---

panic : text rssize

Error freeing text pages. Kernel bug.

Report to software support.

---

panic : timeout table overflow

No more space in the timeout table.

Reconfigure the system.

---

panic : too many softcalls

No more space in the software interrupt table.

Report to software support.

---

panic : trap: illegal page fault in system state

Page fault in kernel mode. Kernel bug.

Report to software support.

---

panic : trap: illegal system address page fault

Access to an illegal address in kernel mode. Kernel bug.

Report to software support.

---

panic : trap: privilege violation

Unrecoverable attempt to access a kernel page from user state. Kernel bug.

Report to software support.

---

panic : trap: read only violation

Unrecoverable attempt to write to a read-only page. Kernel bug.

Report to software support.

---

panic : trap: segment block fault

Unrecoverable attempt to access unavailable segment. Kernel bug.

Report to software support.

---

panic : trap: unknow bus error

Unknown bus error. Kernel bug.

Report to software support.

---

panic : trap: unrecoverable bus error

Bus error in kernel mode on a text address.

Report to software support.

---

panic : TRAPV instruction

Unexpected TRAPV instruction trap.

Reboot the system.

---

panic : trread

Negative I/O transfer count. Kernel bug.

Report to software support.

---

panic : ttrstrt

No tty structure.

-

---

panic : ttwrite

Negative size write.

Report to software support.

---

panic : ttyrub

Unknown character.

Report to software support.

---

panic : ufs_badop

Illegal operation switching. Kernel bug.

Report to software support.

---

panic : ufs_inactive

Found an inode that is no longer referenced buf still locked. Kernel bug.

Report to software support.

---

panic : ufs_ioctl

Ioctl on a non character device. Kernel bug.

Report to software support.

---

panic : ufs_select

Select operation on a non character device. Kernel bug.

-

---

panic : uipc 1

An illegal request of space was made for a datagram socket.

Report to software support.

---

panic : uipc 2

An illegal request of space was made for a socket of unknown type.

Report to software support.

---

panic : uipc 3

A request of sending failed because the socket had no connections.

Report to software support.

---

panic : uipc 4

A request of sending failed because the socket is of unknown type.

Report to software support.

---

panic : unp_connect2

X/OS domain inter process connection failed: unknown socket type.

Report to software support.

---

panic : unp_disconnect

X/OS domain datagram socket error.

Report to software support.

---

panic : unp_externalize

No more entries in the user file table.

Report to software support.

---

panic : unp_gc

Corrupted system file table entry.

Report to software support.

---

panic : unp_gcscan

Corrupted mbuf chain.

Report to software support.

---

panic : update: rofs mod

A read only file system has been modified. Kernel bug.

report to software support.

---

panic : updateustbl unknown type

Attempt to update segment table for illegal segment type. Kernel bug.

Report to software support.

---

panic : ureadc

Zero I/O transfer count. Kernel bug.

Report to software support.

---

panic : uwritec

Non positive I/O transfer count. Kernel bug.

Report to software support.

---

panic : vfs_remove: unmounting root

An attempt was made to remove the virtual file system of the root file system. Kernel bug.

Report to software support.

---

panic : vfs_remove: vfs not found

Couldn't find virtual file system to remove. Kernel bug.

Report to software support.

---

panic : vfs_unlock

Trying to unlock a virtual file system that isn't locked. Kernel bug.

Report to software support.

---

panic : vgetu

Corrupted user area. Kernel bug.

Report to software support.

---

panic : vmdrum NDMAP

Attempt to allocate a swap area too big. Kernel bug.

Report to software support.

---

panic : vmemall size

Not positive or too big size. Kernel bug.

Report to software support.

---

panic : vmemfree vread

File number for vread is not valid. Kernel bug.

Report to software support.

---

panic : vn_rele

The kernel attempted to release a vnode with zero reference count. Kernel bug.

Report to software support.

---

panic : vno_lock

Trying to place a lock on a locked vnode. Kernel bug.

Report to software support.

---

panic : vno_unlock: EXLOCK

No exclusive locks on the vnode. Kernel bug.

Report to software support.

---

panic : vno_unlock: SHLOCK

No shared locks on the vnode. Kernel bug.

Report to software support.

---

panic : vrelvm rss

Error freeing data and stack pages. Kernel bug.

Report to software support.

---

panic : vsexpand

System isn't able to restore the previous size swap for a process. Kernel bug.

Report to software support.

---

panic : vstodb

Illegal parameters. Kernel bug.

Report to software support.

---

panic : vstodb *ip

Illegal swap block number. Kernel bug.

Report to software support.

---

panic : vtopcopy

Error during a copy from a virtual to a physical address. Kernel bug.

Report to software support.

---

panic : wakeup

Inconsistent process state at wakeup time. Kernel bug.

Report to software support.

---

panic : xfree rssize

Error freeing pages during text deallocation. Kernel bug.

Report to software support.

---

phys memory = <dec> bytes

Self explanatory.

-

---

pid <dec> killed due to text modification

Self explanatory.

-

---

pid <dec>: killed due to no swap space executing: <str>

Self explanatory.

Reconfigure with addional swap device or extend previous swap area.

---

pid <dec>: killed on swap error

Self explanatory.

-

---

real memory = <dec> bytes

Self explanatory.

-

---

resid = <number>
panic : exautoma

OLIDISK DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

[romrel=<str>, cold=<hex>] REBOOTING...

Self explanatory.

-

---

shared memory: <dec> identifiers

Self explanatory.

-

---

sorry, pid <dec> was killed due to no swap space (retry and good luck)

Self explanatory.

Reconfigure with addional swap device or extend previous swap area.

---

sorry, pid <dec> was killed on swap error (retry and good luck)

Self explanatory.

-

Spurius interrupt handler

HDC DEVICE DRIVER.
The device driver has received an unexpected interrupt from the controller. This can be a hardware or software error, but should never happen.

Call hardware assistance to substitute the board. If the error arises again, call software support.

<str>: bad block

An out of range block number of file system mounted on <str> was specified.

Run fsck.

<str>: bad dir ino <dev> at offset 0: mangled .. entry.

Directory corrupted.

Run fsck.

<str>: bad dir ino <dev> at offset <dev> mangled entry.

Inconsistent entry in the specified directory.

Run fsck.

<str>: bad dir ino <dev> at offset <dev> nonexistent directory block

The block at the specified offset is not belonging to the directory. Probable software bug.

Report to software support.

<str>: create/symlink failed, no inodes free.

Backup the file system and increase the number of inodes.

<str>: <dec> controller[s], <dec> wanted, <dec> used

Number of <str> controllers used.

-

<str>: <dec> used

Number ptys used.

-

<str>: file system full

File system is full.

Cleanup file system mounted on <str>. Reconfigure disk partition if necessary.

<str>: hard error sn<dec>

Hardware error.

-

<str>: out of inodes

No inodes free in file system mounted on <str>.

Backup the file system and increase the number of inodes.

<str>: rmap ovflo, lost [<dec>,<dec>)

Overflow of resource map: <str>.

If possible reconfigure.

<str>: Setuid execution not allowed

Self explanatory.

-

<str>: table is full

Self explanatory.

-

<str>: write failed, file system is full

An attempt was made to write to a file system full.

Cleanup file system mounted on <str>. Reconfigure disk partition if necessary.

Syncing disks... [list of busy units] done

Flushing dirty buffers to disc on specified units.

-

---

unexpected interrupt <dec>

Self explanatory.

-

---

unknown op <hex value>
panic : ioint 1

OLICOM DEVICE DRIVER.
An unexpected reply has been acknowledged by the driver. Can be a software or hardware problem.

Report to Software support.

Use default major and minor for diagnostic console <str><str><dec><dec>

No major and minor were specified in /conf file.

-

---

using <dec> buffers containing <dec> bytes (<dec>%) of memory

Self explanatory.

-

---

using default for root major: <dec>

Illegal root major number in /conf file.

Check root major number.

WARNING break in the memory at: <hex>

Memory is not contiguous.

Verify dip-switch setting on memory boards and then reboot.

WARNING illegal ``buffers`` /conf parameter valid range is: 10..40. Default used

Self explanatory start-up message.

Change value in configuration file.

WARNING: clock <str><dec> days -- CHECK AND RESET THE DATE!

Self explanatory start-up message.

-

Warning EVA space overflow!

Too many interupt vectors requested.

Reconfigure the system.

Warning : needless pagein

CPU has old MMU type.

Check CPU board version level. It may be too old.

WARNING: preposterous time in file system

Self explanatory start-up message.

-

WARNING: preposterous time in file system - CHECK AND RESET THE DATE

Self explanatory start-up message.

-

WARNING: should run interleaved swap with >= <dec>Mb

Additional swap device recommended.

-

WARNING: time of day clock doesn't work

Self explanatory.

-

WARNING : trying to write to swnull device!

SWAP NULL DEVICE DRIVER.
This error may arise during the installation process, and can be related to availability of insufficient RAM space. This should never happen using a normal hardware configuration as defined by OLIVETTI. The error may also be due to an incorrect read operation on a special block device created with major number = 4. Note that this special device should not exist.

Check the machine's RAM state and report to software support.

---

write_string: no token
panic : oc

OLICOM DEVICE DRIVER.
Inconsistent driver state.

Report to Software support.

Code 4043580 R (1)
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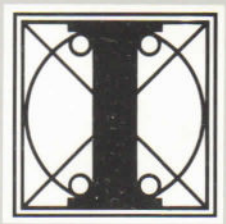

olivetti