

Release Notice
CONVEX C3400/P5500 Series
Processor Diagnostics and Database V1.4
Document No. 760-005030-010

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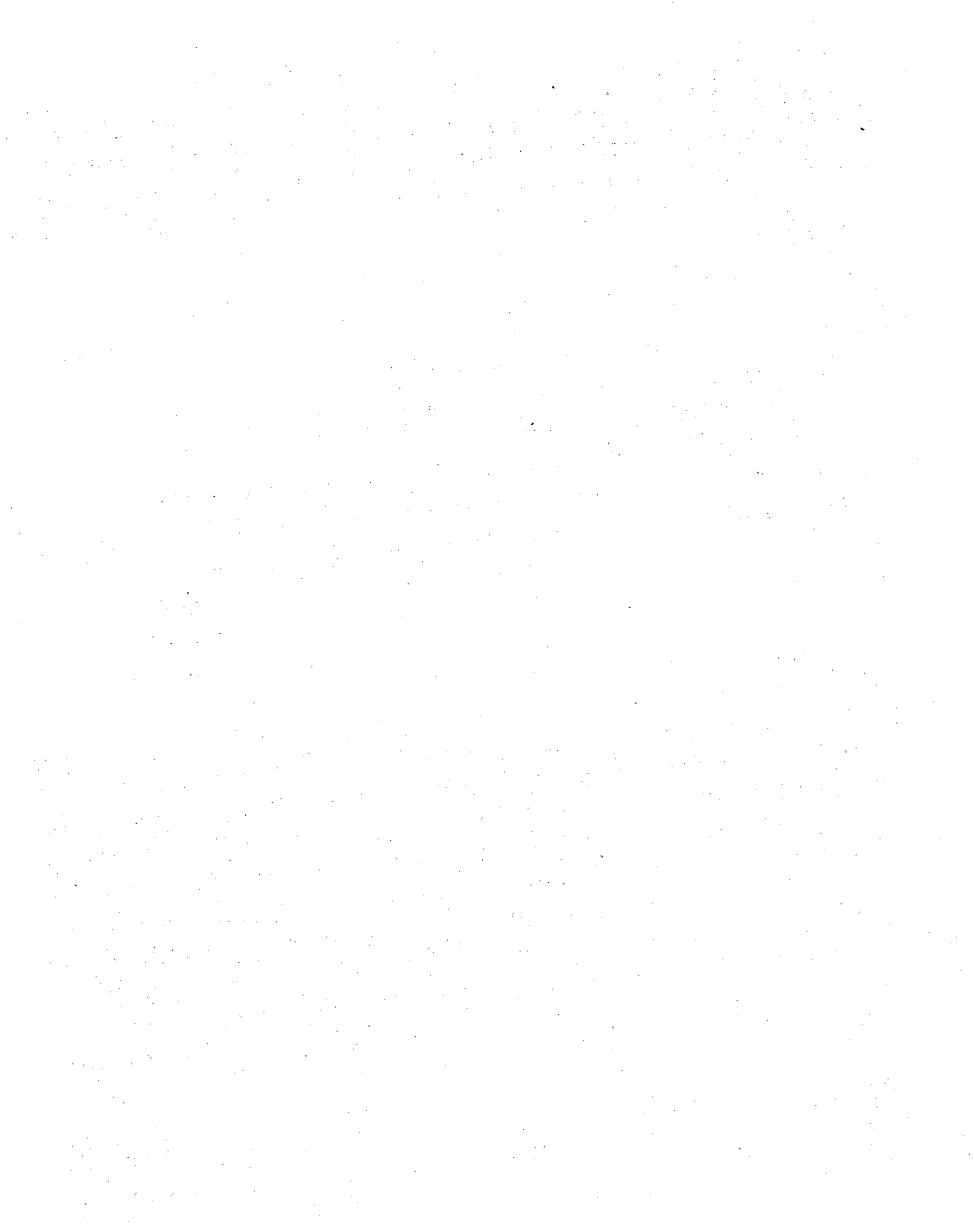
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Release Notice

1. Introduction

This document is intended to enhance and clarify the existing permanent documentation for this product with information that is up-to-the-minute, or was developed too late for inclusion in the permanent documentation. Always refer to this release notice before reporting questions or problems with CONVEX C3400/P5500 Series Processor Diagnostics and Database. Your questions may be answered here. Fixes and workarounds are listed here that may save you time in rediscovering known problems.

The remaining sections in this document describe the contents of this release:

- Section 2 describes the contents of this distribution.
- Section 3 contains notes and warnings about the use of the software.
- Section 4 contains enhancements to the previous functionality.
- Section 5 describes fixes for previously reported problems.
- Section 6 describes known software problems.
- Section 7 describes known hardware problems.
- Section 8 contains known documentation problems.
- Section 9 contains description of new documentation.
- Appendix A contains instructions for installing this release on a CONVEX C3400/P5500 Series Service Processor Unit.
- Appendix B contains a list of the files contained on the release tape.

Processor Diagnostics consists of various functional-level test programs and diagnostic utilities that execute under the CONVEX SPU OS operating system of the Service Processor Unit. All programs MUST execute in the offline diagnostic environment of CONVEX SPU OS and are mutually exclusive with the operation of ConvexOS on the main processors. The Database portion of the release tape contains the microcode, scan ring definitions, and configuration files. These programs are the property of CONVEX Computer Corporation and are intended for use only by CONVEX Field Service.

2. Contents of This Distribution

The distribution package for this release of Processor Diagnostics consists of this document, distribution media for the software, and documentation. The specific contents of the software and documentation distribution are described in the following tables:

CONVEX C3400/P5500 Series Processor Diagnostics and Database Media

ITEM	QTY	TYPE	PART NUMBER	DESCRIPTION	FORMAT
1.	1	QIC.	760-003515-010	Processor Diagnostics and Database, V1.4	Installsw

3. Notes and Warnings

This section contains generally useful information or words of caution about the product.

- This release supercedes all previous versions of CONVEX C3400/P5500 Series Processor Diagnostics and Database.
- The installation of the release results in overwriting the following directories prior to loading the V1.4 files from the release tape:
 - /mnt/bin
 - /mnt/usr
 - /mnt/data
 - /mnt/test
 - /mnt/man
- Note, this release requires the CONVEX C200/C3200/C3400 Series I/O Diagnostics tape V1.0 or greater be co-installed on the system.
- This release of CONVEX C3400/P5500 Series Processor Diagnostics and Database contains the V3.53 release of CONVEX C3400/P5500 microcode for the 410-001236-200 JCPU boards and the V5.28 release of the CONVEX C3400/P5500 microcode for the 410-002236-200, 410-003236-200, 410-004236-200, and 410-005236-200 JCPU boards.
- This release also requires the V6.1 (or later) release of CONVEX SPU OS. To support the installation of IDC (Integrated Disk Channel) ccu, the V6.1 (or later) release of CONVEX SPU OS is required.
- This release should only be installed by a qualified CONVEX Field Service representative. Please see Appendix A for installation details.

4. Enhancements

Utilities

None.

Test Programs

None.

Microcode

None.

5. Fixes

Utilities

Fixed sysreset to disable hard and soft error interrupts during the boot sequence. Before this fix spurious SPU-OS error messages would appear during the boot sequence when data was being moved through the scan ring and the interrupts were still enabled from a previous process.

Test Programs

- Fixed the problem with cpu4041 and cpu4241 chain mode parallel testing taking a long time to finish.

Microcode

None.

6. Known Software Problems

Utilities

- After performing a `cop` or `load_clk` on a JCPU board the control stores must be reloaded.

Test Programs

The following are the known bugs that exist in the diagnostics that have been released for the V1.4 shipment.

Test Suite	Subtest Errors
cpu4241	Note: These tests take a bodaciously long time to run with the <code>v1</code> set to any value greater than 8.
cpu4041	Note: For 410-001236-200 JCPU boards increase the time delay to 10 in all cases.

7. Known Hardware Problems

On 410-001236-200 JCPU boards there is a logic bug in the scalar processor which causes arithmetic error traps to be delayed to subroutine boundaries.

8. Known Documentation Problems

There are no known documentation problems for this release.

9. New Documentation

There is no new documentation for this release.

Installing CONVEX C3400/P5500 Series Processor Diagnostics and Database V1.4

Warnings

This section contains generally useful information or words of caution about the product.

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- This release also requires the V6.1 (or later) release of CONVEX SPU OS. To support the installation of IDC (Integrated Disk Channel) ccu, the V6.1 (or later) release of CONVEX SPU OS is required.
- This release should only be installed by a qualified CONVEX Field Service representative.

Installation Procedure

1. If CONVEX SPU OS is already booted, go to step 5.
2. Place the front panel key switch in the *local* position and depress the system reset button to boot CONVEX SPU OS.
3. The soft front panel menu will be displayed. Change the mode to diagnostics and continue the boot process by entering the following commands at the (fp)> prompt:

```
(fp)> set mode=diagnostic (or sm=d)
(fp)> boot (or b)
```

4. The CONVEX SPU OS bootstrap routine will prompt with:

CONVEX SPU OS boot

:

You should enter a carriage return <CR> in response to the prompt. CONVEX SPU OS will now boot and prompt with **(spu)>** when boot is complete.

NOTE: A file system check is performed during the boot procedure. If errors are detected in the file system, they will be corrected if possible. If it is not possible to automatically correct the errors, then you will be requested to execute */etc/fsck* manually to correct these errors before proceeding.

5. Place the CONVEX C3400/P5500 Series Processor Diagnostics and Database V1.4 tape (760-003515-010) in the cartridge tape unit and enter the following command:

```
(spu)> /etc/installsw -i
```

The installation of this release requires about 30 minutes.

6. A log of all tar operations is saved in */tmp/installsw.tar*. and should be removed as follows:

```
(spu)> rm /tmp/installsw.tar
```

7. After installation is complete, remove the tape from the cartridge tape unit.
8. Place the CONVEX C200/C3200/C3400 Series I/O Diagnostics tape (760-004215-00x) in the cartridge tape unit and install the tape per the instructions in the CONVEX C200/C3200/C3400 I/O Diagnostics Release Notes (760-006730-00x).
9. After installation is complete, remove the tape from the cartridge tape unit.
10. If the desired mode of operation is diagnostic mode, then this step may be skipped. Otherwise, return to the soft front panel via the */etc/reboot* command:

```
(spu)> /etc/reboot
```

Change the mode of operation setting to the *desired-mode*. Use the soft front panel *help* command if you need assistance.

```
(fp)> set mode=desired-mode
```

Place the front panel key switch in the *secure* position and enter the *boot* command to reboot the system:

```
(fp)> boot (or b)
```

11. This completes the installation of CONVEX C3400/P5500 Series Processor Diagnostics and Database. Note that the machine is automatically set up to the maximum configuration. All installed CPU's will be enabled and initialized.

B

Files list

The following is the *installsw* output from making the V1.4 Processor Diagnostics and Database tape.

Files list

The following is the *installsw* output from making the V1.4 Processor Diagnostics and Database tape.

```
installsw -f spu_in_file -d spu:/dev/rmt1
```

```
=====
a /tmp/install1 1 blocks
a /tmp/install2 5 blocks
a mnt/bin/CPU/mminit.x00 34 blocks
a mnt/bin/bkplane 22 blocks
a mnt/bin/commreg 415 blocks
a mnt/bin/config_chk 202 blocks
a mnt/bin/cop 325 blocks
a mnt/bin/cpureg 300 blocks
a mnt/bin/cpuvreg 344 blocks
a mnt/bin/cs 409 blocks
a mnt/bin/dcache 241 blocks
a mnt/bin/.diaginit 7 blocks
a mnt/bin/dshell 88 blocks
a mnt/bin/dump_winq 227 blocks
a mnt/bin/errintd 366 blocks
a mnt/bin/hard_logger 489 blocks
a mnt/bin/hwlog 205 blocks
a mnt/bin/icache 240 blocks
a mnt/bin/initall 3 blocks
a mnt/bin/ipte_cache 231 blocks
a mnt/bin/isen 539 blocks
a mnt/bin/jcpu_custom 169 blocks
a mnt/bin/load_clk 342 blocks
a mnt/bin/look 29 blocks
a mnt/bin/man 45 blocks
a mnt/bin/map 302 blocks
a mnt/bin/margin 207 blocks
a mnt/bin/mcm3_config 426 blocks
a mnt/bin/memld 383 blocks
a mnt/bin/mi_func 259 blocks
a mnt/bin/secure 1 blocks
a mnt/bin/disable_cpu 1 blocks
a mnt/bin/disable_rt_cpu 1 blocks
a mnt/bin/enable_cpu 1 blocks
a mnt/bin/enable_rt_cpu 1 blocks
a mnt/bin/mkdiag_db 203 blocks
```

a mnt/bin/mm 676 blocks
a mnt/bin/mm_sniff 92 blocks
a mnt/bin/mmap 83 blocks
a mnt/bin/mmap_mcm3 85 blocks
a mnt/bin/mminit 738 blocks
a mnt/bin/pte_cache 240 blocks
a mnt/bin/pup 213 blocks
a mnt/bin/RC_Talk 25 blocks
a mnt/bin/RC_Xfer 57 blocks
a mnt/bin/reset_cpus 167 blocks
a mnt/bin/scn_ring 306 blocks
a mnt/bin/scn_util 600 blocks
a mnt/bin/scnlink 114 blocks
a mnt/bin/sfpread 49 blocks
a mnt/bin/sp2util 174 blocks
a mnt/bin/sram 282 blocks
a mnt/bin/syshalt 162 blocks
a mnt/bin/sysreset 591 blocks
a mnt/bin/version 43 blocks
a mnt/bin/x 28 blocks
a mnt/data/rt.dat 259 blocks
a mnt/man/cat1/Intro.1 3 blocks
a mnt/man/cat1/Intro.1d 4 blocks
a mnt/man/cat1/adb.1 35 blocks
a mnt/man/cat1/awk.1 15 blocks
a mnt/man/cat1/cat.1 2 blocks
a mnt/man/cat1/cd.1 2 blocks
a mnt/man/cat1/chmod.1 6 blocks
a mnt/man/cat1/cmp.1 3 blocks
a mnt/man/cat1/commreg.1d 10 blocks
a mnt/man/cat1/config_chk.1d 4 blocks
a mnt/man/cat1/cop.1d 15 blocks
a mnt/man/cat1/cp.1 2 blocks
a mnt/man/cat1/cpureg.1d 7 blocks
a mnt/man/cat1/cpuvreg.1d 7 blocks
a mnt/man/cat1/cs.1d 16 blocks
a mnt/man/cat1/date.1 8 blocks
a mnt/man/cat1/dcache.1d 7 blocks
a mnt/man/cat1/dd.1 8 blocks
a mnt/man/cat1/df.1 2 blocks
a mnt/man/cat1/diaginit.1d 6 blocks
a mnt/man/cat1/diskfmt.1d 11 blocks
a mnt/man/cat1/dshell.1d 18 blocks
a mnt/man/cat1/echo.1 2 blocks
a mnt/man/cat1/errintd.1d 10 blocks
a mnt/man/cat1/fs.1d 12 blocks
a mnt/man/cat1/grep.1 9 blocks
a mnt/man/cat1/hard_logger.1d 7 blocks
a mnt/man/cat1/icache.1d 6 blocks
a mnt/man/cat1/initall.1d 4 blocks
a mnt/man/cat1/ipcs_server.1d 2 blocks
a mnt/man/cat1/iscn.1d 2 blocks
a mnt/man/cat1/kermit.1 37 blocks
a mnt/man/cat1/kill.1 3 blocks
a mnt/man/cat1/lf.1 0 blocks
a mnt/man/cat1/ll.1 0 blocks
a mnt/man/cat1/ln.1 3 blocks
a mnt/man/cat1/ls.1 14 blocks
a mnt/man/cat1/man.1d 5 blocks

a mnt/man/cat1/map.1d 4 blocks
a mnt/man/cat1/margin.1d 11 blocks
a mnt/man/cat1/memld.1d 5 blocks
a mnt/man/cat1/mkdiag_db.1d 9 blocks
a mnt/man/cat1/mkdir.1 2 blocks
a mnt/man/cat1/mm.1d 25 blocks
a mnt/man/cat1/mm_sniff.1d 4 blocks
a mnt/man/cat1/mminit.1d 22 blocks
a mnt/man/cat1/more.1 3 blocks
a mnt/man/cat1/mt.1 6 blocks
a mnt/man/cat1/mv.1 3 blocks
a mnt/man/cat1/clear.1 2 blocks
a mnt/man/cat1/od.1 8 blocks
a mnt/man/cat1/proctype.1 2 blocks
a mnt/man/cat1/prof.1 4 blocks
a mnt/man/cat1/ps.1 7 blocks
a mnt/man/cat1/pte_cache.1d 7 blocks
a mnt/man/cat1/pup.1d 3 blocks
a mnt/man/cat1/pwd.1 1 blocks
a mnt/man/cat1/reset.1 3 blocks
a mnt/man/cat1/rm.1 4 blocks
a mnt/man/cat1/scn_ring.1d 4 blocks
a mnt/man/cat1/scn_util.1d 12 blocks
a mnt/man/cat1/scnlink.1d 7 blocks
a mnt/man/cat1/sfpread.1d 3 blocks
a mnt/man/cat1/sh.1 48 blocks
a mnt/man/cat1/sleep.1 2 blocks
a mnt/man/cat1/sort.1 10 blocks
a mnt/man/cat1/sp2util.1d 19 blocks
a mnt/man/cat1/stty.1 6 blocks
a mnt/man/cat1/bkplane.1d 2 blocks
a mnt/man/cat1/sysreset.1d 7 blocks
a mnt/man/cat1/tail.1 3 blocks
a mnt/man/cat1/tar.1 11 blocks
a mnt/man/cat1/tee.1 2 blocks
a mnt/man/cat1/test.1 5 blocks
a mnt/man/cat1/time.1 2 blocks
a mnt/man/cat1/true.1 2 blocks
a mnt/man/cat1/uptime.1 2 blocks
a mnt/man/cat1/version.1d 10 blocks
a mnt/man/cat1/vi.1 7 blocks
a mnt/man/cat1/vp_scn.1d 12 blocks
a mnt/man/cat1/which.1 2 blocks
a mnt/man/cat1/x.1d 3 blocks
a mnt/man/cat1/xed.1 37 blocks
a mnt/man/cat1/secure.1d 4 blocks
a mnt/man/cat1/clk_tune.1d 3 blocks
a mnt/man/cat1/dump_wcs.1d 2 blocks
a mnt/man/cat1/mcm3_config.1d 4 blocks
a mnt/man/cat1/hex2wcs.1d 3 blocks
a mnt/man/cat1/csh.1 145 blocks
a mnt/man/cat1/less.1 62 blocks
a mnt/man/cat1/ipte_cache.1d 7 blocks
a mnt/man/cat1/jcpu_custom.1d 5 blocks
a mnt/man/cat1/load_clk.1d 4 blocks
a mnt/man/cat1/reset_cpus.1d 3 blocks
a mnt/man/cat1/sram.1d 3 blocks
a mnt/man/cat4/Intro.4 3 blocks
a mnt/man/cat4/ct.4 11 blocks

a mnt/man/cat4/dk.4 11 blocks
a mnt/man/cat4/mem.4 2 blocks
a mnt/man/cat4/mtio.4 10 blocks
a mnt/man/cat4/null.4 1 blocks
a mnt/man/cat4/tty.4 46 blocks
a mnt/man/cat4/wndw.4 13 blocks
a mnt/man/cat5/DB_cop.5d 3 blocks
a mnt/man/cat5/DB_diskfmt.5d 8 blocks
a mnt/man/cat5/b.out.5 16 blocks
a mnt/man/cat5/backup.5 14 blocks
a mnt/man/cat5/controllers.5d 2 blocks
a mnt/man/cat5/core.5 3 blocks
a mnt/man/cat5/dir.5 3 blocks
a mnt/man/cat5/environ.5 3 blocks
a mnt/man/cat5/filsys.5 19 blocks
a mnt/man/cat5/fstab.5 8 blocks
a mnt/man/cat5/group.5 2 blocks
a mnt/man/cat5/ioconfig.5d 20 blocks
a mnt/man/cat5/mtab.5 2 blocks
a mnt/man/cat5/passwd.5 3 blocks
a mnt/man/cat5/softlog.5d 9 blocks
a mnt/man/cat5/tar.5 8 blocks
a mnt/man/cat5/termcap.5 56 blocks
a mnt/man/cat5/ttys.5 3 blocks
a mnt/man/cat5/ttytype.5 2 blocks
a mnt/man/cat5/types.5 4 blocks
a mnt/man/cat7/Intro.7 1 blocks
a mnt/man/cat7/ascii.7 4 blocks
a mnt/man/cat7/hier.7 7 blocks
a mnt/man/cat8/Intro.8 1 blocks
a mnt/man/cat8/backup.8 10 blocks
a mnt/man/cat8/bootchk.8 2 blocks
a mnt/man/cat8/cleanup.8 2 blocks
a mnt/man/cat8/fasthalt.8 2 blocks
a mnt/man/cat8/format.8 14 blocks
a mnt/man/cat8/fsck.8 16 blocks
a mnt/man/cat8/getty.8 4 blocks
a mnt/man/cat8/init.8 5 blocks
a mnt/man/cat8/installsw.8 28 blocks
a mnt/man/cat8/mkfs.8 7 blocks
a mnt/man/cat8/mklost+found.8 2 blocks
a mnt/man/cat8/mknod.8 2 blocks
a mnt/man/cat8/mount.8 4 blocks
a mnt/man/cat8/pstat.8 11 blocks
a mnt/man/cat8/pwrdown.8 2 blocks
a mnt/man/cat8/reboot.8 12 blocks
a mnt/man/cat8/sync.8 1 blocks
a mnt/man/cat8/update.8 2 blocks
a mnt/man/man.index 5 blocks
a mnt/man/whatis 16 blocks
a mnt/sos/bin/diff.right 25 blocks
a mnt/sos/bin/marg 29 blocks
a mnt/sos/bin/pass_chkC 50 blocks
a mnt/sos/sos.sh/beep 1 blocks
a mnt/sos/sos.sh/define.uuts 2 blocks
a mnt/sos/sos.sh/reporter.sh 1 blocks
a mnt/sos/sos.sh/script_lister 1 blocks
a mnt/sos/scripts/CPU 1 blocks
a mnt/sos/scripts/CPU-QUICK 1 blocks

a mnt/sos/scripts/INSTALL 1 blocks
a mnt/sos/scripts/IO 1 blocks
a mnt/sos/scripts/MEMORY 1 blocks
a mnt/sos/scripts/cuj_scr 1 blocks
a mnt/sos/scripts/jav_day 1 blocks
a mnt/sos/scripts/jav_iox 1 blocks
a mnt/sos/scripts/jav_mcm 1 blocks
a mnt/sos/scripts/jav_nite 3 blocks
a mnt/sos/scripts/jav_scr 1 blocks
a mnt/sos/scripts/jav_slot 1 blocks
a mnt/sos/sos 155 blocks
a mnt/sos/scroll 1 blocks
a mnt/test/CPU/cpu4030.ldr 435 blocks
a mnt/test/CPU/p0r0_4030.ldr 26 blocks
a mnt/test/CPU/p0rN_4030.ldr 9 blocks
a mnt/test/CPU/pccarry_4030.ldr 17 blocks
a mnt/test/CPU/wrapl_4030.ldr 9 blocks
a mnt/test/CPU/wrapu_4030.ldr 9 blocks
a mnt/test/CPU/cpu4041.ldr 1609 blocks
a mnt/test/CPU/p0r0_4041.ldr 30 blocks
a mnt/test/CPU/p0rN_4041.ldr 9 blocks
a mnt/test/CPU/cpu4241.ldr 4029 blocks
a mnt/test/CPU/p0r0_4241.ldr 58 blocks
a mnt/test/CPU/p0rN_4241.ldr 9 blocks
a mnt/test/CPU/cpu4331.ldr 862 blocks
a mnt/test/CPU/p0r0_4331.ldr 44 blocks
a mnt/test/CPU/p0rN_4331.ldr 47 blocks
a mnt/test/CPU/segment7.ldr 9 blocks
a mnt/test/CPU/st_323_spt.ldr 1 blocks
a mnt/test/CPU/support_4331.ldr 43 blocks
a mnt/test/CPU/cpu4332.ldr 1411 blocks
a mnt/test/CPU/p0r0_4332.ldr 28 blocks
a mnt/test/CPU/cpu4333.ldr 628 blocks
a mnt/test/CPU/p0rN_4332.ldr 9 blocks
a mnt/test/CPU/p0r0_4333.ldr 62 blocks
a mnt/test/CPU/p0rN_4333.ldr 9 blocks
a mnt/test/CPU/support_4x33.ldr 1 blocks
a mnt/test/CPU/mem4100.x00 29 blocks
a mnt/test/CPU/mem4100.x01 29 blocks
a mnt/test/tables/cpu4030_cl.o.ldr 17 blocks
a mnt/test/tables/cpu4030_st.o.ldr 28 blocks
a mnt/test/tables/cpu4041_cl.o.ldr 17 blocks
a mnt/test/tables/cpu4041_st.o.ldr 39 blocks
a mnt/test/tables/cpu4041_tm.o.ldr 17 blocks
a mnt/test/tables/cpu4241_cl.o.ldr 17 blocks
a mnt/test/tables/cpu4241_st.o.ldr 105 blocks
a mnt/test/tables/cpu4241_tm.o.ldr 33 blocks
a mnt/test/tables/cpu4331_cl.o.ldr 17 blocks
a mnt/test/tables/cpu4331_st.o.ldr 28 blocks
a mnt/test/tables/cpu4331_tm.o.ldr 17 blocks
a mnt/test/tables/cpu4332_tm.o.ldr 17 blocks
a mnt/test/tables/cpu4333_cl.o.ldr 17 blocks
a mnt/test/tables/cpu4333_st.o.ldr 36 blocks
a mnt/test/tables/cpu4333_tm.o.ldr 17 blocks
a mnt/test/tables/cpu4332_st.o.ldr 18 blocks
a mnt/test/tables/cpu4332_cl.o.ldr 17 blocks
a mnt/test/cpu4XXX.t 926 blocks
a mnt/test/mem4100.t 1052 blocks
a mnt/test/pi2_4000.t 469 blocks

a mnt/test/pi2_4000.x00 282 blocks
a mnt/test/spu4000.t 775 blocks
a mnt/test/cpu4030.t link to mnt/test/cpu4XXX.t
a mnt/test/cpu4041.t link to mnt/test/cpu4XXX.t
a mnt/test/cpu4331.t link to mnt/test/cpu4XXX.t
a mnt/test/cpu4332.t link to mnt/test/cpu4XXX.t
a mnt/test/cpu4241.t link to mnt/test/cpu4XXX.t
a mnt/test/cpu4333.t link to mnt/test/cpu4XXX.t
a mnt/usr/ucode/cs_rev_info 1 blocks
a mnt/usr/lib/DB_cop_proc 5 blocks
a mnt/usr/scn/lmcm3_rev1 23 blocks
a mnt/usr/scn/lmcm3_rev2 23 blocks
a mnt/usr/scn/lmcm_rev1 14 blocks
a mnt/usr/scn/lmcm_rev2 14 blocks
a mnt/usr/scn/mcm2_rev1 95 blocks
a mnt/usr/scn/mcm3_rev1 161 blocks
a mnt/usr/scn/mcm3_rev2 161 blocks
a mnt/usr/scn/mcm3_rev3 162 blocks
a mnt/usr/scn/mcm_rev1 91 blocks
a mnt/usr/scn/mcm_rev2 95 blocks
a mnt/usr/scn/tmcm3_rev1 32 blocks
a mnt/usr/scn/tmcm3_rev2 33 blocks
a mnt/usr/scn/lpi2_rev1 1 blocks
a mnt/usr/scn/lpi2_rev2 10 blocks
a mnt/usr/scn/lpi2_rev3 10 blocks
a mnt/usr/scn/opi2_rev1 39 blocks
a mnt/usr/scn/opi2_rev2 39 blocks
a mnt/usr/scn/opi2_rev3 39 blocks
a mnt/usr/scn/pi2_rev1 100 blocks
a mnt/usr/scn/pi2_rev2 101 blocks
a mnt/usr/scn/pi2_rev3 101 blocks
a mnt/usr/scn/iop_rev1 18 blocks
a mnt/usr/scn/viop_rev1 18 blocks
a mnt/usr/scn/tli_rev1 164 blocks
a mnt/usr/scn/hsp_rev1 8 blocks
a mnt/usr/scn/idc_rev1 296 blocks
a mnt/usr/scn/cuj_rev1 59 blocks
a mnt/usr/scn/lcuj_rev1 2 blocks
a mnt/usr/scn/jcpu_rev1 1418 blocks
a mnt/usr/scn/jcpur_rev1 1587 blocks
a mnt/usr/scn/jcpul_rev1 191 blocks
a mnt/usr/scn/jcpul_rev99 191 blocks
a mnt/usr/scn/jcpu_rev99 1377 blocks
a mnt/usr/scn/jcpur_rev99 1546 blocks
a mnt/usr/ucode.1236/ip.wcs 89 blocks
a mnt/usr/ucode.1236/sr.wcs 44 blocks
a mnt/usr/ucode.1236/ua.wcs 23 blocks
a mnt/usr/ucode.1236/ul.wcs 18 blocks
a mnt/usr/ucode.1236/um.wcs 23 blocks
a mnt/usr/ucode.1236/us_0.wcs 177 blocks
a mnt/usr/ucode.1236/us_1.wcs 177 blocks
a mnt/usr/ucode.1236/us_2.wcs 177 blocks
a mnt/usr/ucode.1236/vd.wcs 20 blocks
a mnt/usr/ucode.2236/ip.wcs 89 blocks
a mnt/usr/ucode.2236/sr.wcs 46 blocks
a mnt/usr/ucode.2236/us_0.wcs 177 blocks
a mnt/usr/ucode.2236/us_1.wcs 177 blocks
a mnt/usr/ucode.2236/us_2.wcs 177 blocks
a mnt/usr/ucode.2236/ua.wcs 23 blocks

a mnt/usr/ucode.2236/um.wcs 23 blocks
a mnt/usr/ucode.2236/ul.wcs 18 blocks
a mnt/usr/ucode.2236/vd.wcs 21 blocks
a mnt/usr/ucode.2236RT/ip.wcs 89 blocks
a mnt/usr/ucode.2236RT/sr.wcs 45 blocks
a mnt/usr/ucode.2236RT/us_0.wcs 177 blocks
a mnt/usr/ucode.2236RT/us_1.wcs 177 blocks
a mnt/usr/ucode.2236RT/us_2.wcs 177 blocks
a mnt/usr/ucode.2236RT/ua.wcs 23 blocks
a mnt/usr/ucode.2236RT/um.wcs 23 blocks
a mnt/usr/ucode.2236RT/ul.wcs 18 blocks
a mnt/usr/ucode.2236RT/vd.wcs 21 blocks
a hw/cputest/test/ctl_1000/wr1 9 blocks
a hw/cputest/test/ctl_1000/wr19 10 blocks
a hw/cputest/test/ctl_1000/wr3 8 blocks
a hw/cputest/test/ctl_1000/wr5 8 blocks
a hw/cputest/test/ctl_1000/wr51 9 blocks
a hw/cputest/test/ctl_1000/wr64 11 blocks
a hw/cputest/test/ctl_1000/wr8 9 blocks
a hw/cputest/test/ctl_1000/wr9 9 blocks
a hw/cputest/test/ctl_1000/chk_commbus 12 blocks
a hw/cputest/test/ctl_1000/read_timers 8 blocks
a hw/cputest/test/ctl_1000/ctl_1000 1 blocks
a hw/cputest/test/ctl_1000/ctl_1000.t 1 blocks
a hw/cputest/test/ctl_2000/ctl_2000.t 2 blocks
a hw/cputest/test/ctl_2000/ctlreg2.lib 5 blocks
a hw/cputest/test/ctl_2000/clear_lock 6 blocks
a hw/cputest/test/ctl_2000/decrement 12 blocks
a hw/cputest/test/ctl_2000/only 10 blocks
a hw/cputest/test/ctl_2000/read_timers2 8 blocks
a hw/cputest/test/ctl_2000/timeoff 6 blocks
a hw/cputest/test/ctl_2000/toc 2 blocks
a hw/cputest/test/ctl_2000/underflow 23 blocks
a hw/cputest/test/ctl_2000/ctl_2000 1 blocks
a hw/cputest/test/ctl_2000/ctl_2000.n 1 blocks
a hw/cputest/test/ctl_2000/ctl_2000.t.n 2 blocks
a hw/cputest/test/proc_1000/chk_wait1 5 blocks
a hw/cputest/test/proc_1000/best_idle 14 blocks
a hw/cputest/test/proc_1000/best_rt 15 blocks
a hw/cputest/test/proc_1000/best_xist 8 blocks
a hw/cputest/test/proc_1000/pend_rgp 9 blocks
a hw/cputest/test/proc_1000/chk_wait2 5 blocks
a hw/cputest/test/proc_1000/proctrap 15 blocks
a hw/cputest/test/proc_1000/pend_ion 8 blocks
a hw/cputest/test/proc_1000/best_le 11 blocks
a hw/cputest/test/proc_1000/be_bad 9 blocks
a hw/cputest/test/proc_1000/le_eq10 9 blocks
a hw/cputest/test/proc_1000/pend_ge 9 blocks
a hw/cputest/test/proc_1000/proc_1000 1 blocks
a hw/cputest/test/proc_1000/proc_1000.t 1 blocks
a hw/cputest/test/proc_1000/best_le.n 11 blocks
a hw/cputest/test/proc_1000/proc_1000.n 1 blocks
a hw/cputest/test/proc_1000/proc_1000.t.n 1 blocks
a hw/cputest/test/proc_1010/chk_wait2.rt 5 blocks
a hw/cputest/test/proc_1010/best_idle.rt 11 blocks
a hw/cputest/test/proc_1010/best_xist.rt 8 blocks
a hw/cputest/test/proc_1010/chk_wait1.rt 5 blocks
a hw/cputest/test/proc_1010/pend_rgp.rt 11 blocks
a hw/cputest/test/proc_1010/be_bad.rt 11 blocks

a hw/cputest/test/proc_1010/le_eq10.rt 11 blocks
a hw/cputest/test/proc_1010/pend_ge.rt 11 blocks
a hw/cputest/test/proc_1010/pend_ion.rt 10 blocks
a hw/cputest/test/proc_1010/proctrp.rt 15 blocks
a hw/cputest/test/proc_1010/proc_1010 1 blocks
a hw/cputest/test/proc_1010/proc_1010.t 1 blocks
a hw/cputest/test/proc_2000/proc_2000.t 2 blocks
a hw/cputest/test/proc_2000/proc2.lib 3 blocks
a hw/cputest/test/proc_2000/all_nrt_sib 4 blocks
a hw/cputest/test/proc_2000/all_ext 2 blocks
a hw/cputest/test/proc_2000/all_rt_sib 4 blocks
a hw/cputest/test/proc_2000/send_ext 4 blocks
a hw/cputest/test/proc_2000/send_nrt_sib 4 blocks
a hw/cputest/test/proc_2000/send_rt_sib 4 blocks
a hw/cputest/test/proc_2000/send_tim 5 blocks
a hw/cputest/test/proc_2000/clear_rgp 3 blocks
a hw/cputest/test/proc_2000/nrt_int_req 5 blocks
a hw/cputest/test/proc_2000/rt_int_req 5 blocks
a hw/cputest/test/proc_2000/proc_2000 1 blocks
a hw/cputest/test/proc_2000/clear_rgp.n 3 blocks
a hw/cputest/test/proc_2000/proc_2000.n 1 blocks
a hw/cputest/test/proc_2000/proc_2000.t.n 1 blocks
a hw/cputest/test/README 5 blocks
a hw/cputest/test/carb_tst 1 blocks
a hw/cputest/test/carb_tst_iscn 1 blocks
a hw/cputest/test/cuj_carb_tst 28 blocks
a hw/cputest/test/cuj_ddlk_tst 41 blocks
a hw/cputest/test/cuj_par_tst 46 blocks
a hw/cputest/test/cuj_scan 1 blocks
a hw/cputest/test/cuj_sib_tst 14 blocks
a hw/cputest/test/ddlk_db 9 blocks
a hw/cputest/test/ddlk_tst 1 blocks
a hw/cputest/test/ddlk_tst_iscn 1 blocks
a hw/cputest/test/c_arb_db 3 blocks
a hw/cputest/test/par_tst 1 blocks
a hw/cputest/test/par_tst_iscn 1 blocks
a hw/cputest/test/sib_tst 1 blocks
a hw/cputest/test/sib_tst_iscn 1 blocks
a hw/cputest/test/carb_tst.n 1 blocks
a hw/cputest/test/carb_tst_iscn. 1 blocks
a hw/cputest/test/cuj_carb_tst.n 23 blocks
a hw/cputest/test/cuj_ddlk_tst.n 38 blocks
a hw/cputest/test/cuj_scan.nrt 2 blocks
a hw/cputest/test/cuj_scan.rt 2 blocks
a hw/cputest/test/ddlk_tst.n 1 blocks
a hw/cputest/test/ddlk_tst_iscn.n 1 blocks
a hw/cputest/test/sib_tst.n 1 blocks
a hw/cputest/test/sib_tst_iscn.n 1 blocks
a hw/cputest/test/cuj_type 1 blocks
a hw/cputest/test/ddlk_tst_iscn. 1 blocks
a hw/cputest/ip_func 17 blocks
a hw/cputest/mcms_scr 31 blocks
a hw/cputest/vc_func 10 blocks
a hw/cputest/se_func 53 blocks
a hw/cputest/halt_off 1 blocks
a hw/cputest/hang 38 blocks
a hw/cputest/sys 1 blocks
a hw/cputest/mcm_func 45 blocks
a hw/cputest/mi_func2 7 blocks

a hw/cputest/load 8 blocks
a hw/cputest/README 3 blocks
a hw/cputest/mi_func 89 blocks
a hw/cputest/misc_func 15 blocks
a hw/cputest/mcm_scr 35 blocks
a hw/cputest/pi2_func 40 blocks
a hw/cputest/hwdump 1 blocks
a hw/cputest/hwdump_iscn 8 blocks
a doc/README 87 blocks

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** Installsw Header File Copy **

Product: C3400/5500 System Diagnostics and Database, Version: V1.4

Release date: August 26, 1992

Directories: /mnt/bin, /mnt/test, /mnt/usr, /hw/cputest
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