

Index

A

- AC power
 - switch, 11-3
- access, internal, 12-2
- assembly drawing *See* illustrated parts breakdown
- auxiliary fan tray
 - remove, E-3 to E-5
 - replace, E-5

B

- bezel
 - front
 - remove, E-6 to E-7
 - replace, E-23
- board
 - clock, 5-1, B-10
 - configuration in card cage, D-1
 - CPU/Memory, 3-1, B-4
 - filler panel, 3-2
 - I/O, 4-1, B-6
 - FFB, B-8
 - install, 4-13
 - releasing, 4-11
 - removing, 4-10
 - types, B-2
- boot message, 11-6

C

- cabinet, expansion, B-12
- cable assembly
 - CD tray data
 - remove, E-10
 - replace, E-10
 - CD tray power
 - remove, E-10
 - replace, E-10
 - configuration, D-5
 - external, 11-3
- card
 - fibre, 4-27
 - graphics (UPA), 4-23
 - retainer, SBus, 4-20, 4-26
- card cage
 - configuration, 8-7, D-1
- CD-ROM, 7-2
 - SCSI target ID number, C-1
 - tray, D-6
- centerplane
 - remove, E-18 to E-20
 - replace, E-20 to E-22
- clock board, B-10
 - description, 5-1
 - LED codes, 8-4
- configuration boards

- CPU/Memory, D-3
- filler, D-3
- I/O, D-2
- card cage, 8-7, D-1
- Ethernet, D-5
- memory modules, D-4
- power supplies, D-3
- rules for system, D-1 to D-5
- SBus cards, D-4
- SCSI, D-5
- UltraSPARC modules, D-4
- cooling and power issues
 - CPU/Memory board, 3-9
- CPU/Memory board, B-4
 - components, 3-1
 - configuration, D-3
 - hot-plug, 3-3
 - LED codes, 8-4
 - module descriptions, D-4

D

- description
 - boards
 - CPU/Memory, 3-1
 - I/O, 4-4
 - functional, B-1
 - OpenBoot, 8-10
 - POST, 8-10
 - power supplies, 6-1
 - disable Link Integrity Test, 4-21
 - disk drive, 7-5, B-11
 - caution, 11-5
 - tray
 - configuration, D-6
 - drawing, assembly *See* illustrated parts breakdown
 - drive
 - disk, 7-5, B-11
 - tape and CD-ROM, 7-1
 - test manually, 11-5
 - DSBE/S card
 - preparing, 4-20
 - DWIS/S card
 - preparing, 4-20

E

- electrical specification, A-2
- enable Link Integrity Test, 4-21
- environmental requirements, A-3
- Ethernet, configuration, D-5
- expansion cabinet, B-12
- external cables, 11-3

F

- fan tray
 - auxiliary
 - remove, E-3 to E-5
 - replace, E-5
 - remove, E-2 to E-3
 - replace, E-3
- FFB I/O board, B-8
- fibre card, 4-27
- filler panel, 3-2, 4-2
 - configuration, D-3
 - SBus card, 4-22, 4-26
- front bezel
 - remove, E-6 to E-7
 - replace, E-23
- front decorative panel
 - LED codes (table), 8-4
 - remove, E-8 to E-10
 - replace, E-22, E-23
- functional description, B-1

G

- graphics (UPA) card, 4-23

H

- halting the system, 5-6
- hot-plug
 - CPU/Memory board, 3-3
 - I/O board, 4-4
 - procedures, B-3
 - servicing components, 12-1

I

- I/O board, 4-1, B-6
 - configuration, D-2
 - cooling and power, 4-13
 - description, 4-4
 - handling, 4-2
 - hot-plug, 4-4
 - installation, 4-13
 - SBus version, B-7
 - slot selection, 4-13
 - termination, 4-3
- illustrated parts breakdown, table, F-2 to F-3
- installation
 - I/O board, 4-13
 - SBus card, 4-19
- interface, network, B-11
- internal
 - access, 12-2
 - options, 1-3

K

- key switch
 - lock assembly
 - remove, E-14 to E-15
 - replace, E-16
 - PWB centerplane assembly
 - remove, E-11 to E-13
 - replace, E-13 to E-14

L

- LED
 - board
 - remove, E-17
 - replace, E-17 to E-18
 - clock board, 8-4
 - CPU/Memory board, 8-4
 - disk tray, 8-7
 - indicators, 8-3
 - power supplies, 8-6
- link integrity test
 - description of, 4-5
 - enabling and disabling, 4-21

- loss of carrier message, 4-21

M

- master, system, B-5
- memory module, 3-15, B-5
 - configuration, D-4
- message
 - boot, 11-6
 - not responding, 4-21
- module
 - memory, SIMM, B-5, D-4
 - power/cooling (PDM), B-8
 - UltraSPARC, 3-10, B-4
 - configuration, D-4

N

- network interface, B-11
- not responding message, 4-21

O

- OpenBoot, description, 8-10
- options, internal, 1-3
- overview
 - system, 1-1
 - troubleshooting, 8-1

P

- panel
 - front decorative
 - remove, E-8 to E-10
 - replace, E-22, E-23
 - side
 - remove, E-6 to E-7
 - replace, E-23
- parts, illustrated *See* illustrated parts breakdown
- PCM. *See* power/cooling module
- peripheral power supply, B-9
 - description, 6-3
 - LEDs, 8-6
 - replace, 6-5 to 6-7

physical specification, A-1

POST

description, 8-10

LEDs

front panel, 11-5

restart, 11-5

power

off, system, 11-1

on, system, 11-4

power supply

configuration, D-3

description, 6-1

LED codes, 8-6

PCM

description, 6-8 to 6-9, B-8

LED codes (table), 8-6

replace, 6-10 to 6-13

troubleshooting, 6-9

peripheral, B-9

description, 6-3

LEDs, 8-6

replace, 6-5 to 6-7

power/cooling module

description, 6-8 to 6-9

LED codes (table), 8-6

replace, 6-10 to 6-13

troubleshooting, 6-9

precautions

safety, 2-1

system, 10-4

preparing

DSBE/S card, 4-20

DWIS/S card, 4-20

for service, 12-1

new SBus card, 4-19

probe-scsi command, 8-11

prtdiag command, 8-9

R

releasing the board, 4-11, 4-12, 5-6

remove

board, 4-10

SBus card, 4-17

filler panel, 4-22, 4-26

SCSI tray, 12-3

TOD NVRAM, 5-7

replace

I/O board, 4-13

reset

switch, initiate POST, 8-2, 11-5

restart

POST, 11-5

system, 11-4

S

safety precautions, 2-1, 10-1

SBus card

configuration, D-4

filler panel, 4-22, 4-26

installation, 4-19

preparation, 4-19

remove, 4-17

retainer, 4-20, 4-26

SBus I/O board, B-7

test manually, 11-5

SCSI

cable configuration, C-3, D-5

devices, 7-1

termination, C-3

I/O board, 4-3

tray

remove, 12-3, E-8 to E-10

replace, E-22

target ID numbers, C-1

setup, terminal, 8-1

shut down, system, 11-1

side panel

remove, E-6 to E-7

replace, E-23

SIMMs, 3-15, B-5

configuration, D-4

maximizing performance, 3-19

Solstice SyMON, 8-11

specification

electrical, A-2

environment, A-3

- physical, A-1
- standoff
 - lock and unlock, 4-17
 - using, 4-17
- SunVTS on-line validation test suite, 8-9
- switch
 - AC, 11-3
 - reset, initiate POST, 8-2, 11-5
- symbols, definitions, 10-2
- system
 - master, B-5
 - overview, 1-1
 - precautions, 10-4

T

- tape drive, 7-2
 - SCSI target ID number, C-1
 - tray, D-6
- terminal settings, 8-1
- termination
 - I/O board, 4-3
 - SCSI cable, C-3
- testing
 - drive
 - SBus card, 11-5
- TOD NVRAN
 - remove, 5-7
- tools, 2-4, 10-5
- tray
 - CD-ROM/tape drive, D-6
 - disk drive
 - configuration, D-6
 - LEDs, 8-7
- troubleshooting, 8-8
 - flow diagrams, 9-1 to 9-8
 - overview, 8-1
 - power supply
 - power/cooling module, 6-9
- turning system
 - off, 11-1
 - on, 11-4

U

- UltraSPARC module, B-4
 - configuration, D-4
 - CPU/Memory board, 3-10
- UPA (graphics) card, 4-23
 - using standoffs, 4-17

V

- video, configuration, D-5

