START SECTION

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All Maintenance Procedures Start from Here!

1 Precautions

- All maintenance operations to be performed on this subsystem are controlled through the SVP.
 When taking maintenance actions, carefully read this maintenance manual to avoid operation mistakes.
- The subsystem is designed so that troubles are isolated using the action code (ACC). If no ACC is presented, isolate the trouble based on TROUBLE SHOOTING SECTION.
- This subsystem supports new technologies such as RAID and live part plugging/unplugging. The service personnel should read THEORY OF OPERATION SECTION and understand its contents.

1.1 How to Use This Maintenance Manual

When servicing the subsystem by using this manual, select the item to be checked from the START ENTRY TABLE in START SECTION and follow the instructions given in the corresponding test procedure.

(Note)

Each SVP screen on this maintenance manual is a sample, and it may not be the same as the actual screen.

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2 Start Entry Table

Select the test item to be executed on this subsystem and follow the instructions given on the indicated pages.

	Test Item Go To						
A. Error Analysis							
A-1	Analyzing errors with ACC	TRBL03-10					
A-2	Analyzing errors without ACC	TRBL03-20					
A-3	Analyzing electric system errors (alarm, breaker trip, power-on failure,	TRBL03-70					
	etc.)	TRBL03-180 - 240					
A-4	Analyzing PC (SVP) errors	TRBL03-140					
A-5	Analyzing SVP Messages	SVPMSG01-10					
A-6	ACC analysis in SSB	ACC01-10					
A-7	PIN track recovery	TRBL04-10					
A-9	Recovery procedure for Common Fibre Loop Error	TRBL05-20					
A-10	Recovery procedure for LAN Error	TRBL05-60					
A-11	Recovery procedure for the Replacement of CHA/DKA	TRBL05-100					
A-12	Recovery procedure for micro-program replacement failure	MICRO-FC07-10					
A-13	Recovery procedure for cache replacement failure	TRBL05-140					
A-14	Recovery procedure for cache double-side failure	TRBL05-150					
A-15	Message "Internal Subsystem status is under maintenance" was	TRBL05-160					
	displayed during maintenance by the SVP.						
A-16	Recovery procedure for drive restoration failure	TRBL05-170					
A-17	Recovery procedure for installing failure	INST02-420					
A-18	DIAG Trouble shooting	DIAG05-10					
B. Status Display							
B-1	Displaying processor and path block status and drive copy status	SVP03-10					
C. Installation							
C-0	Subsystem Configuration Outline	INST01-10					
C-1	New Installation Procedure Table	INST02-10					
C-2	Non-Disruptive Installation Procedure Table	INST02-30					
C-3	Non-Disruptive De-Installation Procedure Table	INST02-40					
C-4	Disruptive Installation Procedure Table	INST02-50					
C-5	Disruptive De-Installation Procedure Table	INST02-70					
D. Microprogram FC							
D-1	D-1 Performing micro-program FC (off-line) MICRO-FC03-10						
D-2	Performing micro-program FC (on-line)	MICRO-FC04-10					
D-3	Performing MP Install	MICRO-FC05-10					
D-4	Performing configuration exchange	MICRO-FC08-10					

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	Test Item	Go To					
E. Part Replacement							
E-1 Replac	cing parts	REP00-10					
E-2 Period	lic replacing	PERIOD04-10					
E-3 Period	lic checking	PERIOD01-10					
	F. SVP Panel Manipulation						
F-1 Gettin	g SVP panel manipulation information	SVP01-10					
F-2 Check	ing log information	SVP02-30					
F-3 Log de	elete	SVP02-170					
	ying the ratio of the processor, cache and write pending data etc.	SVP02-220					
F-5 Check	ing On-line Read Margin (ORM) information	SVP02-270					
	g SIM report level	SVP02-440					
F-7 Manag	gement of Drive Threshold Values	SVP02-460					
F-8 Copyi	ng the Dump, Log files to a floppy disk	SVP02-540					
F-9 SIM L	og complete	SVP02-580					
	ming Manual Dump	SVP02-600					
F-11 Perfor	ming Logical Device Maintenance	SVP02-670					
F-12 Displa	y the Pinned Track	SVP02-940					
F-13 System	n Option	SVP02-1030					
G. Diagnostics							
G-1 Perfor	ming CUDG4	DIAG04-10					
G-2 Perfor	ming LCDG4	DIAG04-60					
G-3 Perfor	ming DKU INLINE	DIAG04-110					
	H. Others						
H-1 Know	ing outline of this subsystem	THEORY01-10					

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