

		DOCUMENTATION	PAGE 2
		Y-MP SYSTEM	
		S/N	
QTY	CRI PART #	DESCRIPTION	
*	AVT-00105	FLUORINERT ELEC LIQ SAFTY	
*	AVT-00106	Y-MP MODULE INSERTION VIDEO	
*	CDM-1115-0A0	Y-MP MWS USERS GUIDE	
*	CDM-1116-0B0	Y-MP DIAG REF + CQG-9985-0BB	
*	CMK-0407-000	Y-MP/8 FIELD REPAIR	
*	CMM-0404-0A0	Y-MP THEORY OF OPS	
*	CMM-0405-0A0	YMP POWER DIST AND REFRIG MAINT	
*	CMM-0406-0B0	Y-MP PMI PMP MAINTENANCE	
*	CMM-1120-0A0	Y-MP OWS/MWS INSTALL/ MAINT GUIDE	
*	CQH-0403-0B0	Y-MP HARDWARE REF BOOKLET	
*	CQK-9993-000	FIELD SOLDERING STANDARDS	
*	CSK-0400-0A0	Y-MP SYS PROG REF	
*	CZM-0956-000	MVME 32BIT VSB-BASED USERS GUIDE	
*	CZM-0957-000	MVME 141 DEBUG PKG	
*	CZM-0958-000	MVME 4M BAND 8MB DRAM	
*	HR-00080-0D	PERIPHERAL EQUIP SITE PLAN	
*	HR-00082-0C	SUPPORT EQUIP SITE PLAN	
*	HR-00306	SAFE USE AND HANDLING OF FLUORINERT	
*	HR-04000	Y-MP SITE PLAN	
*	HR-04001-0C	Y-MP FUNCTIONAL DESC	
		I/O, MODEL C OR D	
?	CCW-1006-000	CHASSIS MAP MOD C	
?	CCW-1007-000	CHASSIS MAP MOD D	
*	CMM-1003-PR1	I/O C & D HDWR MAINTENANCE	
*	CMQ11090A0	HARDWARE REF CARD	
*	CQM-1008-000	DIAGNOSTIC READY REF	
*	CSM-1009-000	MODEL C & D PROG REF	
*	HMM-0701	INSTRUCTIONAL TIMING DIAGRAMS	
*	HMM-0703	BLOCK DIAGRAMS	
		SSD (INT & EXT)	
	CMK-1000-0A0	HARDWARE MAINT	
	CSM-1116-000	SYS PROG REF	
		SSD (EXTERNAL ONLY)	
	HMM-0750	SSD CHASSIS MAP, MOD A	
	HMM-0647	SSD CHASSIS MAP, MOD B, S/N 39	
	CCW1004000	SSD CHASSIS MAP, MOD C	
	CCW1005000	SSD CHASSIS MAP, MOD D	

	DOCUMENTATION	PAGE 3
	BMC-5	
CSM-1117-000	BLOCK MUX REF	
	FRONT END INTERFACES (FEI-1)	
CMM1106000	CRAY/CDC INTRFC MAINT (C)	
HR-00134	CRAY/CDC INTRFC REF (C)	
CMM-1107-000	DATA STREAMING MAINT (D)	
HRK-00079	DATA STREAMING REF (D)	
	FRONT END INTERFACES (FEI-3)	
CMM-1100-0A0	FEI-3 INSTLL & MAINT	
CSM-1111-000	FEI-3 SYS PROG REF	
	DISK DRIVES	
HR-00630	DD29 MASS STORAGE SUB-SYS REF	
CSK-1118-000	DISK SYS HDWR REF (DD29,39,49,40)	
HQ-00135	DD39 INFORMATION HANDBOOK	
AVT-00065	DS40/41 INSTALL VIDEO	
CQM-1105-0A0	DS40 QUICK REF	
CMM-1103-0B0	DS40/41 MAINT	
CDM-1114-0A0	DS40/DD40,41 SUB-SYS DIAG REF	
CZM-0961-000	EMD/SABRE MOD DR	DD40/41
CZM-0960-000	EMD/SABRE 8" MOD DR	DD40/41
CZM-0964-000	DIAGRAMS SABRE DRIVE	DD40/41
CZM-0966-000	CARD, REF A SABRE EMD	DD40/41
CZM-0965-000	PARTS DATA SABRE DRIVE	DD40/41
CDM-1020-000	DISK DRIVE OFFLOAD USER GUIDE	DD40/41
HM-00120-0A	DD49 TROUBLESHOOTING	
CMM-1121-000	RDS-5 MAINT	
CZM-0976-000	DD-61 USERS OEM	DD61
CZM-0977-000	DD61 PART DATA OEM	DD61
CZM-0965-000	DD60 OEM PA8Y2-A MAINT	DD60 & DD61
	FIBER OPTIC LINK (FOL-3)	
CMM1102000	MAINTENANCE	
HR-00147-0A	FUNCTIONAL DESC	
	HSX CHANNEL	
CMM-1112-0A0	MAINTENANCE	

		DOCUMENTATION	PAGE 4
		X-MP, X-MP/SE RESHIP	
X	CDK-0108-000	IOS DIAG REF	
X	CDM-1116-0B0	OFF-LINE DIAG X-MP/YMP + C	9985-0B1D
X	CEM-0001-000	REMOTE MAINT	
X	CMK-1101-000	PERIPH EXPANDER MAINT	
X	CMQ-0105-0A0	VER 1 CAL CARD	
X	CMQ0103000	GATE ARRAY PINOUT CARD	
X	CQK-9993-000	FIELD SOLDERING STANDARDS	
X	CQM-0117-000	COMPUTER SYS DIAG READY REF	
*	CSM0111000	SINGLE PROCESSOR MNFRM REF	SE ONLY
X	HM-00111	REFRIGERATION MAINT	
X	HMM-1003-0A	PREVENTATIVE MAINT	
X	HR-00080-OC	PERIPH EQUIP SITE PLAN	
X	HR-00082-OC	SUPPORT EQUIP SITE PLAN	
X	HR-03005	X-MP FUNC DESC	
		I/O, MODEL B (6,11-61,63-99)	
	HMM-0598 or	CHASSIS MAP S/N 40^	
	HMM-0751 or	CHASSIS MAP S/N 6, 11-20	
	HMM-0754	CHASSIS MAP S/N 25-39	
	HMM-0828 or	BLOCK DIAGRAMS S/N 40^	
	HMM-0818 or	BLOCK DIAGRAMS S/N 6, 11-20	
	HMM-0813 or	BLOCK DIAGRAMS S/N 21-24	
	HMM-0826 or	BLOCK DIAGRAMS S/N 25-39	
	HMM-0816	BLOCK DIAGRAMS S/N 8	
	HR-00030	HARDWARE REF	
	CQM-1008-000	DIAG READY REF	
	HR-00089	SITE PLAN TEMPLATES-DOMESTIC	
	HR-00094	SITE PLAN TEMPLATES-FOREIGN	
		CHASSIS MAP	
	HMM-0597	S/N 110	
	HMM-0599	XMP/11A	
	HMM-0607	XMP/22,24	
	HMM-0611	XMP/11B,12B,14B	
	HMM-0641	XMP/11B,12B,14B SN 310	
	HMM-0757	12 COLUMN	
	HMM-0804	XMP/44,48,416	
	HMM-0805	XMP/216 (+116)	
	CCW-0115-000	SE CHASSIS MAP	

		DOCUMENTATION	PAGE 6
		XMP EA, EA SE	
X	CQK-9993-000	FIELD SOLDERING STANDARDS	
X	CEM-0001-000	REMOTE MAINT	
X	CMQ0103000	GATE ARRAY PINOUT CARD	
X	HM-00111	REFRIGERATION MAINT	
X	HMM-1003-0A	PREVENTATIVE MAINT	
X	HR-00080-OC	PERIPH EQUIP SITE PLAN	
X	HR-00082-OC	SUPPORT EQUIP SITE PLAN	EA SE DELETE
X	HRK-03020	EA FUNCTIONAL DESC	
X	CQC-0401-000	EA HDWR REF CARD	
X	CDM-1116-0B0	OFF-LINE DIAG X-MP/YMP + CQK-9993-000	
X	CSM-0116-000	EA SYS PROG REF	
X	CDM-1115-0A0	MWS USER GUIDE	
X	CQH-0408-000	YMP/EA OFFLINE DIAG REF	EA SE DELETE
X	CMM-0123-000	EA COMP SYS MAINT AIDS	EA SE DELETE
X	CZM-0957-000	MVME 141 DEBUG PKG	
X	CZM-0956-000	MVME 32BIT VSB-BASED USERS GUIDE	
X	CZM-0958-000	MVME 4M BAND 8MB DRAM	
	CMM-0120-000	COMP SYS MAINT AIDS	EA SE ONLY
	CQM-0117-000	COMP SYS DIAG READY REF	EA SE ONLY
		EA CHASSIS MAP	
	CCW0114000	SN 1101 & 1102 CHASSIS MAP	
	CCW-0118-000	SN 1103^ CHASSIS MAP	
	CCW-0122-000	264 CHASSIS MAP	
	CCW-0121-000	EA/116SE CHASSIS MAP	
		MAINTENANCE AIDS	
	HMM-0803	XMP/1,2 MAINT AIDS	
	HMM-0806	XMP/4 MAINT AIDS	
		TIMING DIAGRAMS	
	CID-0119-000	EA/4 TIMING DIAGRAMS	
		SITE PLANNING	
	HR-03018	EA 8 COL SITE PLAN (SN 1200s)	
	HR-03019	EA12 COL SITE PLAN (SN 1100s)	
	HR-03017	EA SE SITE PLAN (6 COL)	
		SELECT FROM PAGES 2 & 3 FOR:	
	I/O C OR D	DISK DRIVES	
	SSD	FOL	
	BMC-5	HSX	

		DOCUMENTATION	PAGE 7
		CRAY-2 RESHIP	
X	CSK-0200-000	C-2 SYS PROG REF	
X	CQK-9993-000	FIELD SOLDERING STANDARDS	
X	CMK-0202-000	C2 MAINT AIDS/PROCEDURES	
X	CMK-0204-000	C2 THEORY OF OPS	
X	CQC-0203-0A0	VERSION 2 CAL CARD	
X	HMM-2030	COMP SYS BLOCK DIAGRAMS	
X	HN-02044	CHANNEL INTRFC ADAPTER NOTE	
X	HQ-02042	OFF-LINE DIAG READY REF	
X	HR-00080-OC	PERIPH EQUIP SITE PLAN	
X	HR-00082-OC	SUPPORT EQUIP SITE PLAN	
X	HR-02000-0D	C2 FUNCTION DESC	
X	HR-02001	C2 SITE PLAN	
X	HR-00306	SAFE USE AND HANDLING OF FLUORINERT	
X	HN-02043	COMMON MEMORY HDWR NOTE	
X	CMQ-0207-000	C2 GATE ARRAY PINOUT CARD	
		CTC	
	CZM-0940-000	CRAY TAPE CHANNEL HDWR REF	
	SELECT FROM PAGES 2 & 3 FOR:		
	I/O C OR D	DISK DRIVES	
	SSD	FOL	
	BMC-5	HSX	
END			

DOCUMENTATION			PAGE 1
ELS SYSTEMS			
S/N			
QTY	CRI PART #	DECRPTION	
1	CDM-0702-000	CRAY X-MS OFF LINE DIAG REF	
1	CMM-0703-000	CRAY X-MS PRIMARY MAINTENANCE	
1	HR-04023	CRAY X-MS SITE PREP/INSTALL	

Diagnostics -

*Do not supply to new ships:
 "Order only" ship status / Dan Fancord*

O.E.M. MANUALS FOR CRAY XMS

<u>CRAY P/N</u>	<u>DESCRIPTION</u>	<u>VENDOR</u>	<u>VENDOR P/N</u>
CZM-0908-000	Telex Tape Drive Maintenance Manual	Memorex/Telex	U96A20581-01
CZM-0979-000	SCSI Streaming Tape Drive, Viper Prod Manual	Archive Corp.*	21981-001
CZM-0980-000	VME Tape Drive Controller Product Spec	Ciprico	21014000-B
CZM-0981-000	VME ESDI Drive Controller Product Spec	Ciprico	21011906
CZM-0982-000	Ethernet Intelligent Controller Ref Guide	CMC	621B101-05B
CZM-0983-000	Streaming Tape Subsys Interface User Manual	Exabyte Corp.	510006-005
CZM-0984-000	VME-CPU User Manual	Heurikon Corp.	n/a
CZM-0985-000	V30 Block Diagrams	Heurikon Corp.	529A001
CZM-0986-000	DK515 Winchester Disk Drive Product Spec	Hitachi	n/a
CZM-0987-000	DK515 Winchester Disk Drive Service Manual	Hitachi	n/a
CZM-0988-000	MC3 Terminal User Guide	Link Technologies	999-500-400
CZM-0989-000	MC5 Terminal Quick Ref Guide	Link Technologies	999-500-405
CZM-0990-000	Disk Array Controller Operation Manual	Maximim Strategy	SOM 002
CZM-0991-000	Disk Array Controller Installation Manual	Maximim Strategy	SIM 002
CZM-0992-000	Drive ID Codes	Maximim Strategy	SID 002
CZM-0993-000	High Speed Interface Manual	Maximim Strategy	FDS 0012
CZM-0994-000	VME Interface Operation Manual	Maximim Strategy	FDS 0010
CZM-0995-000	PI17 Peripheral Interface Reference Manual	Network Systems	460117-01
CZM-0996-000	PIx92 Processor Interface Hardware Ref Manual	Network Systems	460714-02

*supplied by Maynard Electronics

Materials list for: T90MC

09May2001

HGM-127-C Documentation and Videotape Maps and Descriptions
HGM-002-D System Overview
HGM-097-A Glossary
HGM-128-A Master Index
HMM-129-B Fluorinert Liquid, PFIB, and Measuring PFIB Equivalent
HGM-016-B Safety and ESD Guidelines

HDM-117-B Boundary Scan System Test
HDM-069-D SCE User Guide
HDM-182-D SCE Interface Reference
HDM-102-B MME User Guide
HDM-008-B MME Interface Reference
HDM-103-B MME Diagnostic Tests and Utilities

HDM-070-A LME User Guide
HDM-122-A LME Interface Reference
HDM-071-A CBP Runtime Module
HDM-009-0 MBD User Guide
HDM-123-0 MBD Interface Reference
HDM-012-E xelog, xcfg, and nwacs User Information
HMQ-252-0 Maintenance Tools and Diagnostics
Quick-reference Booklet

HMM-078-A System Cabling
HMM-111-C Field Replacement
HMM-121-B EZIF Controller Operation and Troubleshooting
HMM-367-C System Cabling (Cray T90 Series with GigaRing I/O)
HMM-368-D Cable Wire Lists (Cray T90 Series with GigaRing I/O)

HTM-065-A Control System Overview
HTM-010-A HEU-T90 Power, Cooling, and Control System
HTM-378-B HEU-T90 Cooling, Power, and Control Systems
HTM-066-B Cray T94 Power, Cooling and Control System
HTM-067-B Cray T916 Power, Cooling and Control System
HTM-095-B Cray T932 Power, Cooling and Control System

HGM-180-0 Air-cooled Cooling Unit Reference List
HTM-179-B Power, Cooling, and Control System
 Troubleshooting Guide
HMM-131-F HDVC-40/45 Start-up Procedure
HMM-149-D HDVC-160/185 Start-up Procedure

HTM-005-A Boundary Scan Module (BS02)
HTM-006-B Maintenance Channel
HTM-077-B Optical Clock Module
HTM-004-0 Memory Module (CM02)
HTM-112-B Shared Module
HTM-030-B Input/Output Module (IO01)
HTM-192-D Network Module
HTM-323-A IO02 Module
HTM-320-B Memory Module (CM04)
HTM-184-B Memory Module (CM03)
HTM-027-C System Interconnect Board (SIB)
CQC-0304-000 Cray T90 Series Hardware Reference Card
 for IEEE CPUs
CQC-0303-0B0 Cray T90 Series Hardware Reference Card
 for Cray F.P. CPUs
CQC-0302-0G0 Cray T90 Series Hardware Reference Booklet

HTM-300-A CPU Module (CPE1)
HTM-003-A CPU Module (CP02)
HTM-059-A Memory Control
HTM-115-A Instruction Set Overview (for Cray
floating-point CPUs)
HTM-119-A Instruction Descriptions (for Cray
floating-point CPUs)
HTM-317-0 Instruction Set Overview for IEEE CPUs
HTM-318-0 Instruction Set Descriptions for IEEE CPUs

HMM-105-A Support System
HMM-106-A Remote Support
HMM-054-C Annex Communications Server Installation Guide

004-5292-001 SWS-ION Release Overview
SG-5293- SWS Operating System and Devices
 Installation Guide
004-2208-001 Cray Scalable I/O Functional Overview
SG-2209- Cray Scalable I/O Messages
SR-2205- SWS-ION Commands Reference Manual
SR-2204- SWS-ION Administration and Operations Guide

Read Me First – Kit Overview and Organization

Kit HRK-107-0 includes:

HR-04036-0C	HR-04076-0A
HR-04086-0A	HR-04087-0A
HR-04075-0A	HR-04094
HR-04077-0A	HR-04063-0B
HR-04478-0A	HR-04040
HR-04079-0A	CQQ-9986-0BB (Binder)

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HR-04086-0A	HR-04087-0A
HR-04075-0A	HR-04094
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HR-04077-0A	HR-04063-0B
HR-04478-0A	HR-04040
HR-04079-0A	CQQ-9986-0BB (Binder)