



S230-9002-3

IBM System/36
5362 System Unit
System Reference Codes (SRC)



System/36

**5362 System Unit
System Reference Codes (SRC)**

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5362 System Reference Code (SRC)

- The SRCs are in sequence on the microfiche cards. Use the table below to determine the approximate location of your SRC on the microfiche cards.

System Reference Code Table

SRC	Device	Card	Row	Frame
0000	Program	1	A	3
0100	Work station	1	A	17
0b00	MSP	1	C	3
1600	CSP	1	C	17
1700	6157 tape	1	D	14
1800	Communications	1	E	8
1900	21ED disk	2	B	6
1C00	Work station	2	C	12
1d00	Diskette	2	C	14
4000	Local area network	2	E	5
6000	External disk	2	E	12
7100	Work station	2	E	14
9900	Power	3	A	10
E000	Panel	3	E	6

A1

How to Use the System Reference Code (SRC)

- The customer is directed by the problem determination (PD) procedures to gather information, and to record and report the 4-character SRC when placing a call for service.
- Use the SRC to determine:
 - Failing feature or device
 - Probable failing FRUs with % of probability
 - FRU part numbers
 - Need for programming support
 - References to the maintenance package
- This information will allow the service representative to determine what service action is required and what FRUs should be taken on the service call.
- Start at Frame A1 and follow the instructions as they are presented to find the SRC.
- If no SRC is reported, the service representative should contact the customer and determine if information is available to create an SRC.

This manual has two FRU columns. The left FRU column is for Model A system units. The right FRU column is for Model B and Model C system units. You can determine which system unit you have by the number of main storage card positions (labeled with orange squares):

Four card positions for Model A

Two card positions for either Model B or Model C

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0000	Program	Program				With program check on--- Storage dump has been requested.
0001	Program	Program				With program check on--- Module ID not found in control storage library.
0002	Program	Program				With program check on--- Attempt to relocate a module that has no RLDs.
0003	Program	Program				With program check on--- Control storage module link, load address unequal.
0004	Program	Program				With program check on--- Dump requested by pressin stop key.
0005	Program	Program				With program check on--- Quiesce counter has negative value.
0006	Program	Program				With program check on--- Privileged operation issued in nonprivileged mode.
0007	Program	Program				With program check on--- Register stack underflow or overflow.
0008	Program	Program				With program check on--- Address translation error logging communication line data.
0009	Program	Program				With program check on--- Address translation error relocating MS module.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0010	Program	Program				With program check on--- Disk IOB parameters not valid.
0011	Program	Program				With program check on--- Permanent disk read error
0012	Program	Program				With program check on--- Dump requested because of hardware error.
0013	Program	Program				With program check on--- Main storage program exception.
0014	Program	Program				With program check on--- Main storage address access by MSP not valid.
0015	Program	Program				With program check on--- Main storage operation code not valid.
0016	Program	Program				With program check on--- Storage dump has been requested.
0017	Program	Program				With program check on--- Address translation error during load SVC.
0018	Program	Program				With program check on--- Error stack overflow.
0020	Program	Program				With program check on--- Timer queue part not vali
0021	Program	Program				With program check on--- Address translation error on \$TRB parameter list.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0022	Program	Program				With program check on--- System date flag found in syscom not valid.
0023	Program	Program				With program check on--- Nonprivileged program issued timer load request
0024	Program	Program				With program check on--- Type specified with timer request not valid.
0025	Program	Program				With program check on--- Nonprivileged pgm issued multiple-wait timer req.
0026	Program	Program				With program check on--- ITYPE specified with time request not valid.
0027	Program	Program				With program check on--- Negative time value specified with timer request.
0028	Program	Program				With program check on--- Inline parameter specific with timer request not valid.
0029	Program	Program				With program check on--- Timer ID from \$SIT or \$RI not valid.
0030	Program	Program				With program check on--- Disk error during translated assign recover
0031	Program	Program				With program check on--- Permanent diskette error during IPL from diskette.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0032	Program	Program				With program check on--- Address translation error moving main storage program.
0033	Program	Program				With program check on--- Disk error--unrecoverable disk operation.
0034	Program	Program				With program check on--- Disk error--unrecoverable hardware error.
0035	Program	Program				With program check on--- Disk error--unrecoverable or sector not valid.
0036	Program	Program				With program check on--- Disk error--no alternativ sectors available.
0037	Program	Program				With program check on--- Error TB address is not valid.
0038	Program	Program				With program check on--- Disk error--data accessed may not be valid.
0039	Hardwar	Hardwar				Disk error - Disk not available.
0040	Hardwar - Program	Hardwar - Program				Data set ready line inactive. --- or --- With program check on--- Go to a relocatable CS module that is not loaded

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0041	Hardwar - Program	Hardwar - Program				Idle detected. --- or --- With program check on--- System is in a wait or infinite loop.
0042	Hardwar - Program	Hardwar - Program				Receive clock failed. --- or --- With program check on--- Invalid Control Block ID in a LAN Communications IOB
0043	Hardwar - Program	Hardwar - Program				Data set ready line activ (switched only). --- or --- With program check on--- Invalid SNA Opcode in a LAN Communications IOB.
0044	Hardwar - Program	Hardwar - Program				30 second time out (switched only). --- or --- With program check on--- Program is larger than main storage user area.
0045	Hardwar - Program	Hardwar - Program				Data set will not activat (X.25 only). --- or --- With program check on--- Task already in abnormal termination.
0046	Hardwar - Program	Hardwar - Program				Frame reject received (X.25 only). --- or --- With program check on--- Error ACE is the dump ACE

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0047	Hardwar - Program	Hardwar - Program				DM/Disc received (X.25 only). --- or --- With program check on--- Main storage 2K segment error.
0048	Program	Program				With program check on--- Tape IOB parameters not valid.
0049	Program	Program				With program check on--- Device-to-device IOB parameter not valid.
0050	Hardwar - Program	Hardwar - Program				Clear to send error. --- or --- With program check on--- Disk error--loading control storage module.
0051	Hardwar	Hardwar				Transmit clock failed.
0052	Hardwar - Program	Hardwar - Program				Transmit hardware error. --- or --- With program check on--- Assign SVC or free SVC parameters not valid.
0053	Hardwar - Program	Hardwar - Program				T1 timer retry count expired (X.25 only). --- or --- With program check on--- Disk error--loading control storage transient
0054	Program	Program				With program check on--- Sector address calculated on task work area request not valid.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0055	Program	Program				With program check on--- Nonprivileged pgm accessing privileged transient.
0056	Program	Program				With program check on--- Dump requested by SETDUMP utility.
0058	Program	Program				With program check on--- I/O device address in a work station IOB not valid.
0059	Program	Program				With program check on--- Permanent work station error during MSIPL.
0060	RemWSC - Program	RemWSC - Program				Appears in ERAP table for remote work station controller. ----- (SDLC only) Counts the test frames received from the host system with CRC errors during a link test --- or --- (X.25 only) Counts every "receive not ready" command sent to the host system. --- or --- With program check on--- Permanent assign failure.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0061	RemWSC -	RemWSC -				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>(SDLC only) Counts the test frames received from the host system without CRC errors during a link test.</p> <p>--- or ---</p> <p>(X.25 only) Counts every "receive not ready" command sent to the host system.</p> <p>--- or ---</p> <p>With program check on--- Emulation instruction not valid.</p>
0062	RemWSC -	RemWSC -				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the underrun conditions found by the communications line adapter.</p> <p>--- or ---</p> <p>With program check on--- Device IOB parameter not valid.</p>

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0063	RemWSC -	RemWSC -				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the overrun conditions found by the communications line adapter.</p> <p>--- or ---</p> <p>With program check on--- Device IOB address must be a real address.</p>
	Program	Program				
0064	RemWSC -	RemWSC -				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the loss of the "receive line signal detect" signal during a receive operation.</p> <p>--- or ---</p> <p>With program check on--- ATR load error on device IOB data buffer address.</p>
	Program	Program				
0065	RemWSC -	RemWSC -				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the loss of the "clear to send" line during a transmit operation.</p> <p>--- or ---</p> <p>With program check on--- ATR load error on logging device data.</p>
	Program	Program				

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0066	RemWSC -	RemWSC -				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the loss of the "data set ready" line during a transmit or receive operation.</p>
0067	RemWSC - Program	RemWSC - Program				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the loss of the "reject" commands sent by the work station controller.</p> <p>--- or ---</p> <p>With program check on---</p> <p>Disk error during device controller load.</p>
0068	RemWSC - Program	RemWSC - Program				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the frame or group of frames that must be transmitted again by the work station controller t the host system because the host system did not receive them correctly.</p> <p>--- or ---</p> <p>With program check on---</p> <p>Program exceeds MAPMAX value.</p>

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0069	RemWSC - Program	RemWSC - Program				Appears in ERAP table for remote work station controller. ----- Counts the frames that were received that have a CRC error. --- or --- With program check on--- Storage management failur
006A	RemWSC	RemWSC				Appears in ERAP table for remote work station controller. ----- Counts the number of time an abort is received by the work station controller.
006b	RemWSC	RemWSC				Appears in ERAP table for remote work station controller. ----- Counts the detected failures of the XLCA communications card.
006C	RemWSC	RemWSC				Appears in ERAP table for remote work station controller. ----- Counts the number of time the T1 counter expires.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
006d	RemWSC	RemWSC				Appears in ERAP table for remote work station controller. ----- PDU retransmission (X.25 with ELLC).
006E	RemWSC	RemWSC				Appears in ERAP table for remote work station controller. ----- Counts the number of information frames transmitted.
006F	RemWSC	RemWSC				Appears in ERAP table for remote work station controller. ----- Counts the number of valid information frames received.
0070	Hardwar - Program	Hardwar - Program				Remote cluster feature hardware error. --- or --- With program check on-- Diskette sector address not valid.
0071	Program	Program				With program check on-- Emulation address not valid.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0072	Hardwar -	Hardwar -				Remote cluster feature overrun. --- or --- With program check on-- Read DSC storage IOB parameter not valid.
0073	Hardwar	Hardwar				Remote cluster feature write error.
0075	Program	Program				With program check on-- Disk error--no disk recovery block found.
0076	Program	Program				With program check on-- Invalid Diskette Data Compression SVC.
0077	Program	Program				With program check on-- Invalid Control Character Decompress.
0078	Program	Program				With program check on-- Disk error during data compression.
0079	Program	Program				With program check on-- SVC requested not valid.
0080	Program	Program				With program check on-- Translated IOB not valid-- not mapped or permitted.
0081	Program	Program				With program check on-- Translated buffer not valid, not aligned or not mapped.
0082	Program	Program				With program check on-- Translated parameter list not valid--not mapped.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0083	Program	Program				With program check on-- SVC map parameter list is in error.
0084	Program	Program				With program check on-- Zero quick-lock address passed.
0085	Program	Program				With program check on-- Communication IOB has header length which is no valid.
0086	Program	Program				With program check on-- Post of communication ERB is not valid.
0087	Program	Program				With program check on-- XASGN request not valid.
0088	Program	Program				With program check on-- XFREE request not valid.
0089	Program	Program				With program check on-- CSP main storage program exception.
0090	Program	Program				With program check on-- CSP main storage program exception.
0092	Program	Program				With program check on-- I/O buffer is aligned on an odd byte boundary.
0093	Program	Program				With program check on-- Control storage address not valid.
0094	Program	Program				With program check on-- Control storage program timed out while looping.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0095	Program	Program				With program check on-- Branch taken by a control storage program is not valid.
0096	Program	Program				With program check on-- Power off command not valid.
0097	Program	Program				With program check on-- Task work area deallocate request not valid.
0098	RemWSC Program	RemWSC Program				Not defined remote hardware error. --- or --- With program check on-- Insufficient task work area reserved.
0100	Base -- Display WS cbl A-A1Q2 Exp --- Display WS cbl A-A1P2 A-A1Q2	Base -- Display WS cbl A-A1R2 Exp --- Display WS cbl A-A1Q2 A-A1R2	60 30 10 60 30 7 3	----- 2462208 ----- 2462208 2462210	Twnax/IBM cbl WS adptr cd Twnax/IBM cbl WS adptr cd WS ctrl cd	Base work station attachment. The work station display is not responding inside of 127 microseconds. Work station expansion. Run network analysis.
0101	Base -- A-A1Q2 WS cbl Display Exp --- A-A1P2 WS cbl Display Program	Base -- A-A1R2 WS cbl Display Exp --- A-A1Q2 WS cbl Display Program	60 30 10 60 30 10	2462208 ----- 2462208 -----	WS adptr cd Twnax/IBM cbl WS adptr cd Twnax/IBM cbl	Base work station attachment. The twinax driver/receiver is failing. Work station expansion. --- or --- With program check on-- Device unit block has a device ID that is not valid. Run network analysis.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0102	Program	Program				With program check on-- \$NUPD was called for a not supported function.
0103	Base -- Noise WS cbl Display A-A1Q2 Exp --- Noise WS cbl Display A-A1P2	Base -- Noise WS cbl Display A-A1R2 Exp --- Noise WS cbl Display A-A1Q2	60 30 7 3 60 30 7 3	----- 2462208 ----- 2462208	Twnax/IBM cbl WS adptr cd Twnax/IBM cbl WS adptr cd	Base work station attachment. The work station attachment detected a parity error. Work station expansion. Run network analysis.
0104	Base -- Noise WS cbl Display A-A1Q2 Exp --- Noise WS cbl Display A-A1P2	Base -- Noise WS cbl Display A-A1R2 Exp --- Noise WS cbl Display A-A1Q2	60 30 7 3 60 30 7 3	----- 2462208 ----- 2462208	Twnax/IBM cbl WS adptr cd Twnax/IBM cbl WS adptr cd	Base work station attachment. The twinax display detected a parity error. Work station expansion. Run network analysis.
0105	Hardwar Program	Hardwar Program				Work station not accessible. --- or --- With program check on-- POSTI failure of a task.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0106	Base --	Base --	80	-----	Twnax/IBM cbl	Base work station attachment. The work station attachment detected a byte count error. Work station expansion. --- or --- With program check on-- Task work area SVC cannot honor WSWA ge/put request Run network analysis.
	WS cbl	WS cbl	10	2462208	WS adptr cd	
	Display A-A1Q2	Display A-A1R2	10			
	Exp ---	Exp ---				
0107	WS cbl	WS cbl	80	-----	Twnax/IBM cbl	Wrong work station responded. --- or --- With program check on-- Task work area deallocate request not valid.
	Display A-A1P2	Display A-A1Q2	10	2462208	WS adptr cd	
	Program	Program				
0108	Base --	Base --	95			Base work station attachment. The work station display reset at the wrong time. Work station expansion. --- or --- With program check on-- Task work area base ID does not exist. Run network analysis.
	Display A-A1Q2	Display A-A1R2	5	2462208	WS adptr cd	
	Exp ---	Exp ---				
	Display A-A1P2	Display A-A1Q2	95	2462208	WS adptr cd	
	Program	Program	5			

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0109	Base --	Base --	40	2462208	WS adptr cd Twnax/IBM cbl	Base work station attachment. The work station display failed to respond to a command.
	Noise	Noise	30			
	Display	Display	20			
	A-A1Q2	A-A1R2	10			
	WS cbl	WS cbl	10			
	Exp ---	Exp ---				Work station expansion. --- or ---
	Noice	Noice	40	2462208	WS adptr cd Twnax/IBM cbl	With program check on-- Task work area operation not valid. Run network analysis.
	Display	Display	30			
	A-A1P2	A-A1Q2	20			
	WS cbl	WS cbl	10			
Program	Program					
0110	Program	Program				With program check on-- WRK SVC parameter list is in error.
0111	Base --	Base --	80	2462208	Twnax/IBM cbl WS adptr cd MS cd 1024k MS card 128k MS card 256k	Base work station attachment. Scan code for work station display not valid.
	Display	Display	10			
	WS cbl	WS cbl	5			
	A-A1Q2	A-A1R2	5			
	MS	MS	5			
	Exp ---	Exp ---				Work station expansion. --- or ---
	Display	Display	80	2462208	Twnax/IBM cbl WS adptr cd WS ctrl cd	With program check on-- Active map count underflo Run network analysis.
	WS cbl	WS cbl	10			
	A-A1P2	A-A1Q2	5			
	A-A1Q2	A-A1R2	5			
Program	Program					
0112	Program	Program				With program check on-- CSP accessed a main storage address that is not valid.
0113	Program	Program				With program check on-- I/O operation issued to active IOB.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0120	Base --	Base --	40			Base work station attachment. The command sent to the work station display was not a valid command. Work station expansion. Run network analysis.
	Noise	Noise	25			
	Display	Display	20	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	10	-----	Twmax/IBM cbl	
	WS cbl	WS cbl	5	2462220	MS cd 1024k	
	MS	MS	5	2462206	MS card 128k	
				2462261	MS card 256k	
	Exp ---	Exp ---	40			
	Noise	Noise	25			
	Display	Display	20	2462208	WS adptr cd	
A-A1P2	A-A1Q2	10	-----	Twmax/IBM cbl		
WS cbl	WS cbl	5	2462210	WS ctrl cd		
A-A1Q2	A-A1R2	5				
0121	Base --	Base --	40			Base work station attachment. The address counter value sent to the work station display was too large. Work station expansion. Run network analysis.
	Noise	Noise	25			
	Display	Display	20	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	10	-----	Twmax/IBM cbl	
	WS cbl	WS cbl	5	2462220	MS cd 1024k	
	MS	MS	5	2462206	MS card 128k	
				2462261	MS card 256k	
	Exp ---	Exp ---	40			
	Noise	Noise	25			
	Display	Display	20	2462208	WS adptr cd	
A-A1P2	A-A1Q2	10	-----	Twmax/IBM cbl		
WS cbl	WS cbl	5	2462210	WS ctrl cd		
A-A1Q2	A-A1R2	5				

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0122	Base --	Base --	35	2462208	WS adptr cd	Base work station ment. The amount of command bytes sent to the display was too large. Work station expansion. Run network analysis.
	A-A1Q2	A-A1R2	35	2462220	MS cd 1024k	
	MS	MS	35	2462206	MS card 128k	
				2462261	MS card 256k	
	Display	Display	20			
	WS cbl	WS cbl	10	-----	Twmax/IBM cbl	
	Exp ---	Exp ---				
	A-A1P2	A-A1Q2	35	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	35	2462210	WS ctrl cd	
	Display	Display	20			
WS cbl	WS cbl	10	-----	Twmax/IBM cbl		
0123	Base --	Base --	40			Base work station attachment. The address counter value sent to the work station display was not a valid value. Work station expansion. Run network analysis.
	Noise	Noise	25			
	Display	Display	20	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	10	-----	Twmax/IBM cbl	
	WS cbl	WS cbl	5	2462220	MS cd 1024k	
	MS	MS	5	2462206	MS card 128k	
				2462261	MS card 256k	
	Exp ---	Exp ---				
	Noise	Noise	40			
	Display	Display	25			
A-A1P2	A-A1Q2	20	2462208	WS adptr cd		
WS cbl	WS cbl	10	-----	Twmax/IBM cbl		
A-A1Q2	A-A1R2	5	2462210	WS ctrl cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0124	Base --	Base --	40			Base work station attachment. The active command sent to the work station display was not valid. Work station expansion. Run network analysis.
	Noise	Noise	25			
	Display	Display	20	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	10	-----	Twnax/IBM cbl	
	WS cbl	WS cbl	5	2462220	MS cd 1024k	
		MS	5	2462206	MS card 128k	
	MS		5	2462261	MS card 256k	
	Exp ---	Exp ---				
	Noise	Noise	40			
	Display	Display	25			
	A-A1P2	A-A1Q2	20	2462208	WS adptr cd	
	WS cbl	WS cbl	10	-----	Twnax/IBM cbl	
A-A1Q2	A-A1R2	5	2462210	WS ctrl cd		
0125	Base --	Base --	60			Base work station attachment. Work station error status was not valid. Work station expansion. Run network analysis.
	Display	Display	20	-----	Twnax/IBM cbl	
	WS cbl	WS cbl	10	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	10	2462220	MS cd 1024k	
		MS	10	2462206	MS card 128k	
	MS		10	2462261	MS card 256k	
	Exp ---	Exp ---				
	Display	Display	60			
	WS cbl	WS cbl	10	-----	Twnax/IBM cbl	
	A-A1P2	A-A1Q2	10	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	10	2462210	WS ctrl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0127	Base --	Base --				Base work station attachment. The address counter value sent to an IGC work station display in extended character mode was too large. Work station expansion. Run network analysis.
	Display	Display	50			
	A-A1Q2	A-A1R2	30	2462208	WS adptr cd	
	WS cbl	WS cbl	10	-----	Twnax/IBM cbl	
		MS	10	2462220	MS cd 1024k	
			10	2462206	MS card 128k	
				2462261	MS card 256k	
	Exp ---	Exp ---				
	Display	Display	50			
	A-A1P2	A-A1Q2	30	2462208	WS adptr cd	
WS cbl	WS cbl	10	-----	Twnax/IBM cbl		
A-A1Q2	A-A1R2	10	2462210	WS ctrl cd		
0149	A-A1Q2	A-A1R2	40	2462208	WS adptr cd	The work station attachment has reported an error, but the error status is not valid.
0181	Hardwar	Hardwar				Magnetic stripe reader error.
0182	Hardwar	Hardwar				Device type error.
0183	Hardwar	Hardwar				Wrong size display assemble.
0184	Hardwar	Hardwar				wrong keyboard ID.
0185	Hardwar	Hardwar				wrong keyboard specified.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
0186	Base -- Display WS cbl A-A1Q2 MS	Base -- Display WS cbl A-A1R2 MS	75			Twnax/IBM cbl WS adptr cd MS cd 1024k MS card 128k MS card 256k	Base work station attachment. The work station display indicated a magnetic stripe reader operation occurred when no reader was installed. Work station expansion.
			15	-----			
			5	2462208			
			5	2462220			
	Exp --- Display WS cbl A-A1P2 A-A1Q2	Exp --- Display WS cbl A-A1Q2 A-A1R2	75				
			15	-----			
			5	2462208			
			5	2462210			
0189	Base -- Display WS cbl A-A1Q2 MS	Base -- Display WS cbl A-A1R2 MS	75			Twnax/IBM cbl WS adptr cd MS cd 1024k MS card 128k MS card 256k	Base work station attachment. The work station display indicated a magnetic stripe reader operation occurred even though no data had been sent. Work station expansion.
			15	-----			
			5	2462208			
			5	2462220			
	Exp --- Display WS cbl A-A1P2 A-A1Q2	Exp --- Display WS cbl A-A1Q2 A-A1R2	75				
			15	-----			
			5	2462208			
			5	2462210			
0190	Display	Display	99			The work station display has not changed the even/odd time out bit in 400 milliseconds. Indicated a work station display error.	
0191	Display	Display	99			The work station display cannot complete a command in 460 milliseconds. Indicates a work station display failure.	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0200	Base --	Base --	60	----- 2462208	Twnax/IBM cbl WS adptr cd	Base work station attachment. The work printer is not responding inside of 127 microseconds. Work station expansion.
	Printer	Printer	30			
	WS cbl	WS cbl	10			
	A-A1Q2	A-A1R2	60		Twnax/IBM cbl WS adptr cd WS ctrl cd	
	Exp ---	Exp ---	30			
	Printer	Printer	7			
	WS cbl	WS cbl	3	2462210		
0201	Base --	Base --	60	2462208	WS adptr cd	Base work station attachment. The twinax driver/receiver is failing. Work station expansion. --- or --- With program check on-- Assign failure on externa DCB.
	A-A1Q2	A-A1R2	30	-----	Twnax/IBM cbl	
	WS cbl	WS cbl	10			
	Printer	Printer	60	2462208	WS adptr cd	
	Exp ---	Exp ---	30	-----	Twnax/IBM cbl	
	A-A1P2	A-A1Q2	10			
	WS cbl	WS cbl				
	Printer	Printer				
	Program	Program				
0202	Program	Program				With program check on-- Disk error--loading file subsystem transient.
0203	Base --	Base --	60	----- 2462208	Twnax/IBM cbl WS adptr cd	Base work station attachment. The work station attachment detected a parity error. Work station expansion.
	Noise	Noise	30			
	WS cbl	WS cbl	7			
	Printer	Printer	3		Twnax/IBM cbl WS adptr cd	
	A-A1Q2	A-A1R2	60			
	Exp ---	Exp ---	30			
	Noise	Noise	7	2462208	Twnax/IBM cbl WS adptr cd	
	WS cbl	WS cbl	3			
	Printer	Printer				
	A-A1P2	A-A1Q2				
	Program	Program				--- or --- With program check on-- Block count < Threshold on assign of internal DCBS.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0204	Base -- Noise WS cbl Printer A-A1Q2 Exp --- Noise WS cbl Printer A-A1P2 Program	Base -- Noise WS cbl Printer A-A1R2 Exp --- Noise WS cbl Printer A-A1Q2 Program	60 30 7 3 60 30 7 3	 ----- 2462208 2462208	 Twnax/IBM cbl WS adptr cd Twnax/IBM cbl WS adptr cd	Base work station attachment. The work station printer detected a parity error. Work station expansion. --- or --- With program check on-- Block count < Threshold of free of external DCB.
0205	Hardwar Program	Hardwar Program				Work station not accessible. --- or --- With program check on-- DSC register stack underflow/overflow.
0206	Base -- WS cbl Printer A-A1Q2 Exp --- WS cbl Printer A-A1P2 Program	Base -- WS cbl Printer A-A1R2 Exp --- WS cbl Printer A-A1Q2 Program	80 10 10 80 10 10	 ----- 2462208 2462208	 Twnax/IBM cbl WS adptr cd Twnax/IBM cbl WS adptr cd	Base work station attachment. The work station attachment detected a byte count error. Work station expansion. --- or --- With program check on-- Invalid IOB found in DCB.
0207	Hardwar - Program	Hardwar - Program				Wrong work station responded. --- or --- With program check on-- ATR error from DSC -- Data buffer length not valid.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0208	Base -- Printer A-A1Q2 Exp --- Printer A-A1P2 Program	Base -- Printer A-A1R2 Exp --- Printer A-A1Q2 Program	95 5 95 5	2462208 2462208	WS adptr cd WS adptr cd	Base work station attachment. The work station printer reset at the wrong time. Work station expansion. --- or --- With program check on-- Invalid Buffer ADR in in Buffer deallocation.
	0209	Base -- Noise Printer A-A1Q2 WS cbl Exp --- Noise Printer A-A1P2 WS cbl Program	Base -- Noise Printer A-A1R2 WS cbl Exp --- Noise Printer A-A1Q2 WS cbl Program	40 30 20 10 40 30 20 10	2462208 ----- 2462208 -----	WS adptr cd Twnax/IBM cbl WS adptr cd Twnax/IBM cbl
0211	Hardwar - Program	Hardwar - Program				Machine check - 5219/3812 5224/5225 work station printers. --- or --- DMA operation time-out fo 5553/5557 work station printers. --- or --- With program check on-- Device ID in IOB on retur from DSC not valid.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0212	Hardwar -	Hardwar -				Machine check - 5219/3812 work station printers. --- or --- With program check on-- SIO logged IOB not valid.
0214	Program	Program				With program check on-- SMF IOB not valid.
0220	Base -- Noise Printer A-A1Q2 WS cbl MS Exp --- Noise Printer A-A1P2 WS cbl A-A1Q2	Base -- Noise Printer A-A1R2 WS cbl MS Exp --- Noise Printer A-A1Q2 WS cbl A-A1R2	40 25 20 10 5 5 40 25 20 10 5	2462208 ----- 2462220 2462206 2462261 2462208 ----- 2462210	WS adptr cd Twnax/IBM cbl MS cd 1024k MS card 128k MS card 256k WS adptr cd Twnax/IBM cbl WS ctrl cd	Base work station attachment. The command sent to the work station printer was not a valid command. Work station expansion.
0221	Base -- Printer WS cbl A-A1Q2 MS Exp --- Printer WS cbl A-A1P2 A-A1Q2	Base -- Printer WS cbl A-A1R2 MS Exp --- Printer WS cbl A-A1Q2 A-A1R2	60 20 10 10 10 60 20 10 10	----- 2462208 2462220 2462206 2462261 ----- 2462208 2462210	Twnax/IBM cbl WS adptr cd MS cd 1024k MS card 128k MS card 256k Twnax/IBM cbl WS adptr cd WS ctrl cd	Base work station attachment. The work station printer has reported an error but the exception status is not valid. Work station expansion.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0222	Base --	Base --				Base work station attachment. The number of command bytes sent to the printer was too large. Work station expansion.
	A-A1Q2	A-A1R2	35	2462208	WS adptr cd	
		MS	35	2462220	MS cd 1024k	
	MS		35	2462206	MS card 128k	
				2462261	MS card 256k	
	Printer	Printer	20			
	WS cbl	WS cbl	10	-----	Twnax/IBM cbl	
	Exp ---	Exp ---				
	A-A1P2	A-A1Q2	35	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	35	2462210	WS ctrl cd	
Printer	Printer	20				
WS cbl	WS cbl	10	-----	Twnax/IBM cbl		
0223	Base --	Base --	40			Base work station attachment. The work station printer did not respond to an activate command and did not report a parity error. Work station expansion.
	Noise	Noise	25			
	Printer	Printer	20	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	10	-----	Twnax/IBM cbl	
	WS cbl	WS cbl	5	2462220	MS cd 1024k	
		MS	5	2462206	MS card 128k	
	MS			2462261	MS card 256k	
	Exp ---	Exp ---				
	Noise	Noise	40			
	Printer	Printer	25			
A-A1P2	A-A1Q2	20	2462208	WS adptr cd		
WS cbl	WS cbl	10	-----	Twnax/IBM cbl		
A-A1Q2	A-A1R2	5	2462210	WS ctrl cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS			
0224	Base -- Noise Printer A-A1Q2 WS cbl	Base -- Noise Printer A-A1R2 WS cbl MS	40 25 20 10 5 5	2462208 ----- 2462220 2462206 2462261	WS adptr cd Twnax/IBM cbl MS cd 1024k MS card 128k MS card 256k	Base work station attachment. The activate command sent to the work station printer was not valid. Work station expansion.			
	Exp --- Noise Printer A-A1P2 WS cbl A-A1Q2	Exp --- Noise Printer A-A1Q2 WS cbl A-A1R2	40 25 20 10 5	2462208 ----- 2462210	WS adptr cd Twnax/IBM cbl WS ctrl cd				
	0225	Base -- Printer WS cbl A-A1Q2	Base -- Printer WS cbl A-A1R2 MS	60 20 10 10 10	----- 2462208 2462220 2462206 2462261		Twnax/IBM cbl WS adptr cd MS cd 1024k MS card 128k MS card 256k	Base work station attachment. The work station printer has reported an error with undefined exception status. Work station expansion.	
		Exp --- Printer WS cbl A-A1P2 A-A1Q2	Exp --- Printer WS cbl A-A1Q2 A-A1R2	60 20 10 10	----- 2462208 2462210		Twnax/IBM cbl WS adptr cd WS ctrl cd		
		0226	Printer	Printer	99				The work station printer has reported a not printable character. See the work station printer manual.
		0228	Printer	Printer	99				Printer data stream command not valid. See the work station printer manual.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0229	Printer	Printer	99			Printer data stream parameter not valid. See the work station printer manual.
0230	Printer	Printer	99			Printer mechanism not ready. See the work station printer manual.
0231	Printer	Printer	99			Print check. See the work station printer manual.
0232	Printer - Program	Printer - Program	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- OXREF resident table exceeded.
0233	Printer - Program	Printer - Program	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Cannot free this library format-1 -- has active owner.
0234	Printer	Printer	99			The work station printer has reported a unit error See the work station printer manual.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0235	Printer -	Printer -	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Program check in termination end routine.
	Program	Program				
0236	Printer	Printer	99			Print check. See the work station printer manual.
0237	Printer	Printer	99			Print check. See the work station printer manual.
0238	Printer	Printer	99			Print check. See the work station printer manual.
0239	Printer -	Printer -	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- SSP not valid.
	Program	Program				
0240	Printer -	Printer -	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Program attempted to cancel a noncancelable task.
	Program	Program				

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0241	Printer -	Printer -	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Disk error while condensing the system library.
	Program	Program				
0242	Printer -	Printer -	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Deallocate or termination found PSB with no TUB.
	Program	Program				
0243	Printer -	Printer -	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Command processor task or user task has no JCB.
	Program	Program				
0244	Printer -	Printer -	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- MICs 3700, 3712, 3713 not found in ##MSG2 member.
	Program	Program				

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0245	Printer - Program	Printer - Program	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- MICs 3710 or 3711 not found in ##MSG2 member.
0246	Printer - Program	Printer - Program	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Syslog function called by the command processor.
0247	Base -- Printer WS cbl A-A1Q2 Exp --- Printer WS cbl A-A1P2 A-A1Q2 Program	Base -- Printer WS cbl A-A1R2 Exp --- Printer WS cbl A-A1Q2 A-A1R2 Program	80 10 10 80 10 7 3	----- 2462208 ----- 2462208 2462210	Twnax/IBM cbl WS adptr cd Twnax/IBM cbl WS adptr cd WS ctrl cd	Base work station attachment. The work station printer has reported a unit error. See the work station printer manual. Work station expansion. --- or --- With program check on-- IBM module has a WTG tabl which is not valid or format index table.
0248	Printer - Program	Printer - Program	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Library/file use count is less than zero.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0249	Base -- Printer WS cbl A-A1Q2	Base -- Printer WS cbl A-A1R2	90 8 5	----- 2462208	Twnax/IBM cbl WS adptr cd	Base work station attachment. The work station printer has error status not defined. See the work station printer manual. Work station expansion. --- or ---
	Exp --- Printer WS cbl A-A1P2 Program	Exp --- Printer WS cbl A-A1Q2 Program	90 2	----- 2462208	Twnax/IBM cbl WS adptr cd	With program check on-- Required SSP module not found during MS IPL.
0250	Printer - Program	Printer - Program	99			Forms jam or end of forms See the work station printer manual. --- or --- With program check on-- Format-5 extents partiall free during file delete.
0251	Printer - Program	Printer - Program	99			Printer not available. See the work station printer manual. --- or --- With program check on-- Format-5 file count is less than zero.
0252	Program	Program				With program check on-- An AFA Format 1 has a fil type which is not valid.
0253	Program	Program				With program check on-- Unexpected return code from diskette VTOC R/W.
0254	Program	Program				With program check on-- Unexpected return code from disk VTOC access.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0255	Printer - Program	Printer - Program				Shared printer busy. --- or --- With program check on-- SDLC detected MLCA failur
0258	Printer	Printer	99			End of ribbon. See the work station printer manual.
0266	Printer	Printer	99			The work station printer (5219/3812) has a data stream error. See the work station printer manual.
0267	Printer	Printer	99			The work station printer (5219/3812) has a data stream error. See the work station printer manual.
0268	Printer	Printer	99			The work station printer (5219/3812) has a data stream error. See the work station printer manual.
0269	Printer	Printer	99			The work station printer (5219/3812) has a data stream error. See the work station printer manual.
0281	Printer	Printer	99			The work station printer has a cover check or machine check. See the work station printer manual.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0283	Printer	Printer	99			The work station printer has a print check. See the work station printer manual.
0284	Printer	Printer	99			The work station printer has a print check. See the work station printer manual.
0285	Printer	Printer	99			The work station printer has a printer check. See the work station printer manual.
0286	Printer	Printer	99			The work station printer has a machine check. See the work station printer manual.
0287	Printer	Printer	99			The work station printer has a machine check. See the work station printer manual.
0288	Printer	Printer	99			The work station printer has a ribbon jam. See the work station printer manual.
0289	Printer	Printer	99			The work station printer has a ribbon jam. See the work station printer manual.
0290	Printer	Printer	99			The work station printer has not changed the even/odd time out bit in seconds indicating a work station printer error.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0291	Printer	Printer	99			The work station printer has not completed a command inside of 8 seconds indicating a work station printer error.
0bxx						Display LSR Od. If the contents are between dA01-dAFF and the Processor Check light is on, replace MSP cards. See MIM 2-10 for location. If contents are dA00 suspect A-A1T2, A-A1U2, A-A1V2, A-A1W2, A-A1X2.
1111						Hardware default code. Error condition was not evaluated. Re-IPL to obtain a refined SRC. If system completes IPL, look in ERAP for SRCs at the time of Re-IPL.
1203	A-A1K2 A-A1J2	A-A1N2 A-A1M2	95 4	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1204	A-A1N2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	
1205	A-A1M2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1206	A-A1L2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	
1207	A-A1K2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	
1208	A-A1N2	A-A1N2	99	2462261	MS card 256k	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1209	A-A1M2 A-A1J2	A-A1N2 A-A1M2	95 4	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
120A	A-A1L2 A-A1J2	A-A1N2 A-A1M2	95 4	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
120b		A-A1P2 A-A1M2	95 4	2462220 2462263	MS Card 1024K MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
120d	A-A1J2 A-A1H2	A-A1M2 A-A1L2	96 3	2462263 2462204	MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
120E	A-A1J2 A-A1H2	A-A1M2 A-A1L2	97 2	2462263 2462204	MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
120F		A-A1N2 A-A1M2	95 4	2462220 2462263	MS Card 1024K MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1213	A-A1J2 A-A1K2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	74 24 1	2462263 2462261 2462204	MSP D Flow cd MS card 256k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1214	A-A1J2 A-A1N2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	82 16 1	2462263 2462206 2462204	MSP D Flow cd MS card 128k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1215	A-A1J2 A-A1M2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	82 16 1	2462263 2462206 2462204	MSP D Flow cd MS card 128k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1216	A-A1J2 A-A1L2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	82 16 1	2462263 2462206 2462204	MSP D Flow cd MS card 128k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1217	A-A1J2 A-A1K2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	1 16 1	2462263 2462206 2462204	MSP D Flow cd MS card 128k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1218	A-A1J2	A-A1M2	74	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	24	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1M2		1	2462206	MS card 128k	
1219	A-A1J2	A-A1M2	74	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	24	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
121A	A-A1J2	A-A1M2	74	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	24	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
121b		A-A1M2	74	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1P2	24	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
121d	A-A1H2	A-A1L2	98	2462204	MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	1	2462263	MSP D Flow cd	
121E	A-A1H2	A-A1L2	98	2462204	MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	1	2462263	MSP D Flow cd	
121F		A-A1N2	74	2462220	MS Card 1024K	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1P2	24	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
1223	A-A1J2	A-A1M2	72	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1K2	A-A1N2	26	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1224	A-A1J2	A-A1M2	81	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	17	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1225	A-A1J2	A-A1M2	81	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	17	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1226	A-A1J2	A-A1M2	81	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	17	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1227	A-A1J2	A-A1M2	81	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1K2	A-A1N2	17	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1228	A-A1J2	A-A1M2	72	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	26	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1229	A-A1J2	A-A1M2	72	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	26	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
122A	A-A1J2	A-A1M2	72	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	26	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
122b		A-A1M2	72	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1P2	26	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
122d	A-A1J2	A-A1M2	99	2462263	MSP D Flow cd	
122E	A-A1J2	A-A1M2	99	2462263	MSP D Flow cd	
122F		A-A1M2	72	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1N2	26	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
1233	A-A1J2	A-A1M2	78	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1K2	A-A1N2	19	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1234	A-A1J2	A-A1M2	84	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	13	2462206	MS card 128k	
	A-A1H2	A-A1L2	2	2462204	MSP Cntl cd	
1235	A-A1J2	A-A1M2	84	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	13	2462206	MS card 128k	
	A-A1H2	A-A1L2	2	2462204	MSP Cntl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1236	A-A1J2 A-A1L2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	84 13 2	2462263 2462206 2462204	MSP D Flow cd MS card 128k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1237	A-A1J2 A-A1K2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	84 13 2	2462263 2462206 2462204	MSP D Flow cd MS card 128k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1238	A-A1J2 A-A1N2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	78 19 2	2462263 2462261 2462204	MSP D Flow cd MS card 256k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1239	A-A1J2 A-A1M2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	78 19 1	2462263 2462261 2462204	MSP D Flow cd MS card 256k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
123A	A-A1J2 A-A1L2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	78 19 1	2462263 2462261 2462204	MSP D Flow cd MS card 256k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
123b		A-A1M2 A-A1P2 A-A1L2	78 19 1	2462263 2462220 2462204	MSP D Flow cd MS Card 1024K MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
123d	A-A1H2 A-A1J2	A-A1L2 A-A1M2	98 1	2462204 2462263	MSP Cntl cd MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
123E	A-A1H2 A-A1J2	A-A1L2 A-A1M2	97 2	2462204 2462263	MSP Cntl cd MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
123F		A-A1M2 A-A1N2 A-A1L2	78 19 1	2462263 2462220 2462204	MSP D Flow cd MS Card 1024K MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1243	A-A1J2 A-A1K2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	53 45 1	2462263 2462261 2462204	MSP D Flow cd MS card 256k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1244	A-A1J2 A-A1N2 A-A1H2	A-A1M2 A-A1N2 A-A1L2	67 31 1	2462263 2462206 2462204	MSP D Flow cd MS card 128k MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1245	A-A1J2	A-A1M2	67	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	31	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1246	A-A1J2	A-A1M2	67	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	31	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1247	A-A1J2	A-A1M2	67	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1K2	A-A1N2	31	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1248	A-A1J2	A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	45	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1249	A-A1J2	A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	45	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
124A	A-A1J2	A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	45	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
124b		A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1P2	45	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
124d	A-A1H2	A-A1L2	99	2462204	MSP Cntl cd	
124E	A-A1H2	A-A1L2	99	2462204	MSP Cntl cd	
124F		A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1N2	45	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
1253	A-A1K2	A-A1N2	50	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1254	A-A1J2	A-A1M2	67	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	37	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1255	A-A1J2	A-A1M2	61	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	37	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1256	A-A1J2	A-A1M2	61	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	37	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1257	A-A1J2	A-A1M2	61	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1K2	A-A1N2	37	2462206	MS card 128k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1258	A-A1N2	A-A1N2	50	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1259	A-A1M2	A-A1N2	50	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
125A	A-A1L2	A-A1N2	50	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
125b		A-A1P2	50	2462220	MS Card 1024K	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1M2	48	2462263	MSP D Flow cd	
		A-A1L2	1	2462204	MSP Cntl cd	
125E	A-A1H2	A-A1L2	99	2462204	MSP Cntl cd	
125F		A-A1N2	50	2462220	MS Card 1024K	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1M2	48	2462263	MSP D Flow cd	
		A-A1L2	1	2462204	MSP Cntl cd	
1263	A-A1J2	A-A1M2	59	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1K2	A-A1N2	36	2462261	MS card 256k	
	A-A1H2	A-A1L2	4	2462204	MSP Cntl cd	
1264	A-A1J2	A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	39	2462206	MS card 128k	
	A-A1H2	A-A1L2	7	2462204	MSP Cntl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1265	A-A1J2	A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	39	2462206	MS card 128k	
	A-A1H2	A-A1L2	7	2462204	MSP Cntl cd	
1266	A-A1J2	A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	39	2462206	MS card 128k	
	A-A1H2	A-A1L2	7	2462204	MSP Cntl cd	
1267	A-A1J2	A-A1M2	53	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1K2	A-A1N2	39	2462206	MS card 128k	
	A-A1H2	A-A1L2	7	2462204	MSP Cntl cd	
1268	A-A1J2	A-A1M2	76	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	13	2462261	MS card 256k	
	A-A1H2	A-A1L2	10	2462204	MSP Cntl cd	
1269	A-A1J2	A-A1M2	76	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	13	2462261	MS card 256k	
	A-A1H2	A-A1L2	10	2462204	MSP Cntl cd	
126A	A-A1J2	A-A1M2	59	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	36	2462261	MS card 256k	
	A-A1H2	A-A1L2	4	2462204	MSP Cntl cd	
126b		A-A1M2	59	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1P2	36	2462220	MS Card 1024K	
		A-A1L2	4	2462204	MSP Cntl cd	
126E	A-A1H2	A-A1L2	99	2462204	MSP Cntl cd	
126F		A-A1M2	59	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1N2	36	2462220	MS Card 1024K	
		A-A1L2	4	2462204	MSP Cntl cd	
1273	A-A1K2	A-A1N2	86	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	8	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	5	2462204	MSP Cntl cd	
1274	A-A1N2	A-A1N2	88	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	6	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	5	2462204	MSP Cntl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1275	A-A1M2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	88 6 5	2462206 2462263 2462204	MS card 128k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1276	A-A1L2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	88 6 5	2462206 2462263 2462204	MS card 128k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1277	A-A1K2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	88 6 5	2462206 2462263 2462204	MS card 128k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1278	A-A1N2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	86 8 5	2462261 2462263 2462204	MS card 256k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1279	A-A1M2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	86 8 5	2462261 2462263 2462204	MS card 256k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
127A	A-A1L2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	86 8 5	2462261 2462263 2462204	MS card 256k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
127b		A-A1P2 A-A1M2 A-A1L2	86 8 5	2462220 2462263 2462204	MS Card 1024K MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
127d	A-A1J2 A-A1H2	A-A1M2 A-A1L2	92 7	2462263 2462204	MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
127F		A-A1N2 A-A1M2 A-A1L2	86 8 5	2462220 2462263 2462204	MS Card 1024K MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1283	A-A1K2 A-A1J2	A-A1N2 A-A1M2	98 1	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1284	A-A1N2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1285	A-A1M2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1286	A-A1L2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1287	A-A1K2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1288	A-A1N2 A-A1J2	A-A1N2 A-A1M2	98 1	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
1289	A-A1M2 A-A1J2	A-A1N2 A-A1M2	98 1	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
128A	A-A1L2 A-A1J2	A-A1N2 A-A1M2	98 1	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
128b		A-A1P2 A-A1M2	98 1	2462220 2462263	MS Card 1024K MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
128F		A-A1N2 A-A1M2	98 1	2462220 2462263	MS Card 1024K MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12d3	A-A1K2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	51 47 1	2462261 2462263 2462204	MS card 256k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12d4	A-A1N2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	46 27 26	2462206 2462263 2462204	MS card 128k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12d5	A-A1M2 A-A1J2 A-A1H2	A-A1N2 A-A1M2 A-A1L2	46 27 26	2462206 2462263 2462204	MS card 128k MSP D Flow cd MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
12d6	A-A1L2	A-A1N2	46	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	27	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	26	2462204	MSP Cntl cd	
12d7	A-A1K2	A-A1N2	46	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	27	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	26	2462204	MSP Cntl cd	
12d8	A-A1J2	A-A1M2	51	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1N2	A-A1N2	47	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
12d9	A-A1J2	A-A1M2	51	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1M2	A-A1N2	47	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
12dA	A-A1J2	A-A1M2	51	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1L2	A-A1N2	47	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
12db		A-A1M2	51	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1P2	47	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
12dF		A-A1M2	51	2462263	MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1N2	47	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
12E0	A-A1H2	A-A1L2	51	2462204	MSP Cntl cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
12E3	A-A1K2	A-A1N2	84	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	8	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	7	2462204	MSP Cntl cd	
12E4	A-A1N2	A-A1N2	79	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	19	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
12E5	A-A1M2	A-A1N2	79	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	19	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
12E6	A-A1L2	A-A1N2	79	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	19	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
12E7	A-A1K2	A-A1N2	79	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	19	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
12E8	A-A1N2	A-A1N2	84	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	8	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	7	2462204	MSP Cntl cd	
12E9	A-A1M2	A-A1N2	84	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	8	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	7	2462204	MSP Cntl cd	
12EA	A-A1L2	A-A1N2	84	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	8	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	7	2462204	MSP Cntl cd	
12Eb		A-A1P2	84	2462220	MS Card 1024K	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1M2	8	2462263	MSP D Flow cd	
		A-A1L2	7	2462204	MSP Cntl cd	
12EF		A-A1N2	84	2462220	MS Card 1024K	Replace FRUs first. If this does not fix the problem, go to MIM 105.
		A-A1M2	8	2462263	MSP D Flow cd	
		A-A1L2	7	2462204	MSP Cntl cd	
12F0	A-A1J2	A-A1M2	99	2462263	MSP D Flow cd	
12F3	A-A1K2	A-A1N2	98	2462261	MS card 256k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	1	2462263	MSP D Flow cd	
12F4	A-A1N2	A-A1N2	98	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	1	2462263	MSP D Flow cd	
12F5	A-A1M2	A-A1N2	98	2462206	MS card 128k	Replace FRUs first. If this does not fix the problem, go to MIM 105.
	A-A1J2	A-A1M2	1	2462263	MSP D Flow cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
12F6	A-A1L2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12F7	A-A1K2 A-A1J2	A-A1N2 A-A1M2	98 1	2462206 2462263	MS card 128k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12F8	A-A1N2 A-A1J2	A-A1N2 A-A1M2	98 1	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12F9	A-A1M2 A-A1J2	A-A1N2 A-A1M2	98 1	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12FA	A-A1L2 A-A1J2	A-A1N2 A-A1M2	98 1	2462261 2462263	MS card 256k MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12Fb		A-A1P2 A-A1M2	98 1	2462220 2462263	MS Card 1024K MSP D Flow cd	Replace FRUs first. If this does not fix the problem, go to MIM 105.
12FE	A-A1H2 A-A1J2 MS	A-A1L2 A-A1M2 MS	37 37 6 6	2462204 2462263 2462220 2462206 2462261	MSP Cntl cd MSP D Flow cd MS cd 1024k MS card 128k MS card 256k	MSP/MS error occurred, but could not be logged. Go to MIM 105.
12FF	A-A1H2 A-A1J2 MS	A-A1L2 A-A1M2 MS	37 37 6 6	2462204 2462263 2462220 2462206 2462261	MSP Cntl cd MSP D Flow cd MS cd 1024k MS card 128k MS card 256k	Unexpected error. Go to MIM 105.
1301		A-A1H2	99	2462265	DSC Ctlr Cd	Data storage controller not valid IL4 condition.
1302		A-A1H2	99	2462265	DSC Ctlr Cd	Data storage controller invalid IL2 condition.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1303		A-A1H2	99	2462265	DSC Ctlr Cd	Data storage controller Error during IPL.
135b		A-A1H2 A-A1C2 A-A1G2	70 25 5	2462265 2462228 2462259	DSC Ctlr Cd Data Stor Adp DFCA Cntl cd	Data storage controller not valid device assigned (ID).
135d		A-A1H2 A-A1C2	70 30	2462265 2462228	DSC Ctlr Cd Data Stor Adp	Data storage controller not valid CS address.
135E		A-A1H2 A-A1C2 A-A1E2	90 3 3	2462265 2462228 4178470	DSC Ctlr Cd Data Stor Adp Tape Adptr Cd	Data storage controller 2 second timeout.
135F		A-A1H2 A-A1C2	70 20	2462265 2462228	DSC Ctlr Cd Data Stor Adp	Data storage controller wild branch.
13F0		A-A1H2 A-A1C2	90 10	2462265 2462228	DSC Ctlr Cd Data Stor Adp	Data storage controller LSR parity check.
13F3		A-A1H2 A-A1C2	80 20	2462265 2462228	DSC Ctlr Cd Data Stor Adp	Data storage controller DBI/DBO parity check.
13F4		A-A1H2	99	2462265	DSC Ctlr Cd	Data storage controller store parity check.
13F5		A-A1H2 A-A1C2 A-A1G2	80 10 2	2462265 2462228 2462259	DSC Ctlr Cd Data Stor Adp DFCA Cntl cd	Data storage controller device timeout. Data storage controller channel.
13F6		A-A1H2	99	2462265	DSC Ctlr Cd	Data storage controller is in a hung state to the CPU channel.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1600	A-A1G2	A-A1K2	45	2462203	CSP card	Error during cycle steal to MLCA. Main storage is possible problem. If none of the listed FRU's fix the problem go to MIM 133.
	A-A1T2	A-A1T2	40	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2/	A-A1U2/	5	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2/	A-A1V2/				
	A-A1W2/	A-A1W2/				
	A-A1X2	A-A1X2				
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1H2	1	2462265	DSC Ctlr cd		
			2462221	DSC f-t cd		
A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2		1	SEE CD	LAN f-t cd		
1601	A-A1G2	A-A1K2	45	2462203	CSP card	I/O time out, P check or address which isn't valid during MLCA. Main storage is possible problem. If none of the listed FRU's fix the problem go to MIM 133.
	A-A1T2	A-A1T2	40	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2/	A-A1U2/	1	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2	A-A1V2	1	2462209	DSA2 card	
	A-A1C2	A-A1C2	1	2462201	DSA1 card	
	A-A1D2	A-A1D2	1	2462259	DFCA Cntl cd	
		A-A1G2	1	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	1	2462210	WS ctrl cd	
				2462265	DSC Ctlr cd	
		A-A1H2	1	2462221	DSC f-t cd	
	A-A1S2	A-A1S2	1	2462289	LAN Adptr cd	
A-A1R2		1	SEE CD	LAN f-t cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1602	A-A1G2	A-A1K2	45	2462203	CSP card	I/O time out, P check or address which not valid during MLCA. Main storage is possible problem. If none of the listed FRU's fix the problem go to MIM 133.
	A-A1T2	A-A1T2	40	2462210	ELCA ctrl cd	
	A-A1U2/	A-A1U2/	1	2462211	SLCA f-t cd	
				2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2	A-A1V2	1	2462209	DSA2 card	
	A-A1C2	A-A1C2		2462201	DSA1 card	
	A-A1D2	A-A1D2		2462259	DFCA Cntl cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
				2462210	WS ctrl cd	
				2462265	DSC Ctlr cd	
	A-A1S2	A-A1S2	1	2462221	DSC f-t cd	
2462289				LAN Adptr cd		
SEE CD				LAN f-t cd		
1603	A-A1G2	A-A1K2	45	2462203	CSP card	Error during cycle steal or I/O instruction to/ from DSA 2. Main storage is possible problem. If none of the listed FRU's fix the problem go to MIM 133.
	A-A1D2	A-A1D2	45	2462201	DSA1 card	
				2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1S2	A-A1S2	1	2462289	LAN Adptr cd	
	A-A1R2		1	SEE CD	LAN f-t cd	
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
	A-A1Q2	A-A1G2	1	2462259	DFCA Cntl cd	
				2462208	WS adptr cd	
	A-A1T2	A-A1R2	1	2462210	WS ctrl cd	
				2462210	ELCA ctrl cd	
	A-A1U2/	A-A1T2	1	2462211	SLCA f-t cd	
				2462212	CSEIA card	
				2462214	CSDDA card	
2462213				CSX21 card		
A-A1V2	A-A1V2	1	2462215	CSV35 card		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1605	A-A1G2	A-A1K2	45	2462203	CSP card	Error during cycle steal or I/O instruction to/ from DSA 1. * If machine is model B or C, replace A-A1H2 before A-A1C2
	A-A1C2	A-A1C2	45	2462209	DSA2 card	
		A-A1H2	*	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1S2	A-A1S2	1	2462289	LAN Adptr cd	
	A-A1R2		1	SEE CD	LAN f-t cd	
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
A-A1U2/	A-A1U2/	1	2462212	CSEIA card		
			2462214	CSDDA card		
			2462213	CSX21 card		
	A-A1V2	A-A1V2		2462215	CSV35 card	
1606	A-A1G2	A-A1K2	45	2462203	CSP card	Error during cycle steal to MLCA.
	A-A1T2	A-A1T2	40	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2/	A-A1U2/	2	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2/	A-A1V2/				
	A-A1W2/	A-A1W2/				
	A-A1X2	A-A1X2				
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
				2462210	WS ctrl cd	
		A-A1H2	1	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2		1	SEE CD	LAN f-t cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1609	A-A1G2	A-A1K2	45	2462203	CSP card	Error during cycle steal to/from LAN
	A-A1S2	A-A1S2	40	2462289	LAN Adptr cd	
	A-A1R2	A-A1H2	5	SEE CD	LAN f-t cd	
			1	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1P2	A-A1Q2	1	2462208	WS adptr cd	
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2	A-A1U2	1	2462212	CSEIA card	
				2462214	CSDDA card	
			2462213	CSX21 card		
			2462215	CSV35 card		
160A	A-A1G2	A-A1K2	45	2462203	CSP card	Error during cycle steal or I/O instruction to/from work station line adapter or controller.
	A-A1Q2	A-A1R2	45	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1P2	A-A1Q2	1	2462208	WS adptr cd	
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
		A-A1H2	1	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1S2	A-A1S2	1	2462289	LAN Adptr cd	
	A-A1R2		1	SEE CD	LAN f-t cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2	A-A1U2	1	2462212	CSEIA card	
				2462214	CSDDA card	
			2462213	CSX21 card		
			2462215	CSV35 card		
160F					See 16FF SRC.	
1611					See 16FF SRC.	
1616					See 16FF SRC.	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
161C	A-A1G2	A-A1K2	30	2462203	CSP card	Error during cycle steal between MSP, SLCA and/or MLCA.
	A-A1J2	A-A1M2	30	2462263	MSP D Flow cd	
	A-A1T2	A-A1T2	25	2462210	ELCA ctrlr cd	
				2462211	SLCA f-t cd	
	A-A1U2/	A-A1U2/	2	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2/	A-A1V2/				
	A-A1W2/	A-A1W2/				
	A-A1X2	A-A1X2				
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
				2462210	WS ctrlr cd	
	A-A1H2	1	2462265	DSC Ctrlr cd		
			2462221	DSC f-t cd		
A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2		1	SEE CD	LAN f-t cd		
161E	A-A1G2	A-A1K2	30	2462203	CSP card	Error during cycle steal between MSP and DSA 2. * If machine is model B or C, replace A-A1H2 or C, replace A-A1H2 before A-A1C2
	A-A1J2	A-A1M2	30	2462263	MSP D Flow cd	
	A-A1C2	A-A1C2	30	2462209	DSA2 card	
		A-A1H2	*	2462265	DSC Ctrlr cd	
				2462221	DSC f-t cd	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
				2462210	WS ctrlr cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrlr cd	
				2462211	SLCA f-t cd	
	A-A1U2	A-A1U2	1	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1S2	A-A1S2	1	2462289	LAN Adptr cd	
A-A1R2		1	SEE CD	LAN f-t cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1620	A-A1G2	A-A1K2	30	2462203	CSP card	Error during cycle steal between MSP, work station line adapter and/or controller.
	A-A1J2	A-A1M2	30	2462263	MSP D Flow cd	
	A-A1Q2	A-A1R2	30	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2	A-A1U2	1	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
		A-A1H2	1	2462265	DSC Ctrl cd	
				2462221	DSC f-t cd	
A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2		1	SEE CD	LAN f-t cd		
1621	A-A1G2	A-A1K2	30	2462203	CSP card	Error during cycle steal between MSP and DSA 1.
	A-A1J2	A-A1M2	30	2462263	MSP D Flow cd	
	A-A1D2	A-A1D2	30	2462201	DSA1 card	
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2	A-A1U2	1	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
		A-A1H2	1	2462265	DSC Ctrl cd	
			2462221	DSC f-t cd		
A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2		1	SEE CD	LAN f-t cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS						
1622	A-A1G2	A-A1K2	30	2462203	CSP card	Error during cycle steal between MSP, SLCA and/or MLCA.						
	A-A1J2	A-A1M2	30	2462263	MSP D Flow cd							
	A-A1T2	A-A1T2	25	2462210	ELCA ctrl cd							
	A-A1U2/	A-A1U2/		5	2462211		SLCA f-t cd					
					2462212		CSEIA card					
					2462214		CSDDA card					
					2462213		CSX21 card					
					2462215		CSV35 card					
	A-A1V2/ A-A1W2/ A-A1X2	A-A1V2/ A-A1W2/ A-A1X2										
								A-A1C2	A-A1C2	1	2462209	DSA2 card
								A-A1D2	A-A1D2	1	2462201	DSA1 card
	A-A1Q2	A-A1G2 A-A1R2										
								A-A1R2	A-A1R2	1	2462208	DFCA Cntl cd
								A-A1H2	A-A1H2	1	2462208	WS adptr cd
A-A1S2 A-A1R2	A-A1S2											
						A-A1H2	A-A1H2	1	2462210	WS ctrl cd		
						A-A1H2	A-A1H2	1	2462265	DSC Ctlr cd		
A-A1S2 A-A1R2	A-A1S2											
						A-A1H2	A-A1H2	1	2462221	DSC f-t cd		
						A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2	A-A1R2											
						A-A1R2	A-A1R2	1	SEE CD	LAN f-t cd		
						A-A1R2	A-A1R2	1	SEE CD	LAN f-t cd		
1624	A-A1G2	A-A1K2	30	2462203	CSP card	Error during cycle steal to/from LAN and MSP						
	A-A1S2	A-A1S2	25	2462289	LAN Adptr cd							
	A-A1J2	A-A1M2	15	2462263	MSP D Flow cd							
	A-A1H2	A-A1L2	15	2462204	MSP Cntl cd							
	A-A1R2	A-A1H2		5	SEE CD		LAN f-t cd					
					2462265		DSC Ctlr cd					
	A-A1P2	A-A1Q2		1	2462221		DSC f-t cd					
					2462208		WS adptr cd					
	A-A1C2	A-A1C2	1	2462209	DSA2 card							
	A-A1D2	A-A1D2	1	2462201	DSA1 card							
	A-A1T2	A-A1T2		1	2462210		ELCA ctrl cd					
					2462211		SLCA f-t cd					
	A-A1U2	A-A1U2		1	2462212		CSEIA card					
					2462214		CSDDA card					
					2462213		CSX21 card					
					2462215		CSV35 card					

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
1630	A-A1G2	A-A1K2	30	2462203	CSP card	3 second time out during If CSP and MSP have been replaced, go to MIM 160 cycle steal. for Main Store card isolation.	
	A-A1J2	A-A1M2	30	2462263	MSP D Flow cd		
	MS	MS	30	2462220	MS cd 1024k		
			30	2462206	MS card 128k		
			5	2462261	MS card 256k		
A-A1H2	A-A1L2	5	2462204	MSP Cntl cd			
1635	A-A1G2	A-A1K2	90	2462203	CSP card	Storage check or LSR check.	
	A-A1F2	A-A1J2	5	2462202	Cntl panel cd		
			2462219	Cntl panel cd			
163A	A-A1G2	A-A1K2	30	2462203	CSP card	Error during I/O instruction to SLCA line 2.	
	A-A1U2/	A-A1U2/	25	2462212	CSEIA card		
				25	2462214		CSDDA card
				25	2462213		CSX21 card
				5	2462215		CSV35 card
				5	2462210		ELCA ctrl cd
	A-A1V2	A-A1V2	25	2462211	SLCA f-t cd		
	A-A1T2	A-A1T2	5	2462265	DSC Ctlr cd		
				1	2462221		DSC f-t cd
				1	2462289		LAN Adptr cd
1				SEE CD	LAN f-t cd		
163b	A-A1G2	A-A1K2	30	2462203	CSP card	Error during cycle steal between CSP and SLCA line 2.	
	A-A1U2/	A-A1U2/	25	2462212	CSEIA card		
				25	2462214		CSDDA card
				25	2462213		CSX21 card
				5	2462215		CSV35 card
				5	2462210		ELCA ctrl cd
	A-A1V2	A-A1V2	25	2462211	SLCA f-t cd		
A-A1T2	A-A1T2	5					

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
163C	A-A1G2	A-A1K2	30	2462203	CSP card	Error during cycle steal between MSP and SLCA line 2.
	A-A1J2	A-A1M2	30	2462263	MSP D Flow cd	
	A-A1U2/	A-A1U2/	15	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2	A-A1V2	15			
	A-A1T2	A-A1T2	5	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
1645	A-A1G2	A-A1K2	24	2462203	CSP card	Error during SILSB on interrupt level 4. * If machine is model B or C, replace A-A1H2 before A1A1C2
	A-A1C2	A-A1C2	24	2462209	DSA2 card	
		A-A1H2	*	2462265	DSC Ctrl cd	
				2462221	DSC f-t cd	
	A-A1D2	A-A1D2	24	2462201	DSA1 card	
	A-A1Q2	A-A1R2	24	2462208	WS adptr cd	
				2462210	WS ctrl cd	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2	A-A1U2	1	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2		1	SEE CD	LAN f-t cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
164A	A-A1G2	A-A1K2	45	2462203	CSP card	Error during SILSB on interrupt level 2.
	A-A1T2	A-A1T2	40	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2/	A-A1U2/	2	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2/	A-A1V2/				
	A-A1W2/	A-A1W2/				
	A-A1X2	A-A1X2				
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
	A-A1D2	A-A1D2	1	2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
			2462210	WS ctrl cd		
	A-A1H2	1	2462265	DSC Ctlr cd		
			2462221	DSC f-t cd		
A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2		1	SEE CD	LAN f-t cd		
1650	A-A1G2	A-A1K2	45	2462203	CSP card	3 or 4 second time out.
	A-A1J2	A-A1M2	45	2462263	MSP D Flow cd	
	A-A1F2		5	2462202	Cntl panel cd	
		A-A1J2		2462219	Cntl panel cd	
1673	A-A1G2	A-A1K2	76	2462203	CSP card	The data written to stg had bad parity.
	A-A1J2	A-A1M2	12	2462263	MSP D Flow cd	
	A-A1K2	A-A1N2	10	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
1674	A-A1G2	A-A1K2	47	2462203	CSP card	The data written to stg had bad parity.
	A-A1N2	A-A1N2	43	2462206	MS card 128k	
	A-A1J2	A-A1M2	6	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	3	2462204	MSP Cntl cd	
		A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1675	A-A1G2	A-A1K2	47	2462203	CSP card	Main stg write parity check.
	A-A1M2	A-A1N2	43	2462206	MS card 128k	
	A-A1J2	A-A1M2	6	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	4	2462204	MSP Cntl cd	
1676	A-A1G2	A-A1K2	47	2462203	CSP card	Main stg write parity check.
	A-A1L2	A-A1N2	43	2462206	MS card 128k	
	A-A1J2	A-A1M2	6	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	4	2462204	MSP Cntl cd	
1677	A-A1G2	A-A1K2	47	2462203	CSP card	Main stg write parity check.
	A-A1K2	A-A1N2	43	2462206	MS card 128k	
	A-A1J2	A-A1M2	6	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	4	2462204	MSP Cntl cd	
1678	A-A1G2	A-A1K2	75	2462203	CSP card	The data written to stg had bad parity.
	A-A1J2	A-A1M2	12	2462263	MSP D Flow cd	
	A-A1N2	A-A1N2	10	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1	A-A1	1	2452880	A1 Board	
1679	A-A1G2	A-A1K2	76	2462203	CSP card	Main stg write parity check.
	A-A1J2	A-A1M2	12	2462263	MSP D Flow cd	
	A-A1M2	A-A1N2	10	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
167A	A-A1G2	A-A1K2	76	2462203	CSP card	Main stg write parity check.
	A-A1J2	A-A1M2	12	2462263	MSP D Flow cd	
	A-A1L2	A-A1N2	10	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
167b	A-A1G2	A-A1K2	76	2462203	CSP card	Main stg write parity check.
		A-A1M2	12	2462263	MSP D Flow cd	
		A-A1P2	10	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	
167F	A-A1G2	A-A1K2	76	2462203	CSP card	Main stg write parity check.
		A-A1M2	12	2462263	MSP D Flow cd	
		A-A1N2	10	2462220	MS Card 1024K	
		A-A1L2	1	2462204	MSP Cntl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1683	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	Main stg write parity check.
	A-A1K2	A-A1N2	40	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	
1684	A-A1N2	A-A1N2	87	2462206	MS card 128k	Main stg write parity check.
	A-A1J2	A-A1M2	11	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	
1685	A-A1M2	A-A1N2	87	2462206	MS card 128k	Main stg write parity check.
	A-A1J2	A-A1M2	11	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	
1686	A-A1L2	A-A1N2	87	2462206	MS card 128k	Main stg write parity check.
	A-A1J2	A-A1M2	11	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	
1687	A-A1K2	A-A1N2	87	2462206	MS card 128k	Main stg write parity check.
	A-A1J2	A-A1M2	11	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	
1688	A-A1N2	A-A1N2	50	2462261	MS card 256k	Main stg write parity check.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	
1689	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	Main stg write parity check.
	A-A1M2	A-A1N2	40	2462261	MS card 256k	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	
168A	A-A1L2	A-A1N2	50	2462261	MS card 256k	Main stg write parity check.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	1	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
168b		A-A1M2 A-A1P2 A-A1L2 A-A1K2	48 40 1 1	2462263 2462220 2462204 2462203	MSP D Flow cd MS Card 1024K MSP Cntl cd CSP card	Main stg write parity check.
168F	A-A1G2	A-A1M2 A-A1N2 A-A1L2 A-A1K2	48 40 1 1	2462263 2462220 2462204 2462203	MSP D Flow cd MS Card 1024K MSP Cntl cd CSP card	Main stg write parity check.
16E8	A-A1G2 A-A1J2	A-A1K2 A-A1M2	59 41	2462203 2462263	CSP card MSP D Flow cd	Wrong MSP error.
16EA	A-A1G2 A-A1J2	A-A1K2 A-A1M2	94 6	2462203 2462263	CSP card MSP D Flow cd	MSP MSAR parity check.
16Eb	A-A1G2 A-A1J2	A-A1K2 A-A1M2	60 40	2462203 2462263	CSP card MSP D Flow cd	Wrong MSP error during cycle steal.
16EC	A-A1G2 A-A1J2	A-A1K2 A-A1M2	60 40	2462203 2462263	CSP card MSP D Flow cd	MSP MSAR parity check during cycle steal.
16F0	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 5	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP LSR Parity check. Re-IPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from Re-IPL.
16F1	MS A-A1U2 A-A1J2	MS A-A1U2 A-A1M2	75 75 20 5	2462220 2462206 2462261 2462212 2462214 2462213 2462215 2462263	MS cd 1024k MS card 128k MS card 256k CSEIA card CSDDA card CSX21 card CSV35 card MSP D Flow cd	MSP error: main storage access timeout. MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from Re-IPL.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
16F2	A-A1J2	A-A1M2	75	2462263	MSP D Flow cd	MSP error: Parity checks
	A-A1H2	A-A1L2	30	2462204	MSP Cntl cd	
	MS	MS	15	2462220	MS cd 1024k	MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC.
				15	2462206	MS card 128k
				2462261	MS card 256k	
16F3	A-A1G2	A-A1K2	10	2462203	CSP card	CSP channel error.
	A-A1C2	A-A1C2	10	2462209	DSA2 card	
	A-A1D2	A-A1D2	10	2462201	DSA1 card	MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC.
	A-A1Q2	A-A1R2	10	2462208	WS adptr cd	Otherwise, use SRC from RE-IPL.
				2462210	WS ctrl cd	
				2462265	DSC Ctlr cd	
		A-A1H2	10	2462221	DSC f-t cd	
	A-A1T2	A-A1T2	10	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1S2	A-A1S2	10	2462289	LAN Adptr cd	
	A-A1P2	A-A1Q2	5	2462208	WS adptr cd	
	A-A1F2		5	2462202	Cntl panel cd	
		A-A1J2	3	2462219	Cntl panel cd	
	A-A1U2/	A-A1U2/	2	2462212	CSEIA card	MSIPL, if sign-on screen
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
A-A1V2	A-A1V2					
A-A1W2	A-A1W2					
A-A1X2	A-A1X2					
A-A1B2	A-A1B2	5	2462200	Disk A adptr		
A-A1R2	A-A1G2	1	5	SEE CD	LAN f-t cd	
				2462259	DFCA Cntl cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
16F4	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 3 2	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP ECC error. MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from Re-IPL.
16F5	A-A1G2	A-A1K2	75	2462203	CSP card	Interrupt level 1 from an unknown device. MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from Re-IPL.
16F6	A-A1G2 A-A1T2 A-A1U2	A-A1K2 A-A1T2 A-A1U2	45 45 10	2462203 2462210 2462211 2462212 2462214 2462213 2462215	CSP card ELCA ctrl cd SLCA f-t cd CSEIA card CSDDA card CSX21 card CSV35 card	Interrupt level 2 from an unknown device. MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from Re-IPL.
16F7	A-A1G2 A-A1Q2	A-A1K2 A-A1R2	45 45	2462203 2462208 2462210	CSP card WS adptr cd WS ctrl cd	Interrupt level 3 from an unknown device. MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from Re-IPL.
16F8	A-A1G2 A-A1C2 A-A1D2 A-A1Q2	A-A1K2 A-A1C2 A-A1D2 A-A1R2	20 20 20 20	2462203 2462209 2462201 2462208 2462210	CSP card DSA2 card DSA1 card WS adptr cd WS ctrl cd	Interrupt level 4 from an unknown device. MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from Re-IPL.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
16FF	A-A1G2	A-A1K2	30	2462203	CSP card	Unknown CSP or MSP problem. MSIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from Re-IPL. If SRC in ERAP is 16FF, go to Procedure 136 CSP Intermittent Errors. If SRC in ERAP is 16FF,	
	A-A1H2	A-A1L2	10	2462204	MSP Cntl cd		
	A-A1J2	A-A1M2	10	2462263	MSP D Flow cd		
	MS	MS		10	2462220		MS cd 1024k
				10	2462206		MS card 128k
					2462261		MS card 256k
		A-A1H2	5	2462265	DSC Ctlr cd		
				2462221	DSC f-t cd		
	A-A1F2/	A-A1F2/	5				
	A-A1C2/	A-A1C2/	5	2462209	DSA2 card		
	A-A1D2	A-A1D2	5	2462201	DSA1 card		
	A-A1Q2	A-A1R2	5	2462208	WS adptr cd		
				2462210	WS ctrl cd		
	A-A1T2	A-A1T2	5	2462210	ELCA ctrl cd		
				2462211	SLCA f-t cd		
		A-A1G2	1	2462259	DFCA Cntl cd		
A-A1U2/	A-A1U2/	1	2462212	CSEIA card			
			2462214	CSDDA card			
			2462213	CSX21 card			
			2462215	CSV35 card			
1702	A-A1D2	A-A1D2	95	2462201	DSA1 card	DSA1 cycle steal parity check on read.	
1703	A-A1D2	A-A1D2	95	2462201	DSA1 card	DSA1 cycle steal parity check on write.	
1704	A-A1D2	A-A1D2	60	2462201	DSA1 card	DSA1 Tactical Bus out parity check. * Run tape OLPD. Reseat A-A1E2 and topcard connector before replacing FRUs.	
	A-A1E2	A-A1E2	35	2462244	Tape Adptr Cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1705	A-A1E2 A-A1D2	A-A1E2 A-A1D2	65 30	2462244 2462201	Tape Adptr Cd DSA1 card	DSA1 Tactical Bus in parity check. * Run tape OLPD. Reseat A-A1E2 and topcard connector before replacing FRUs.
1706	A-A1D2 A-A1E2	A-A1D2 A-A1E2	65 30	2462201 2462244	DSA1 card Tape Adptr Cd	DSA1 data out parity check detected by DLC (tactical bus) * Run tape OLPD. Reseat A-A1E2 and topcard connector before replacing FRUs.
1707	A-A1D2 A-A1E2 A-A1G2	A-A1D2 A-A1E2 A-A1G2	60 30 5	2462201 2462244 2462259 2462203	DSA1 card Tape Adptr Cd DFCA Cntl cd CSP card	Incorrect end op conditions * Run tape OLPD. Reseat A-A1E2 and topcard connector before replacing FRUs.
1708	A-A1D2 A-A1E2 A-A1G2	A-A1D2 A-A1E2 A-A1G2	45 30 20	2462201 2462244 2462259 2462203	DSA1 card Tape Adptr Cd DFCA Cntl cd CSP card	DSA1 system DPC load/sense parity check * Run tape OLPD. Reseat A-A1E2 and topcard connector before replacing FRUs.
1709	A-A1D2 A-A1E2	A-A1D2 A-A1E2	50 45	2462201 2462244	DSA1 card Tape Adptr Cd	Incorrect DSA1 DLC address counter value * Run tape OLPD procedure before replacing FRU's. Reseat card (A-A1E2) and topcard connector before replacing FRUs. Run OLPD.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
170A	A-A1E2	A-A1E2	95	2462244	Tape Adptr Cd	Data length check (HDW) * Run tape OLPD. Reseat card (A-A1E2) and topcard connector before replacing FRUs.
170b	A-A1E2 A-A1D2 T Unit	A-A1E2 A-A1D2 T Unit	65 15 15	2462244 2462201 6299237 6298375	Tape Adptr Cd DSA1 card 6157 100V 6157 200V	DLC Transfer complete not active * Run tape OLPD. Reseat A-A1E2 and topcard connector before replacing FRUs.
170C	A-A1D2 A-A1G2	A-A1D2 A-A1G2	65 30	2462201 2462259 2462203	DSA1 card DFCA Cntl cd CSP card	Cycle steal LSR ending value incorrect.
170d	A-A1E2 A-A1D2	A-A1E2 A-A1D2	50 45	2462244 2462201	Tape Adptr Cd DSA1 card	DSA1 Transfer Ready not active for data transfer * Run tape OLPD. Reseat A-A1E2 and topcard connector before replacing FRUs.
170E	Program	Program				Invalid tape volume sequence check * Wrong tape volume -
1710	Program	Program				Command not valid
1711	Program	Program				End of Volume encountered normal - completion.
1712	Program	Program				Stack pointer overflow
1713	Program	Program				Invalid command modifier.
1714	Program	Program				Invalid tape data length associated with command.
1716	Program	Program				Invalid command in write mode.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1717	Program	Program				Invalid command in read mode.
1718	Program	Program				Invalid command with file open.
1719	Program	Program				Invalid command with file closed.
171A	Program	Program				Invalid command with file suspended.
171C	Program	Program				Invalid command with tape at beginning of tape.
171E	Program	Program				Invalid command with file not suspended.
171F	Program	Program				Invalid command sequence.
1721	Program	Program				Invalid command invalid label.
1722	Program	Program				Stack pointer underflow
1723	Program	Program				Command not valid with tape not at Gap 0
1726	Program	Program				Invalid file number specified.
1728	Program	Program				Indeterminate error
1729	A-A1D2 A-A1E2 T Unit	A-A1D2 A-A1E2 T Unit	60 20 15	2462201 2462244 6299237 6298375	DSA1 card Tape Adptr Cd 6157 100V 6157 200V	Permanent tape subsystem error. * Run tape OLPD. Reseat A-A1E2 and topcard connector before replacing FRUs.
172A	Program	Program				MSP buffer not large enough on a read / write block command

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
172b	T Unit Program	T Unit Program	95	6299237 6298375	6157 100V 6157 200V	Data block contains invalid data on a read command
172F	Program	Program				File is on previous tape volume. * Wrong tape cartridge, file not on this tape.
1730	Program	Program				Tape drive is unable to receive or send data * Busy executing command.
1732	Program	Program				DSA1 buffer could not be allocated * Diskette using buffer.
1734	Program	Program				Data length shorter than requested
1735	T Unit A-A1E2 Program	T Unit A-A1E2 Program	85 10	6299237 6298375 2462244	6157 100V 6157 200V Tape Adptr Cd	Invalid volume ID * Blank cartridge or not IBM SL format.
1736	T Unit Program	T Unit Program	95	6299237 6298375	6157 100V 6157 200V	LEOT found searching for label * Wrong cartridge, file not on tape
1738	T Unit A-A1E2 Program	T Unit A-A1E2 Program	85 10	6299237 6298375 2462244	6157 100V 6157 200V Tape Adptr Cd	File block counter not equal to count in trailer label or block descriptor * IOCH code
1739	T Unit A-A1E2 Program	T Unit A-A1E2 Program	85 10	6299237 6298375 2462244	6157 100V 6157 200V Tape Adptr Cd	Invalid header label Cartridge not IBM format.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
173A	T Unit	T Unit	95	6299237 6298375	6157 100V 6157 200V	Beginning of tape found, but not expected.
173b	T Unit	T Unit	85	6299237 6298375	6157 100V 6157 200V	Invalid trailer label
	A-A1E2 Program	A-A1E2 Program	10	2462244	Tape Adptr Cd	Cartridge not IBM format.
173C	Program	Program				Previous device-to-device op failed
173d	T Unit	T Unit	95	6299237 6298375	6157 100V 6157 200V	Invalid file mark encountered
	Program	Program				Cartridge not IBM format.
173E	T Unit	T Unit	85	6299237 6298375	6157 100V 6157 200V	Invalid tape format.
	A-A1E2 Program	A-A1E2 Program	10	2462244	Tape Adptr Cd	
173F	Program	Program				Write attempted without retension or erase.
1740	A-A1E2	A-A1E2	50	2462244	Tape Adptr Cd	Timeout waiting for command to be accepted * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	T Unit	T Unit	40	6299237 6298375	6157 100V 6157 200V	
	A-A1YK	A-A1YK	5	2438243	Signal Cable	
1741	T Unit	T Unit	50	6299237 6298375	6157 100V 6157 200V	Bad parity on tape bus during read * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	A-A1E2	A-A1E2	40	2462244	Tape Adptr Cd	
	A-A1YK	A-A1YK	5	2438243	Signal Cable	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1742	A-A1E2	A-A1E2	50	2462244	Tape Adptr Cd	Unable to reset ready end or exception interrupt. * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	T Unit	T Unit	40	6299237	6157 100V	
	A-A1YK	A-A1YK	5	6298375	6157 200V Signal Cable	
1743	T Unit	T Unit	50	6299237	6157 100V	Timeout waiting for command termination * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	A-A1E2	A-A1E2	40	2462244	6157 200V Tape Adptr Cd	
	A-A1YK	A-A1YK	5	2438243	Signal Cable	
1744	A-A1E2	A-A1E2	70	2462244	Tape Adptr Cd	Tape data in parity check is stuck on. * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	A-A1D2	A-A1D2	25	2462201	DSA1 card	
1745	Program	Program				Data length longer than requested
1746	T Unit	T Unit	70	6299237	6157 100V	Exception is on unexpectedly * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	A-A1E2	A-A1E2	20	6298375	6157 200V Tape Adptr Cd	
	A-A1YK	A-A1YK	5	2462244	2438243 Signal Cable	
1747	T Unit	T Unit	45	6299237	6157 100V	Drive not ready to accept command * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	A-A1E2	A-A1E2	40	6298375	6157 200V Tape Adptr Cd	
	A-A1YK	A-A1YK	10	2462244	2438243 Signal Cable	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1748	T Unit	T Unit	45	6299237	6157 100V	No ready response when command issued * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	A-A1E2	A-A1E2	40	6298375	6157 200V	
	A-A1YK	A-A1YK	10	2462244 2438243	Tape Adptr Cd Signal Cable	
174A	A-A1G2 Program	A-A1G2	80	2462259	DFCA Cntl cd	Second error during error recovery.
		Program	15	2462203	CSP card	
174b	A-A1E2	A-A1E2	85	2462244	Tape Adptr Cd	Unexpected interrupt by the Tape DLC * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	T Unit	T Unit	5	6299237	6157 100V	
	A-A1YK	A-A1YK	5	6298375 2438243	6157 200V Signal Cable	
1750	T Unit	T Unit	60	6299237	6157 100V	Reset command failed to reset interface. Drive not powered on or unit no connected properly. * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	A-A1E2	A-A1E2	35	6298375	6157 200V	
	A-A1YK	A-A1YK	5	2462244 2438243	Tape Adptr Cd Signal Cable	
1751	T Unit	T Unit	85	6299237	6157 100V	Reset command failed * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	A-A1E2	A-A1E2	5	6298375	6157 200V	
	A-A1YK	A-A1YK	5	2462244 2438243	Tape Adptr Cd Signal Cable	
1752	A-A1E2	A-A1E2	50	2462244	Tape Adptr Cd	No ready end to indicate status byte is available. * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
	T Unit	T Unit	45	6299237 6298375	6157 100V 6157 200V	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1753	A-A1E2 T Unit A-A1YK	A-A1E2 T Unit A-A1YK	60 30 5	2462244 6299237 6298375 2438243	Tape Adptr Cd 6157 100V 6157 200V Signal Cable	Tape data in parity check during command response (DPC) * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
1755	T Unit A-A1E2	T Unit A-A1E2	80 15	6299237 6298375 2462244	6157 100V 6157 200V Tape Adptr Cd	Ready not off after reading status byte * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
1766	Media T Unit	Media T Unit	90 5	6299237 6298375	6157 100V 6157 200V	Write abort. * Operator may have moved loading lever on tape drive unit while drive in operation. If unable to separate media/operator/hardware run tape OLPD.
1768	Media T Unit	Media T Unit	90 5	6299237 6298375	6157 100V 6157 200V	EOM detected while executing command * If unable to separate media/operator/hardware run tape OLPD.
1769	Media T Unit	Media T Unit	90 5	6299237 6298375	6157 100V 6157 200V	Read error. No data detected & EOM detected.
176b	Media T Unit	Media T Unit	90 5	6299237 6298375	6157 100V 6157 200V	Read error. Bad block transferred. * If unable to separate media/operator/hardware run tape OLPD.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
176C	Media T Unit	Media T Unit	90 5	6299237 6298375	6157 100V 6157 200V	Read error. Filler block transferred * If unable to separate media/operator/hardware run tape OLPD.
176d	Media T Unit	Media T Unit	90 5	6299237 6298375	6157 100V 6157 200V	Read error. No data detected & BOM detected. * If unable to separate media/operator/hardware run tape OLPD.
1770	A-A1E2 T Unit A-A1YK	A-A1E2 T Unit A-A1YK	60 30 5	2462244 6299237 6298375 2438243	Tape Adptr Cd 6157 100V 6157 200V Signal Cable	Illegal Tape command specified * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
1771	A-A1E2 T Unit A-A1YK	A-A1E2 T Unit A-A1YK	60 30 5	2462244 6299237 6298375 2438243	Tape Adptr Cd 6157 100V 6157 200V Signal Cable	Bad parity on Tape bus during write * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
1772	Media T Unit	Media T Unit	70 30	6299237 6298375	6157 100V 6157 200V	Catastrophic error. * Media potential. Verify cartridge turns freely, etc. Run OLPD.
1773	T Unit A-A1E2 A-A1D2	T Unit A-A1E2 A-A1D2	50 35 10	6299237 6298375 2462244 2462201	6157 100V 6157 200V Tape Adptr Cd DSA1 card	Unexpected exception (status byte) condition Invalid status from drive
1774	T Unit	T Unit	95	6299237 6298375	6157 100V 6157 200V	Unexpected power On/Reset detected

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1781	Operato T Unit	Operato T Unit	90 5	6299237 6298375	6157 100V 6157 200V	* No tape cartridge or cartridge not in place. Operator may have moved loading lever on tape drive unit while drive in operation. If unable to separate media/operator/hardware run tape OLPD.
17A6	Operato T Unit	Operato T Unit	70 5	6299237 6298375	6157 100V 6157 200V	Tape file protected on write operation * Inspect cartridge case to verify the media is wound on both reels and i visible through the door on the cartridge. If unable to separate media/operator/hardware run tape OLPD.
17E0	T Unit A-A1E2 A-A1YK	T Unit A-A1E2 A-A1YK	50 25 20	6299237 6298375 2462244 2438243	6157 100V 6157 200V Tape Adptr Cd Signal Cable	Self Test Invalid format results returned from drive (OLPD) * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
17E1	T Unit Media	T Unit Media	95	6299237 6298375	6157 100V 6157 200V	Self Test Speed or Senso error encountered. (OLPD) * Verify the media is wound on both reels and i visible through the door on the cartridge. Verify the cartridge is installed correctly.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
17F0	A-A1E2 A-A1D2	A-A1E2 A-A1D2	85 10	2462244 2462201	Tape Adptr Cd DSA1 card	Adapter error (OLPD) * Run tape OLPD. Reseat A-A1E2, top card connecto and internal cable A-A1YK before replacing FRU'S.
17F1	A-A1YK	A-A1YK	95	2438243	Signal Cable	Cable error (OLPD) * Reseat wrap connector and internal cable A-A1YK before replacing FRU's. Run OLPD.
17F2	Program	Program				Invalid screen number from SRC during OLPD.
17F5	A-A1E2 A-A1D2	A-A1E2 A-A1D2	50 45	2462244 2462201	Tape Adptr Cd DSA1 card	Tactical bus during OLPD. * Reseat A-A1E2 and top card connector before replacing FRUs. Run OLPD
17F6	A-A1E2 A-A1YK	A-A1E2 A-A1YK	60 35	2462244 2438243	Tape Adptr Cd Signal Cable	Tape Interface during OLP * Reseat wrap connector and internal cable A-A1YK before replacing FRU's.
17F7	Program	Program				Undetermined error during OLPD wraps.
17F8	A-A1D2 A-A1E2	A-A1D2 A-A1E2	85 10	2462201 2462244	DSA1 card Tape Adptr Cd	DSA1 error during OLPD.
17F9	T Unit	T Unit	95	6299237 6298375	6157 100V 6157 200V	Tape Unit error during OLPD.
17Fb	T Unit	T Unit	95	6299237 6298375	6157 100V 6157 200V	File mark not read during OLPD.
17FC	T Unit A-A1E2 A-A1D2	T Unit A-A1E2 A-A1D2	65 15 15	6299237 6298375 2462244 2462201	6157 100V 6157 200V Tape Adptr Cd DSA1 card	Data compare error during OLPD.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
17Fd	Operato T Unit	Operato T Unit	70 25	6299237 6298375	6157 100V 6157 200V	Cartridge not write protected during OLPD.
1800	A-A1T2 A-A1U2 A-A1V2 A-A1W2 A-A1X2 Xcable/ lcable	A-A1T2 A-A1U2 A-A1V2 A-A1W2 A-A1X2 Xcable/ lcable	50 5 5 5 5 5	2462210 2462211 2462212 2462214 2462213 2462215 2462212 2462214 2462213 2462215 2462212 2462214 2462213 2462215 2462212 2462214 2462213 2462215	ELCA ctrl cd SLCA f-t cd CSEIA card CSDDA card CSX21 card CSV35 card CSEIA card CSDDA card CSX21 card CSV35 card CSEIA card CSDDA card CSX21 card CSV35 card CSEIA card CSDDA card CSX21 card CSV35 card	No failure detected. For communication line problems, go to MIM 910. For MLCA controller problems look up the latest communication controller ERAP entries. If SRCs other than 1800 are recorded, replace indicated FRUs. If the latest entries are 1800s, go to MIM 915 (Diagnostic Communication Controller Problems). If no failure can be detected and no FRU information is obtained from controller ERAP, use the FRUs listed here as a intermittent FRU replacement list. Note: For communication line ERAPs (SDLC, BSC, etc) the SRC field always contains a dummy number 1800. Xcable = external cable lcable = internal cable (MIM 910)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1816	A-A1T2 A-A1U2	A-A1T2 A-A1U2	95 1	2462210 2462212 2462214 2462213 2462215	ELCA ctrl CSEIA card CSDDA card CSX21 card CSV35 card	Controller failure, controller wrap test failure. (MIM 910)
	A-A1V2	A-A1V2	1	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	
	A-A1W2	A-A1W2	1	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	
	A-A1X2	A-A1X2	1	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	
1818						X.21 SHM invalid station address.
1819						X.21 SHM SHSI state error
181A						X.21 SHM XID mismatch.
181B						X.21 SHM shorthold mode incapable.
181C						X.21 SHM XID time-out error.
181D						X.21 SHM answer error.
181E						X.21 SHM call error.
1830						BSC Receive Time-out Data Mode.
1831						BSC Not Data Set Ready.
1832						BSC Abortive Disconnect.
1833						BSC Receive Adapter Check

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1834						BSC Transmit Adapter Check.
1835						BSC Block Check (LRC/CRC/VRC) error.
1836						BSC Receive Time-out.
1837						BSC not valid ASCII Character.
1838						SDLC Adapter Check (Overrun/Underrun).
1839						SDLC Abortive Disconnect (DCE clear; X.21 only).
183A						SDLC Not Data Set Ready.
183b						SDLC Time-out (if primary station, this is a 16-second nonproductive time-out. If secondary, this is a 32-second inactivity time-out).
183C						SDLC Idle Detected (primary station).
183d						SDLC not valid Frame.
183E						SDLC Frame Check (data check).
183F						SDLC Receive Buffer Overrun.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS		
1840	A-A1U2	A-A1U2	19	2462212	CSEIA card	XPAR test failed on multiple communications adapters. Controller wra test failure. (MIM 910)		
				2462214	CSDDA card			
	A-A1V2	A-A1V2	19	2462213	CSX21 card			
				2462215	CSV35 card			
	A-A1W2	A-A1W2	19	2462212	CSEIA card			
				2462214	CSDDA card			
				2462213	CSX21 card			
				2462215	CSV35 card			
	A-A1X2	A-A1X2	19	2462212	CSEIA card			
				2462214	CSDDA card			
				2462213	CSX21 card			
				2462215	CSV35 card			
	A-A1T2	A-A1T2	20	2462210	ELCA ctrl			
				2462210	ELCA ctrl			
	1841	A-A1U2	A-A1U2	95	2462212		CSEIA card	XPAR test failed on line communication line adapter. Communications line adapter type is unknown. Controller wrap test fail. (MIM 910)
					2462214		CSDDA card	
2462213		CSX21 card						
2462215		CSV35 card						
A-A1T2		A-A1T2	5	2462210	ELCA ctrl			
1842	A-A1V2	A-A1V2	95	2462212	CSEIA card	XPAR test failed on line communication line adapter. Communications line adapter type is unknown. Controller wrap test fail. (MIM 910)		
				2462214	CSDDA card			
				2462213	CSX21 card			
	A-A1T2	A-A1T2	5	2462215	CSV35 card			
				2462210	ELCA ctrl			

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1843	A-A1W2	A-A1W2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	XPAR test failed on line communication line adapter. Communications line adapter type is unknown. Controller wrap test fail. (MIM 910)
	A-A1T2	A-A1T2	5	2462210	ELCA ctr	
1844	A-A1X2	A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	XPAR test failed on line communication line adapter. Communications line adapter type is unknown. Controller wrap test fail. (MIM 910)
	A-A1T2	A-A1T2	5	2462210	ELCA ctr	
1849	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 A-A1T2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 A-A1T2	96	2462212	CSEIA card	EIA/CCITT communication line adapter failure. Basic communication diagnostic test failure. (MIM 910)
			1	2462210 2462211	ELCA ctr cd SLCA f-t cd	
184A	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 A-A1T2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 A-A1T2	96	2462214	CSDDA card	DDSA communication line adapter failure. (MIM 910)
			1	2462210 2462211	ELCA ctr cd SLCA f-t cd	
184b	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 A-A1T2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 A-A1T2	96	2462213	CSX21 card	X.21 communication line adapter failure. Basic communication diagnostic test failure. (MIM 910)
			1	2462210 2462211	ELCA ctr cd SLCA f-t cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
184C	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 A-A1T2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 A-A1T2	96 1	2462215 2462210	CSV35 card ELCA ctr	V.35 communication line adapter failure. Basic communication diagnostic test failure. (MIM 910)
1858	Xcable	Xcable	99			EIA/CCITT external cable failure. Cable PN 2453129 Basic communication diagnostic test failure. (MIM 910)
1859	Xcable	Xcable	99			Autocall external cable failure. Cable PN 2453129 Basic communication diagnostic test failure. (MIM 910)
185A	Xcable DCE	Xcable DCE	50 50	-----	Dta comm eqpt	X21 external cable or DCE failure. Cable PN 2453143 Basic communication diagnostic test failure. (MIM 910)
185b	Xcable Modem	Xcable Modem	50 50			V.35 external cable or modem. Cable P/N 2462238 Basic communication diagnostic test failure. (MIM 910)
185C	Xcable	Xcable	99			DDSA external cable failure. Cable P/N 245314 Basic communication diagnostic test failure. (MIM 910)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1860	Lmodem Network Rmodem	Lmodem Network Rmodem	60 20 6			LPDA local/remote status test (no response from local modem). Lmodem = local modem Rmodem = remote modem (MIM 910) See modem manua
1868	Network Lmodem Rmodem	Network Lmodem Rmodem	55 35 6			LPDA local/remote status test. Local data quality = 8. Lmodem = local modem Rmodem = remote modem Basic communication diagnostic test failure. (MIM 910) See modem manua
1869	Network Lmodem Rmodem	Network Lmodem Rmodem	55 35 6			LPDA local/remote status test. Local data quality = 9. Lmodem = local modem Rmodem = remote modem Basic communication diagnostic test failure. (MIM 910) See modem manua
186A	Network Lmodem Rmodem	Network Lmodem Rmodem	55 35 6			LPDA local/remote status test. Local data quality = 10. Lmodem = local modem Rmodem = remote modem Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
186b	Network Lmodem Rmodem	Network Lmodem Rmodem	55 35 6			LPDA local/remote status test. Local data quality = 11. Lmodem = local modem Rmodem = remote modem Basic communication diagnostic test failure. (MIM 910) See modem manua
186C	Network Lmodem Rmodem	Network Lmodem Rmodem	55 35 6			LPDA local/remote status test. Local data quality = 12. Lmodem = local modem Rmodem = remote modem Basic communication diagnostic test failure. (MIM 910) See modem manua
186d	Network Lmodem Rmodem	Network Lmodem Rmodem	55 35 6			LPDA local/remote status test. Local data quality = 13. Lmodem = local modem Rmodem = remote modem Basic communication diagnostic test failure. (MIM 910) See modem manua
186E	Network Lmodem Rmodem	Network Lmodem Rmodem	55 35 6			LPDA local/remote status test. Local data quality = 14. Lmodem = local modem Rmodem = remote modem Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
186F	Network Lmodem Rmodem	Network Lmodem Rmodem	55 35 6			LPDA local/remote status test. Local data quality = 15. Lmodem = local modem Rmodem = remote modem Basic communication diagnostic test failure. (MIM 910) See modem manua
1870	DCE A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	DCE A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	40 30 20 10	----- 2462215	Dta comm eqpt CSV35 card	Adapter error Japan V.35 DCE wrap test 1. Xcable = V.35 external cable P/N 2462238 Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
1871	Lmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	Lmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	40 30 20 10	2462215	CSV35 card	Adapter error Japan V.35 DCE wrap test 2. Xcable = V.35 external cable P/N 2462238 Icable = internal cable Lmodem = local modem Basic communication diagnostic test failure. (MIM 910)
1872	DCE A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	DCE A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	40 30 20 10	----- 2462213	Dta comm eqpt CSX21 card	Adapter error during X.21 DCE test or cable tower wrap. Xcable = X.21 external cable P/N 245314 Icable = internal cable Basic communication diagnostic test failure. (MIM 910)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1873	DCE A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	DCE A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	40 30 20 10	----- 2462212	Dta comm eqpt CSEIA card	EIA/CCITT adapter error Japan cable wrap transmi to receive. Xcable = EIA external cable P/N 245312 Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
1874	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	50 35 15	2462212	CSEIA card	EIA/CCITT adapter error Japan cable wrap DTR DSR RTS CTS EIA/CCITT. Xcable = EIA external cable P/N 2453129 Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
1875	Lmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	Lmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	40 30 20 10	2462212	CSEIA card	EIA/CCITT adapter error Japan cable wrap, no receive timing. Lmodem = local modem Xcable = EIA external cable P/N 2453129 Icable = internal cable Basic communication diagnostic test failure. (MIM 910)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1880	Card 1 Card 2 Card 3 Coupler CALA	Card 1 Card 2 Card 3 Coupler CALA	40 30 20 5 5			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. CALA = Comm Adapter, Line Adapter or Cables. Basic communication diagnostic test failure. (MIM 910) See modem manua
1881	Coupler Card 3 Card 2 Card 1	Coupler Card 3 Card 2 Card 1	90 2 2 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1882	Card 3 Card 1 Coupler Card 2	Card 3 Card 1 Coupler Card 2	91 3 2 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua
1883	Card 3 Coupler Card 2 Card 1	Card 3 Coupler Card 2 Card 1	50 40 2 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1884	Card 2 Card 1 Card 3 Coupler	Card 2 Card 1 Card 3 Coupler	72 15 10 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua
1885	Card 2 Coupler Card 1 Card 3	Card 2 Coupler Card 1 Card 3	50 40 2 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1886	Card 2 Card 3 Coupler Card 1	Card 2 Card 3 Coupler Card 1	50 40 2 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua
1887	Card 2 Card 3 Coupler Card 1	Card 2 Card 3 Coupler Card 1	40 27 25 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1888	Card 1 Coupler Card 2 Card 3	Card 1 Coupler Card 2 Card 3	73 5 5 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua
1889	Card 1 Coupler Card 2 Card 3	Card 1 Coupler Card 2 Card 3	50 40 2 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
188A	Card 1 Card 3 Coupler Card 2	Card 1 Card 3 Coupler Card 2	50 40 2 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua
188b	Card 1 Card 3 Coupler Card 2	Card 1 Card 3 Coupler Card 2	40 27 25 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
188C	Card 1 Card 2 Card 3 Coupler	Card 1 Card 2 Card 3 Coupler	50 40 2 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua
188d	Card 1 Card 2 Coupler Card 3	Card 1 Card 2 Coupler Card 3	40 27 25 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
188E	Card 2 Card 3 Coupler Card 1	Card 2 Card 3 Coupler Card 1	40 27 25 2			LPDA local selftest error (local external modem failure). FRU callouts, see local LPDA modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Basic communication diagnostic test failure. (MIM 910) See modem manua
188F	Coupler Card 3 Card 2 Card 1	Coupler Card 3 Card 2 Card 1	20 20 20 20			LPDA local selftest error (local external modem failure). FRU callouts, see local modem - no P/N supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. Check that local modem switch is set to LPDA mode. Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1890	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	60 30 10	2462212	CSEIA card	EIA end of cable wrap failure (every FRU). Xcable = EIA external cable P/N 2453129 Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
1891	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Icable	80 20	2462212	CSEIA card	EIA cable tower wrap failure (CA & ICable) or A.C. cable tower wrap failure (CA & ICable) Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
1892	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	60 30 10	2462214	CSDDA card	DDSA end of cable wrap failure Xcable = DDSA external cable P/N 245314 Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
1893	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Icable	80 20	2462214	CSDDA card	DDSA cable tower wrap failure (CA & ICable) Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
1894	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Icable	80 20	2462213	CSX21 card	X.21 cable tower wrap failure (CA & ICable) Icable = internal cable Basic communication diagnostic test failure. (MIM 910)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1895	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Icable	80 20	2462215	CSV35 card	V.35 WB cable tower wrap failure (CA & ICable) Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
1896	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	60 30 10	2462212	CSEIA card	Autocall end of cable wra failure (every FRU). Xcable = A. C. external cable P/N 2453129 Icable = internal cable Basic communication diagnostic test failure. (MIM 910)
18A0	Lmodem Network	Lmodem Network	90 10			LPDA local status test error (no response from local modem). Lmodem = local modem. Basic communication diagnostic test failure. (MIM 910) See modem manua
18A8	Network Lmodem Rmodem	Network Lmodem Rmodem	65 16 16			LPDA local status test error (data quality = 8) Lmodem = local modem. Rmodem = remote modem. Basic communication diagnostic test failure. (MIM 910) See modem manua
18A9	Network Lmodem Rmodem	Network Lmodem Rmodem	65 16 16			LPDA local status test error (data quality = 9) Lmodem = local modem. Rmodem = remote modem. Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18AA	Network Lmodem Rmodem	Network Lmodem Rmodem	65 16 16			LPDA local status test error (data quality = 10) Lmodem = local modem. Rmodem = remote modem. Basic communication diagnostic test failure. (MIM 910) See modem manua
18Ab	Network Lmodem Rmodem	Network Lmodem Rmodem	65 16 16			LPDA local status test error (data quality = 11) Lmodem = local modem. Rmodem = remote modem. Basic communication diagnostic test failure. (MIM 910) See modem manua
18AC	Network Lmodem Rmodem	Network Lmodem Rmodem	65 16 16			LPDA local status test error (data quality = 12) Lmodem = local modem. Rmodem = remote modem. Basic communication diagnostic test failure. (MIM 910) See modem manua
18Ad	Network Lmodem Rmodem	Network Lmodem Rmodem	65 16 16			LPDA local status test error (data quality = 13) Lmodem = local modem. Rmodem = remote modem. Basic communication diagnostic test failure. (MIM 910) See modem manua
18AE	Network Lmodem Rmodem	Network Lmodem Rmodem	65 16 16			LPDA local status test error (data quality = 14) Lmodem = local modem. Rmodem = remote modem. Basic communication diagnostic test failure. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18AF	Network Lmodem Rmodem	Network Lmodem Rmodem	65 16 16			LPDA local status test error (data quality = 15) Lmodem = local modem. Rmodem = remote modem. Basic communication diagnostic test failure. (MIM 910) See modem manual
18b0						Line allocation failed (return code not recognized) or test selection is not valid. Program error.
18b7						Remote loopback test failure. Suspected external operator problem from problem determination test. (MIM 910)
18b8	Xmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	Xmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	80 12 6 2	2462212	CSEIA card	No DSR from external mode Xmodem = external modem Xcable = EIA external cable P/N 2453129 Icable = internal cable (MIM 910)
18b9	Xmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	Xmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable Icable	80 12 6 2	2462212	CSEIA card	No CTS from external mode Xmodem = external modem Xcable = EIA external cable P/N 2453129 Icable = internal cable (MIM 910)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18bA	Xmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable lcable	Xmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable lcable	80 12 6 2	2462212	CSEIA card	No external receive clock from external modem. Xcable = EIA external cable P/N 2453129 lcable = internal cable Xmodem = external modem (MIM 910)
18bb	Xmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable lcable	Xmodem A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable lcable	80 12 6 2	2462212	CSEIA card	External modem failure. Xmodem = external modem Xcable = EIA external cable P/N 2453129 lcable = internal cable (MIM 910)
18bE	Xmodem	Xmodem	99			External modem failure. (Modem is only FRU) If this is Japan and an EIA/CCITT interface, suspect missing clocking from the modem. (MIM 910)
18bF						Modem is wrong type for selected test or test selection is not valid. (Program error) (MIM 910)
18C0	Network Rmodem Lmodem	Network Rmodem Lmodem	50 45 5			LPDA remote selftest erro (no response from remote modem). Lmodem = Local modem Rmodem = remote modem (MIM 910) See modem manua

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18C1	Coupler Card 3 Card 2 Card 1	Coupler Card 3 Card 2 Card 1	90 2 2 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
18C2	Card 3 Card 1 Coupler Card 2	Card 3 Card 1 Coupler Card 2	91 3 2 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18C3	Card 3	Card 3	50			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
	Coupler	Coupler	40			
	Card 1	Card 1	2			
	Card 2	Card 2	2			
18C4	Card 2	Card 2	72			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
	Card 1	Card 1	15			
	Card 3	Card 3	10			
	Coupler	Coupler	2			

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18C5	Card 2 Coupler Card 1 Card 3	Card 2 Coupler Card 1 Card 3	50 40 2 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
18C6	Card 2 Card 3 Coupler Card 1	Card 2 Card 3 Coupler Card 1	50 40 2 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18C7	Card 2 Card 3 Coupler Card 1	Card 2 Card 3 Coupler Card 1	40 27 25 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
18C8	Card 1 Coupler Card 3 Card 2	Card 1 Coupler Card 3 Card 2	73 5 2 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua

A16

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18C9	Card 1 Coupler Card 3 Card 2	Card 1 Coupler Card 3 Card 2	50 40 2 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
18CA	Card 1 Card 3 Coupler Card 2	Card 1 Card 3 Coupler Card 2	50 40 2 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18Cb	Card 1 Card 3 Coupler Card 2	Card 1 Card 3 Coupler Card 2	40 27 25 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
18CC	Card 1 Card 2 Card 3 Coupler	Card 1 Card 2 Card 3 Coupler	50 40 2 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua

A18

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18Cd	Card 1 Card 2 Coupler Card 3	Card 1 Card 2 Coupler Card 3	40 27 25 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
18CE	Card 2 Card 3 Coupler Card 1	Card 2 Card 3 Coupler Card 1	40 27 25 2			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18cF	Coupler Card 3 Card 2 Card 1	Coupler Card 3 Card 2 Card 1	20 20 20 20			LPDA remote selftest erro (remote LPDA modem failure). FRU callouts, see remote LPDA modem - no P/ supplied. The modem cards listed below are valid only for 386x modems. Card 1 = front end card. Card 2 = receiver card. Card 3 = processor card. Coupler = modem coupler. (MIM 910) See modem manua
18d0						Asynchronous receive parity error.
18d1						Asynchronous transmit adapter check.
18d2						Asynchronous receive overrun.
18d3						Asynchronous invalid stop bit.
18d4						Asynchronous break detected.
18d5						Asynchronous not clear to send.
18d6						Asynchronous not data set ready.
18d7						Asynchronous receive without DSR.
18d8						AUTOCALL Data Line Occupied (DLO) error.

B2

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18d9						AUTOCALL Abandon Call Retry (ACR) error.
18dA						AUTOCALL Present Next Digit (PND) error.
18db						AUTOCALL Distant Station Connected (DSC) error.
18dC						AUTOCALL Power Indicate (PWI) error.
18dd						AUTOCALL unit has receive a command that was not valid.
18dE						AUTOCALL unit has receive a telephone number with a length of zero.
18dF						AUTOCALL Data Terminal Ready (DTR) is off for th communications line.
18E0	Network Rmodem Lmodem	Network Rmodem Lmodem	45 45 6			LPDA local/remote status test (no response from remote modem). Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua
18E8	Network Rmodem Lmodem	Network Rmodem Lmodem	65 16 16			LPDA local/remote test (remote data quality = 8 Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua
18E9	Network Rmodem Lmodem	Network Rmodem Lmodem	75 11 11			LPDA local/remote test (remote data quality = 9 Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18EA	Network Rmodem Lmodem	Network Rmodem Lmodem	85 6 6			LPDA local/remote test (remote data quality = 10 Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua
18Eb	Network Rmodem Lmodem	Network Rmodem Lmodem	85 6 6			LPDA local/remote test (remote data quality = 11 Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua
18EC	Network Rmodem Lmodem	Network Rmodem Lmodem	85 6 6			LPDA local/remote test (remote data quality = 12 Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua
18Ed	Network Rmodem Lmodem	Network Rmodem Lmodem	85 6 6			LPDA local/remote test (remote data quality = 13 Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua
18EE	Network Rmodem Lmodem	Network Rmodem Lmodem	85 6 6			LPDA local/remote test remote data quality = 14) Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua
18EF	Network Rmodem Lmodem	Network Rmodem Lmodem	85 6 6			LPDA local/remote test (remote data quality = 15 Rmodem = remote modem Lmodem = local modem (MIM 910) See modem manua
18F0						Asynchronous IOB cancelled.

B4

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18F1						LPDA remote test. Remote modem test can not be run Modem is not configured a control modem. Configuration error or wrong test selection. (MIM 910)
18F2						X.21 Adapter Check (Overrun) occurred while attempting to make a call
18F3						X.21 DCE was not ready or did not become ready after a clear.
18F4						X.21 DCE clear was done while attempting to make call.
18F5						X.21 DCE responded to the selection sequence with a 2X through 8X call progress signal.
18F6						X.21 Parity error was sensed while attempting to make a call.
18F7						X.21 T3A Time-out. The DC did not respond after responding with a call progress signal.
18F8						X.21 T3B Time-out. The DC did not respond after responding with a 01, 02, or 03 call progress signal.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
18F9						X.21 T2 Time-out. The DCE did not respond to the selection sequence.
18FA						X.21 T1 Time-out. The DCE did not respond to a call request.
18Fb						X.25 Normal completion. See MIM Sections 30-560 t 30-567 for more information.
18FC						X.25 Error completion.
18Fd						X.25 Attention completion
18FE						Unknown recoverable communications error.
1901	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	90	2462209 2462201	DSA2 card DSA1 card	Run disk problem determination procedures before replacing any FRUs. Replace FRUs only if disk problem determination procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105, 802)

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1902	A-A1B2 A-A1C2/ A-A1D2 A-A1S2 A-A1R2	A-A1B2 A-A1C2/ A-A1D2 A-A1S2	60 30 1 1	2462200 2462209 2462201 2462289 SEE CD	Disk A adptr DSA2 card DSA1 card LAN Adptr cd LAN f-t cd	Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk problem determination procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. "- Data Protect" line may be the problem. See SRC 2302. (MIM 105, 802)
1903	A-A1A2 A-A1C2/ A-A1D2	A-A1A2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk B adptr DSA2 card DSA1 card	Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk problem determination procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105, 802)
1906	A-A1A2 G-XXXX	A-A1A2 G-XXXX	60 30	2462200	Disk B adptr	Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk problem determination procedure does not isolate failure. (MIM 105, 802)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
190A	A-A1B2 F-XXXX	A-A1B2 F-XXXX	60 30	2462200	Disk A adptr	Run disk problem determination procedures before replacing any FRUs Run Pack Analysis and follow the recommended action (MIM 338). Reload SSP or Customize (MIM 324). Replace FRUs only if disk problem determination procedure does not isolate failure. (MIM 105, 802)
190b	A-A1A2 G-XXXX	A-A1A2 G-XXXX	60 30	2462200	Disk B adptr	Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk problem determination procedure does not isolate failure. (MIM 105, 802)
190d	A-A1A2 G-XXXX	A-A1A2 G-XXXX	60 30	2462200	Disk B adptr	Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk problem determination procedure does not isolate failure. (MIM 105, 802)
190E						Permanent ECC check sectors reassigned to new sector. Customer may need to run "BUILD" procedure. (MIM 105, 802)

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1920	Drive A	Drive A				Disk Interface Parity Check. (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	F-A1A2	F-A1A2	40	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	Drive B	Drive B				
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
	G-A1A2	G-A1A2	40	1616312	60MB Dgl card	
1921	Drive A	Drive A				Card Unsafe Check. (MIM 105)
	F-B1A3	F-B1A3	40	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-C1A1	F-C1A1	10	1616814	Drive card	
	F-DE	F-DE	10	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B	Drive B				
	G-B1A3	G-B1A3	40	1616324	60MB Alg card	
	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	
	G-C1A1	G-C1A1	10	1616814	Drive card	
G-DE	G-DE	10	1616119	A3(60MB HDA)		
1922	Drive A	Drive A				DE Unsafe Check. (MIM 105)
	F-A1A2	F-A1A2	40	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	30	4044272	30MB Alg card	
				1616324	60MB Alg card	
	A-A1B2	A-A1B2	20	2462200	Disk A adptr	
	F-C1A1	F-C1A1	5	1616814	Drive card	
	F-DE	F-DE	1	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B	Drive B				
	G-A1A2	G-A1A2	40	1616312	60MB Dgl card	
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
A-A1A2	A-A1A2	20	2462200	Disk B adptr		
G-C1A1	G-C1A1	5	1616814	Drive card		
G-DE	G-DE	1	1616119	A3(60MB HDA)		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1923	Drive A	Drive A				Operation Unsafe Check. (MIM 105)
	A-A1B2	A-A1B2	40	2462200	Disk A adptr	
	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	20	4044272	30MB Alg card	
				1616324	60MB Alg card	
	Drive B	Drive B				
	A-A1A2	A-A1A2	40	2462200	Disk B adptr	
G-A1A2	G-A1A2	30	1616312	60MB Dgl card		
G-B1A3	G-B1A3	20	1616324	60MB Alg card		
1924	Drive A	Drive A				Seek Unsafe Check. (MIM 105)
	F-A1A2	F-A1A2	40	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	30	4044272	30MB Alg card	
				1616324	60MB Alg card	
	A-A1B2	A-A1B2	20	2462200	Disk A adptr	
	F-C1A1	F-C1A1	5	1616814	Drive card	
	F-DE	F-DE	1	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B	Drive B				
	G-A1A2	G-A1A2	40	1616312	60MB Dgl card	
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
	A-A1A2	A-A1A2	20	2462200	Disk B adptr	
G-C1A1	G-C1A1	5	1616814	Drive card		
G-DE	G-DE	1	1616119	A3(60MB HDA)		
1925	Drive A	Drive A				Sync Unsafe Check. (MIM 105)
	F-A1A2	F-A1A2	50	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-C1A1	F-C1A1	40	1616814	Drive card	
	Drive B	Drive B				
	G-A1A2	G-A1A2	50	1616312	60MB Dgl card	
G-C1A1	G-C1A1	40	1616814	Drive card		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1928	Drive A F-A1A2	Drive A F-A1A2	40	1616312	30MB Dgl card	Motor/Proc Unsafe Check. (MIM 105)
				1616312	60MB Dgl card	
	F-C1A1	F-C1A1	30	1616814	Drive card	
	F-DE	F-DE	25	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B G-A1A2	Drive B G-A1A2	40	1616312	60MB Dgl card	
G-C1A1	G-C1A1	30	1616814	Drive card		
G-DE	G-DE	25	1616119	A3(60MB HDA)		
1929	Drive A A-A1C2/ A-A1D2	Drive A A-A1C2/ A-A1D2	50	2462209	DSA2 card	Interrupt Timeout Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	40	2462200	DSA1 card	
	Drive B A-A1C2	Drive B A-A1C2	50	2462209	Disk A adptr	
	A-A1A2	A-A1A2	40	2462200	DSA2 card	
192A	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	90	2462209 2462201	DSA2 card DSA1 card	Cycle Steal Address Check If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
192b	Drive A A-A1C2/ A-A1D2	Drive A A-A1C2/ A-A1D2	50	2462209	DSA2 card	Command Parity Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	40	2462201	DSA1 card	
	Drive B A-A1C2	Drive B A-A1C2	50	2462209	Disk A adptr	
	A-A1A2	A-A1A2	40	2462200	DSA2 card	
192C	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	90	2462209 2462201	DSA2 card DSA1 card	Cycle Steal Parity Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
192d	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	90	2462209 2462201	DSA2 card DSA1 card	DSA Buffer Write Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
192E	Drive A	Drive A	50	2462200	Disk A adptr	Interface Timeout Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	40	2462209	DSA2 card	
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2		2462201	DSA1 card	
	Drive B	Drive B	50	2462200	Disk B adptr	
192F	A-A1A2	A-A1A2	40	2462209	DSA2 card	DSA Data Bus Parity Check If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1C2	A-A1C2	50	2462209	DSA2 card	
	A-A1D2	A-A1D2	40	2462201	DSA1 card	
	A-A1B2	A-A1B2	40	2462200	Disk A adptr	
1930	Drive A	Drive A	40	2462200	Disk A adptr	Data Overrun Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	30	1616312	30MB Dgl card	
	F-A1A2	F-A1A2		1616312	60MB Dgl card	
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	20	2462209	DSA2 card	
	Drive B	Drive B		2462201	DSA1 card	
	A-A1A2	A-A1A2	40	2462200	Disk B adptr	
	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	
	A-A1C2	A-A1C2	20	2462209	DSA2 card	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1931	Drive A	Drive A				CRC/ECC Check. Have customer run "BUILD" procedure first If problem persists, replace FRU. Run Pack Analysis (MIM 338). (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	F-B1A3	F-B1A3	30	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-C1A1	F-C1A1	10	1616814	Drive card	
	F-DE	F-DE	1	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B	Drive B				
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
	G-C1A1	G-C1A1	10	1616814	Drive card	
	G-DE	G-DE	1	1616119	A3(60MB HDA)	
1932	Drive A	Drive A				No Record Found Check. Have customer run "BUILD" procedure first If problem persists, replace FRU. Run Pack Analysis (MIM 338). (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	F-B1A3	F-B1A3	30	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-C1A1	F-C1A1	10	1616814	Drive card	
	F-DE	F-DE	1	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B	Drive B				
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
	G-C1A1	G-C1A1	10	1616814	Drive card	
	G-DE	G-DE	1	1616119	A3(60MB HDA)	
1933	Drive A	Drive A				Command Cycle Parity Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	A-A1C2/	A-A1C2/	40	2462209	DSA2 card	
	A-A1D2	A-A1D2		2462201	DSA1 card	
	Drive B	Drive B				
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
A-A1C2	A-A1C2	40	2462209	DSA2 card		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1934	Drive A	Drive A	40	2462200	Disk A adptr	Cable Continuity Check. Ensure that cable F-B1A2 or G-B1A2 is plugged in properly. (MIM 105)
	A-A1B2	A-A1B2	30	1616312	30MB Dgl card	
	F-A1A2	F-A1A2	20	1616312	60MB Dgl card	
	F-B1A2	F-B1A2	20	2453100	Signal cable	
	Drive B	Drive B	40	2462200	Disk B adptr	
	A-A1A2	A-A1A2	30	1616312	60MB Dgl card	
	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	
	G-B1A2	G-B1A2	20	2453100	Signal cable	
1935	Drive A	Drive A	50	2462209	DSA2 card	Data Cycle Parity Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1C2/	A-A1C2/	40	2462201	DSA1 card	
	A-A1D2	A-A1D2	40	2462200	Disk A adptr	
	Drive B	Drive B	50	2462209	DSA2 card	
	A-A1C2	A-A1C2	40	2462200	Disk B adptr	
	A-A1A2	A-A1A2	40	2462200	Disk B adptr	
1936	Drive A	Drive A	40	2462200	Disk A adptr	Sync Not Found Check. Have customer run "BUILD" procedure first If problem persists, replace FRU. Run Pack Analysis. (MIM 105, 338).
	Drive B	Drive B	40	2462200	Disk B adptr	
1937	Drive A	Drive A	40	2462200	Disk A adptr	Disk Write Data Check. (MIM 105)
	A-A1B2	A-A1B2	30	1616312	30MB Dgl card	
	F-A1A2	F-A1A2	20	1616312	60MB Dgl card	
	F-B1A3	F-B1A3	20	4044272	30MB Alg card	
				1616324	60MB Alg card	
	Drive B	Drive B	40	2462200	Disk B adptr	
	A-A1A2	A-A1A2	30	1616312	60MB Dgl card	
	G-A1A2	G-A1A2	20	1616324	60MB Alg card	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1938	Drive A	Drive A				Command Reject Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	A-A1C2/	A-A1C2/	40	2462209	DSA2 card	
	A-A1D2	A-A1D2		2462201	DSA1 card	
1939	Drive B	Drive B				Data Cycle Underrun Check (MIM 105)
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
	A-A1C2	A-A1C2	40	2462209	DSA2 card	
1939	Drive A	Drive A				Data Cycle Underrun Check (MIM 105)
	F-A1A2	F-A1A2	50	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	40	4044272	30MB Alg card	
				1616324	60MB Alg card	
	Drive B	Drive B				
G-A1A2	G-A1A2	50	1616312	60MB Dgl card		
G-B1A3	G-B1A3	40	1616324	60MB Alg card		
193A	Drive A	Drive A				Ensure that cable F-B1A2 or G-B1A2 is plugged in properly. (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	F-A1A2	F-A1A2	40	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
193A	Drive B	Drive B				(MIM 105)
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
	G-A1A2	G-A1A2	40	1616312	60MB Dgl card	
1940	A-A1B2	A-A1B2	60	2462200	Disk A adptr	(MIM 150, 802)
1941	A-A1B2	A-A1B2	45	2462200	Disk A adptr	The A-A1C2 card will be present in a two drive system. Suspect the A-A1D card only if the system has one drive. (MIM 150, 802)
	A-A1C2/	A-A1C2/	45	2462209	DSA2 card	
	A-A1D2	A-A1D2		2462201	DSA1 card	

B16

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1942	A-A1B2	A-A1B2	45	2462200	Disk A adptr	On Drive A (top drive). This will result when the signal cable (A-A1YJ - F-B1A2) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	F-A1A2	F-A1A2	45	1616312	30MB Dgl card	
	A-A1YJ	A-A1YJ	5	2453100	60MB Dgl card	
	F-B1A2	F-B1A2	5	2453100	Signal cable Signal cable	
1943	F-A1A2	F-A1A2	60	1616312	30MB Dgl card	On Drive A (top drive). (MIM 150, 802)
	F-B1A3	F-B1A3	30	4044272	60MB Dgl card	
				1616324	30MB Alg card	
				1616324	60MB Alg card	
1944	F-A1A2	F-A1A2	50	1616312	30MB Dgl card	On Drive A (top drive). This will result when the power/driver cable (F-B1A5) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	F-B1A3	F-B1A3	20	1616312	60MB Dgl card	
	F-B1A3	F-B1A3	20	4044272	30MB Alg card	
	F-C1A1	F-C1A1	20	1616324	60MB Alg card	
1945	F-A1A2	F-A1A2	50	1616312	Drive card	On Drive A (top drive). This will result when the power/driver cable (F-B1A5) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	F-B1A3	F-B1A3	20	1616312	A2 (30MB HDA)	
	F-B1A3	F-B1A3	20	4044272	A3 (60MB HDA)	
	F-C1A1	F-C1A1	20	1616324		
	F-DE	F-DE	10	1616814		
1946	G-B1A3	G-B1A3	40	1616699		On Drive A (top drive). (MIM 150, 802)
	G-DE	G-DE	40	1616119		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1947	F-A1A2	F-A1A2	40	1616312	30MB Dgl card	On Drive A (top drive). This will result when the power/driver cable (F-B1A5) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	F-C1A1	F-C1A1	40	1616312 1616814	60MB Dgl card Drive card	
1948	F-A1A2	F-A1A2	35	1616312	30MB Dgl card	On Drive A (top drive). This will result when the power/driver cable (F-B1A5) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	F-C1A1	F-C1A1	35	1616312	60MB Dgl card	
	F-DE	F-DE	10	1616814 1616699 1616119	Drive card A2 (30MB HDA) A3 (60MB HDA)	
1949	F-B1A3	F-B1A3	40	4044272	30MB Alg card	On Drive A (top drive). (MIM 150, 802)
	F-A1A2	F-A1A2	20	1616324 1616312	60MB Alg card 30MB Dgl card	
	F-DE	F-DE	20	1616312 1616699 1616119	60MB Dgl card A2 (30MB HDA) A3 (60MB HDA)	
194A	A-A1B2	A-A1B2	30	2462200	Disk A adptr	On Drive A (top drive). This will result when the signal cable (A-A1YJ - F-B1A2) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	
	F-B1A3	F-B1A3	30	1616312 4044272	60MB Dgl card 30MB Alg card	
	A-A1YJ	A-A1YJ	5	1616324 2453100	60MB Alg card Signal cable	
	F-B1A2	F-B1A2	5	2453100	Signal cable	

B18

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
194C	F-C1A1	F-C1A1	60	1616814	Drive card	On Drive A (top drive). Fuse has blown. Replace FRUs in the order listed. Where two FRUs are listed both must be replaced or the failing FRU will destroy the C1A1 card. (MIM 150, 802)
	F-A1A2	F-A1A2	20	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	and F-C1A1	and F-C1A1		1616814	Drive card	
	F-DE	F-DE	1	1616814	Drive card	
			1616699	A2 (30MB HDA)		
			1616119	A3 (60MB HDA)		
194E	F-DE	F-DE	50	1616699	A2 (30MB HDA)	Possible media error. Run Pack Analysis. (MIM 150, 802, 338).
			1616119	A3 (60MB HDA)		
194F	A-A1A2	A-A1A2	60	2462200	Disk B adptr	No failure found for Driv A. If you have previous SRCs, use those to identify the failing FRU. If disk problems are still suspected on drive A, run Pack Analysis (MIM 338). If this a two disk drive system, replace the FRUs in the order listed. (MIM 150, 802)
	A-A1C2	A-A1C2	40	2462209	DSA2 card	
1950	G-A1A2	G-A1A2	60	1616312	60MB Dgl card	(MIM 150, 802)
1951	A-A1A2	A-A1A2	45	2462200	Disk B adptr	(MIM 150, 802)
	A-A1C2	A-A1C2	45	2462209	DSA2 card	
1952	A-A1A2	A-A1A2	45	2462200	Disk B adptr	On Drive B (bottom drive) This will result when the signal cable (A-A1ZA - G-B1A2) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	G-A1A2	G-A1A2	45	1616312	60MB Dgl card	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1953	Analog Digital HDA	Analog Digital HDA	40 30 20			On Drive B (bottom drive) (MIM 150, 802)
1954	G-A1A2 G-B1A3 G-C1A1	G-A1A2 G-B1A3 G-C1A1	50 20 20	1616312 1616324 1616814	60MB Dgl card 60MB Alg card Drive card	On Drive B (bottom drive) This will result when the power/driver cable (G-B1A5) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
1955	G-A1A2 G-B1A3 G-C1A1 G-DE	G-A1A2 G-B1A3 G-C1A1 G-DE	40 20 20 10	1616312 1616324 1616814 1616119	60MB Dgl card 60MB Alg card Drive card A3(60MB HDA)	On Drive B (bottom drive) This will result when the power/driver cable (G-B1A5) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
1956	G-B1A3 G-DE	G-B1A3 G-DE	40 40	1616324 1616119	60MB Alg card A3(60MB HDA)	On Drive B (bottom drive) (MIM 150, 802)
1957	G-A1A2 G-C1A1	G-A1A2 G-C1A1	40 40	1616312 1616814	60MB Dgl card Drive card	On Drive B (bottom drive) This will result when the power/driver cable (G-B1A5) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)

C2

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1958	G-A1A2	G-A1A2	35	1616312	60MB Dgl card	On Drive B (bottom drive) This will result when the power/ driver cable (G-B1A5) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	G-C1A1	G-C1A1	35	1616814	Drive card	
	G-DE	G-DE	10	1616119	A3(60MB HDA)	
1959	G-B1A3	G-B1A3	40	1616324	60MB Alg card	On Drive B (bottom drive) (MIM 150, 802)
	G-A1A2	G-A1A2	20	1616312	60MB Dgl card	
	G-DE	G-DE	20	1616119	A3(60MB HDA)	
195A	A-A1A2	A-A1A2	30	2462200	Disk B adptr	On Drive B (bottom drive) This will result when the signal cable (A-A1ZA - G-B1A2) is poorly connected. Reseat the cable and run the disk problem determination procedures. (MIM 150, 802)
	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
195C	G-C1A1	G-C1A1	60	1616814	Drive card	On Drive B (bottom drive) Fuse has blown. Replace FRUs in the order listed. Where two FRUs are listed both must be replaced or the failing FRU will destroy the C1A1 card. (MIM 150, 802)
	G-A1A2	G-A1A2	20	1616312	60MB Dgl card	
	and G-C1A1	and G-C1A1		1616814	Drive card	
	G-DE	G-DE	1	1616119	Drive card A3(60MB HDA)	
195E	G-DE	G-DE	50	1616119	A3(60MB HDA)	Possible media error. Run Pack Analysis (MIM 338). (MIM 150, 802)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
195F						No failure found for Drive A and Drive B. If you have previous SRCs, use those to identify the failing FRU. If disk problems are still suspected, run Pack Analysis (MIM 338). (MIM 150, 802)
197F						Error not determined. Run disk problem determination procedures. (MIM 105, 802)
19A0	Drive A A-A1B2 F-A1A2 Drive B A-A1A2 G-A1A2	Drive A A-A1B2 F-A1A2 Drive B A-A1A2 G-A1A2	50 40 50 40	2462200 1616312 1616312 2462200 1616312	Disk A adptr 30MB Dgl card 60MB Dgl card Disk B adptr 60MB Dgl card	Disk Interface Parity Check. (MIM 105)
19A1	Drive A F-B1A3 F-A1A2 F-C1A1 F-DE Drive B G-B1A3 G-A1A2 G-C1A1 G-DE	Drive A F-B1A3 F-A1A2 F-C1A1 F-DE Drive B G-B1A3 G-A1A2 G-C1A1 G-DE	40 30 10 10 40 30 10 10	4044272 1616324 1616312 1616312 1616814 1616699 1616119 1616324 1616312 1616814 1616119	30MB Alg card 60MB Alg card 30MB Dgl card 60MB Dgl card Drive card A2 (30MB HDA) A3 (60MB HDA) 60MB Alg card 60MB Dgl card Drive card A3(60MB HDA)	Card Unsafe Check. (MIM 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19A2	Drive A F-A1A2	Drive A F-A1A2	40	1616312	30MB Dgl card	DE Unsafe Check. "- Data Protect" line may be the problem. See SRC 2302. (MIM 105)
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	30	4044272	30MB Alg card	
				1616324	60MB Alg card	
	A-A1B2	A-A1B2	20	2462200	Disk A adptr	
	F-C1A1	F-C1A1	5	1616814	Drive card	
	F-DE	F-DE	1	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B G-A1A2	Drive B G-A1A2	40	1616312	60MB Dgl card	
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
	A-A1A2	A-A1A2	20	2462200	Disk B adptr	
	G-C1A1	G-C1A1	5	1616814	Drive card	
	G-DE	G-DE	1	1616119	A3(60MB HDA)	
	19A3	Drive A A-A1B2	Drive A A-A1B2	40	2462200	
F-A1A2		F-A1A2	30	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
F-B1A3		F-B1A3	20	4044272	30MB Alg card	
				1616324	60MB Alg card	
Drive B A-A1A2		Drive B A-A1A2	40	2462200	Disk B adptr	
G-A1A2		G-A1A2	30	1616312	60MB Dgl card	
G-B1A3		G-B1A3	20	1616324	60MB Alg card	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS		
19A7	Drive A F-B1A3	Drive A F-B1A3	40	4044272	30MB Alg card	Servo Unsafe Check. (MIM 105)		
				1616324	60MB Alg card			
	F-A1A2	F-A1A2	15	1616312	30MB Dgl card			
				1616312	60MB Dgl card			
	F-C1A1	F-C1A1	15	1616814	Drive card			
	F-DE	F-DE	5	1616699	A2 (30MB HDA)			
				1616119	A3 (60MB HDA)			
	Drive B G-B1A3	Drive B G-B1A3	40	1616324	60MB Alg card			
	G-A1A2	G-A1A2	30	1616312	60MB Dgl card			
	G-C1A1	G-C1A1	15	1616814	Drive card			
G-DE	G-DE	5	1616119	A3(60MB HDA)				
19A8	Drive A F-A1A2	Drive A F-A1A2	40	1616312	30MB Dgl card	Motor/ Proc Unsafe Check. (MIM 105)		
				1616312	60MB Dgl card			
	F-C1A1	F-C1A1	30	1616814	Drive card			
	F-DE	F-DE	25	1616699	A2 (30MB HDA)			
				1616119	A3 (60MB HDA)			
	Drive B G-A1A2	Drive B G-A1A2	40	1616312	60MB Dgl card			
	G-C1A1	G-C1A1	30	1616814	Drive card			
	G-DE	G-DE	25	1616119	A3(60MB HDA)			
	19A9	Drive A A-A1C2/ A-A1D2	Drive A A-A1C2/ A-A1D2	50	2462209		DSA2 card	Interrupt Timeout Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
		A-A1B2	A-A1B2	40	2462200		DSA1 card	
Drive B A-A1C2		Drive B A-A1C2	50	2462209	Disk A adptr			
A-A1A2		A-A1A2	40	2462200	DSA2 card			
					Disk B adptr			
19AA	A-A1C2	A-A1C2	90	2462209	DSA2 card	Cycle Steal Address Check If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19Ab	Drive A	Drive A	50	2462209	DSA2 card	Command Parity Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1C2	A-A1C2		2462201	DSA1 card	
	A-A1D2	A-A1D2	40	2462200	Disk A adptr	
	Drive B	Drive B		50	2462209	
A-A1C2	A-A1C2	40	2462200	Disk B adptr		
19AC	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	90	2462209 2462201	DSA2 card DSA1 card	Cycle Steal Parity Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
19Ad	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	90	2462209 2462201	DSA2 card DSA1 card	DSA Buffer Write Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
19AE	Drive A	Drive A	50	2462200	Disk A adptr	Interface Timeout Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2		40	2462209	
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	50	2462201	DSA1 card	
	Drive B	Drive B		40	2462200	
A-A1A2	A-A1A2	40	2462209	DSA2 card		
19AF	Drive A	Drive A	50	2462209	DSA2 card	DSA Data Bus Parity Check If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2		40	2462201	
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	Drive B	Drive B		40	2462209	
A-A1C2	A-A1C2	40	2462200	Disk B adptr		
A-A1A2	A-A1A2					

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19b0	Drive A	Drive A				Data Overrun Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	40	2462200	Disk A adptr	
	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	20	2462209	DSA2 card	
	Drive B	Drive B		2462201	DSA1 card	
	A-A1A2	A-A1A2	40	2462200	Disk B adptr	
	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	
	A-A1C2	20	2462209	DSA2 card		
19b1	Drive A	Drive A				CRC/ECC Check. Have customer run "BUILD" procedure first If problem persists, replace FRU. Run Pack Analysis. (MIM 338). (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	F-B1A3	F-B1A3	30	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-C1A1	F-C1A1	10	1616814	Drive card	
	F-DE	F-DE	1	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B	Drive B				
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
	G-C1A1	G-C1A1	10	1616814	Drive card	
	G-DE	G-DE	1	1616119	A3(60MB HDA)	
19b2	Drive A	Drive A				No Record Found Check. Have customer run "BUILD" procedure first If problem persists, replace FRU. Run Pack Analysis. (MIM 338). (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	F-B1A3	F-B1A3	30	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-C1A1	F-C1A1	10	1616814	Drive card	
	F-DE	F-DE	1	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B	Drive B				
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
	G-C1A1	G-C1A1	10	1616814	Drive card	
	G-DE	G-DE	1	1616119	A3(60MB HDA)	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19b3	Drive A	Drive A	50	2462200	Disk A adptr	Command Cycle Parity Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	40	2462209	DSA2 card	
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2		2462201	DSA1 card	
	Drive B	Drive B	50	2462200	Disk B adptr	
	A-A1A2	A-A1A2	40	2462209	DSA2 card	
19b4	Drive A	Drive A	40	2462200	Disk A adptr	Cable Continuity Check. Ensure that cable F-B1A2 or G-B1A2 is plugged in properly. (MIM 105)
	A-A1B2	A-A1B2	30	1616312	30MB Dgl card	
	F-A1A2	F-A1A2		1616312	60MB Dgl card	
	F-B1A2	F-B1A2	20	2453100	Signal cable	
	Drive B	Drive B	40	2462200	Disk B adptr	
	A-A1A2	A-A1A2	30	1616312	60MB Dgl card	
G-A1A2	G-A1A2	20	2453100	Signal cable		
	G-B1A2	G-B1A2				
19b5	Drive A	Drive A	50	2462209	DSA2 card	Data Cycle Parity Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2		2462201	DSA1 card	
	A-A1B2	A-A1B2	40	2462200	Disk A adptr	
	Drive B	Drive B	50	2462209	DSA2 card	
	A-A1C2	A-A1C2	40	2462200	Disk B adptr	
19b6	Drive A	Drive A	40	2462200	Disk A adptr	Sync Not Found check. Have customer run "BUILD" procedure first If problem persists, replace FRU. Run Pack Analysis. (MIM 105, 338).
	Drive B	Drive B	40	2462200	Disk B adptr	
	A-A1A2	A-A1A2				

C10

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19b7	Drive A	Drive A				Disk Write Data Check. (MIM 105)
	A-A1B2	A-A1B2	40	2462200	Disk A adptr	
	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	20	4044272	30MB Alg card	
				1616324	60MB Alg card	
	Drive B	Drive B				
	A-A1A2	A-A1A2	40	2462200	Disk B adptr	
G-A1A2	G-A1A2	30	1616312	60MB Dgl card		
G-B1A3	G-B1A3	20	1616324	60MB Alg card		
19b8	Drive A	Drive A				Command Reject Check. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead. (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	A-A1C2/	A-A1C2/	40	2462209	DSA2 card	
	A-A1D2	A-A1D2		2462201	DSA1 card	
	Drive B	Drive B				
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
A-A1C2	A-A1C2	40	2462209	DSA2 card		
19b9	Drive A	Drive A				Data Cycle Underrun Check (MIM 105)
	F-A1A2	F-A1A2	50	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	40	4044272	30MB Alg card	
				1616324	60MB Alg card	
	Drive B	Drive B				
G-A1A2	G-A1A2	50	1616312	60MB Dgl card		
G-B1A3	G-B1A3	40	1616324	60MB Alg card		
19bA	Drive A	Drive A				Ensure that cable F-B1A2 or G-B1A2 is plugged in properly. (MIM 105)
	A-A1B2	A-A1B2	50	2462200	Disk A adptr	
	F-A1A2	F-A1A2	40	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	Drive B	Drive B				
	A-A1A2	A-A1A2	50	2462200	Disk B adptr	
G-A1A2	G-A1A2	40	1616312	60MB Dgl card		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19FF						Error not determined. Run disk problem determination procedures. Run Pack Analysis. (MIM 105, 802, 338).
1C00	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	50 50	2462208 2462210	WS adptr cd WS ctrl cd	Work station adapter default code. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRU indicated by 1C00 SRC
1C01	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	70 30	2462208 2462210	WS adptr cd WS ctrl cd	The system has a process check caused by the work station attachment. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by 1C01 SRC.
1C02	A-A1Q2	A-A1R2	99	2462210	WS ctrl cd	The work station controller failed. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRU indicated by 1C02 SRC.
1C03	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	80 20	2462208 2462210	WS adptr cd WS ctrl cd	The work station adapter didn't complete its cycle steal operation. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by 1C03 SRC.

C12

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1C04	Mcode	Mcode	99	-----	Micro code	There is a work station microcode error. No hardware errors are indicated. Call your PSR.
1C05	A-A1P2	A-A1Q2	99	2462208	WS adptr cd	The work station adapter has a hardware error but completed its cycle steal operation. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by 1C05 SRC.
1C10	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	50 50	2462208 2462203	WS adptr cd CSP card	Base work station adapter default code. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by 1C10 SRC.
1C11	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	70 30	2462208 2462203	WS adptr cd CSP card	System has a processor check caused by a work station hardware error. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by 1C11 SRC.
1C13	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	80 20	2462208 2462203	WS adptr cd CSP card	The base work station adapter didn't complete its cycle steal operation. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by 1C13 SRC.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1C15	A-A1Q2	A-A1R2	99	2462208	WS adptr cd	The base work station adapter has a hardware error but completed its cycle steal. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by 1C15 SRC.
1d01	A-A1D2 A-A1B2	A-A1D2 A-A1B2	95 4	2462201 2462200	DSA1 card Disk A adptr	Attachment data bus parity check command reject, load parity check command/senses parity check, adapter senses parity check, buffer write check.
1d02	DCC A-A1D2 Drive A-A1YB	DCC A-A1D2 Drive A-A1YB	65 30 4 1	4240728 2462201 4240512 4240513 4240516 4240517 2453107	Drive Ctrl cd DSA1 card Dskt100V 50Hz Dskt200V 50Hz Dskt100V 60Hz Dskt200V 60Hz Signal cable	Interface timeout interrupt timeout. DCC = drive control card See MIM 602 for isolating diskette drive problems.
1d03	A-A1B2 A-A1D2 A-A1G2 A-A1Q2 A-A1C2 A-A1T2 A-A1U2 A-A1G2	A-A1B2 A-A1D2 A-A1K2 A-A1R2 A-A1C2 A-A1H2 A-A1T2 A-A1U2 A-A1G2	25 25 10 10 10 10 5 5 1	2462200 2462201 2462203 2462208 2462210 2462209 2462265 2462221 2462210 2462211 2462212 2462214 2462213 2462215 2462259	Disk A adptr DSA1 card CSP card WS adptr cd WS ctrl cd DSA2 card DSC Ctrl cd DSC f-t cd ELCA ctrl cd SLCA f-t cd CSEIA card CSDDA card CSX21 card CSV35 card DFCA Cntl cd	Cycle steal parity check. If SLCA installed, A1U2 is more probable than A1T2. If MLCA installed, A1T2 is more probable than A1U2.

C14

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
1d05	A-A1D2	A-A1D2	85	2462201	DSA1 card	Overrun or underrun.	
	A-A1G2	A-A1K2	15	2462203	CSP card		
1d06	A-A1D2	A-A1D2	80	2462201	DSA1 card	Write gate wrap check, unsafe. DCC = drive control card See MIM 602 for isolating drive problems.	
	DCC	DCC	19	4240728	Drive Ctrl cd		
	A-A1YB	A-A1YB	1	2453107	Signal cable		
1d0A	Operate Drive	Operate Drive	60	20	4240512	Dskt100V 50Hz	Diskette not at speed (stopped, slow or fast. No diskette in drive. Diskette inserted wrong. cable. See MIM 602 for isolating diskette drive problems.
				4240513	Dskt200V 50Hz		
				4240516	Dskt100V 60Hz		
				4240517	Dskt200V 60Hz		
				4240728	Drive Ctrl cd		
	DCC	DCC	10	5	4240677	100v dskt mtr	
				2	2462201	DSA1 card	
	ACMotor	ACMotor	5	2	4240605	60Hz dskt blt	
				1	4240604	50Hz dskt blt	
	A-A1D2	A-A1D2	2	1	2453107	Signal cable	
1				2453102	100vac filter		
Belt	Belt	1	1	2453107	Signal cable		
			1	2453102	100vac filter		
A-A1YB	A-A1YB	1	1	2453107	Signal cable		
			1	2453102	100vac filter		
ACCable	ACCable	1	1	2453107	Signal cable		
			1	2453102	100vac filter		
1d0b	User Program	User Program	95			System received not valid parameter (noop).	
1d0C	A-A1D2 Drive	A-A1D2 Drive	45	45	2462201	DSA1 card	Cylinder mismatch. Seek control not valid. See MIM 602 for isolating diskette drive problems.
				4240512	Dskt100V 50Hz		
				4240513	Dskt200V 50Hz		
				4240516	Dskt100V 60Hz		
				4240517	Dskt200V 60Hz		
	DCC	DCC	9	1	4240728	Drive Ctrl cd	
1				2453107	Signal cable		
A-A1YB	A-A1YB	1	1	2453107	Signal cable		
			1	2453102	100vac filter		
1d0F	Media Drive	Media Drive	95	3	4240512	Dskt100V 50Hz	CRC check; AM not found. ID not found; write verify unequal. If unable to separate media/operator/hardware, run diskette OLPD.
Other	Other	2	3	4240513	Dskt200V 50Hz		
			4240516	Dskt100V 60Hz			
			4240517	Dskt200V 60Hz			

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1dA0	A-A1D2	A-A1D2	99	2462201	DSA1 card	Error while running wraps to attachment card. DCC, signal cable. See MI 602 for isolating diskette drive problems.
1dA1	Drive	Drive	70	4240513	Dskt200V 50Hz	Cannot read cylinder 0 head 0. See MIM 602 for isolating diskette drive problems.
	DCC	DCC	25	4240517	Dskt200V 60Hz	
	A-A1D2	A-A1D2	4	4240728	Drive Ctrl cd	
	A-A1YB	A-A1YB	1	2462201	DSA1 card	
1dA2	Drive	Drive	90	4240513	Dskt200V 50Hz	Worn-head test fails on head 0. See MIM 602 for isolating diskette drive problems.
	DCC	DCC	6	4240517	Dskt200V 60Hz	
	A-A1D2	A-A1D2	3	4240728	Drive Ctrl cd	
	A-A1YB	A-A1YB	1	2462201	DSA1 card	
1dA3	Drive	Drive	90	4240513	Dskt200V 50Hz	Worn-head test fails on head 1. See MIM 602 for isolating diskette drive problems.
	DCC	DCC	6	4240517	Dskt200V 60Hz	
	A-A1D2	A-A1D2	3	4240728	Drive Ctrl cd	
	A-A1YB	A-A1YB	1	2462201	DSA1 card	
1dA4	Drive	Drive	90	4240513	Dskt200V 50Hz	Worn-head test fails on both 0 and 1. See MIM 602 for isolating diskette drive problems.
	DCC	DCC	6	4240517	Dskt200V 60Hz	
	A-A1D2	A-A1D2	3	4240728	Drive Ctrl cd	
	A-A1YB	A-A1YB	1	2462201	DSA1 card	
1dA5	Drive	Drive	90	4240513	Dskt200V 50Hz	Scan test fails (hardware error) during OLPD after drive test ran good. See MIM 602 for isolating diskette drive problems.
	DCC	DCC	6	4240517	Dskt200V 60Hz	
	A-A1D2	A-A1D2	3	4240728	Drive Ctrl cd	
	A-A1YB	A-A1YB	1	2462201	DSA1 card	
2000						Load hardware registers Enable timer. Run auto-configure/customize. Re-IPL with wraps.

C16

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2001						Initialize nucleus. Build page tables. Build system control blocks. Problem due to bad memory or incorrect memory configuration. Run auto-configure/customize. Re-IPL with wraps.
2002						Initialize main storage - Problem due to bad memory or incorrect memory configuration. Run auto-Configure/Customize. Re-IPL with wraps.
2010						Initial fixed nucleus. Build resident ACE's and IOB's. Run auto-configure customize. Re-IPL with wraps.
2012						First disk operation. Rea in Control Store Library Problem due to bad disk hardware or incorrect dis configuration. Run auto-configure/customize. Re-IPL with wraps.
2013						Process Control Store Library. Problem due to error in CS directory or in processing it. Run auto-configure/customize. Re-IPL with wraps.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2014						Process UDT. Problem due to error in UDT or in processing it. Run auto-configure/ customize. Re-IPL with wraps.
2016						Initial I/O logging table Call logging module \$IPL0 Problem due to logging tables or disk errors. Run auto-configure/ customize. Re-IPL with wraps.
2018						IPL the MLCA controller Problem due to loading controller code or the actual MLCA controller Run auto-configure/ customize. Re-IPL with wraps.
2019						IPL the LAN controller. Problem due to loading controller code or the communications hardware. Run auto-configure/ customize. Re-IPL with wraps.
201A						IPL the DSC(Data storage controller) Problem due t loading controller code o the actual DSC hardware. Run auto-configure/ customize. Re-IPL with wraps.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
201C						IPL the Work Station Controller. Problem due to loading controller code on the actual WSC. Run auto-configure/customize. Re-IPL with wraps.
2021						Read in Main Storage boot strap code from disk. Problem due to disk error. Run auto-configure/customize. Re-IPL with wraps.
2030						Load tape and diskette microcode. Problem due to disk error. Run auto-configure/customize. Re-IPL with wraps.
2034						Set up for diskette re-load. Issue Recalibrate command. Problem due to diskette drive error or system configuration. Run auto-configure/customize. Re-IPL with wraps.
2035						Read volume label from diskette. Problem due to incorrect insertion of diskette, no diskette inserted, or bad diskette drive. Check diskette and diskette drive. Run auto-configure/customize. Re-IPL with wraps.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2036						Read in Main Storage boot code from diskette. Problem due to diskette or diskette drive error. Check diskette and and diskette drive. Run auto-configure/customize. Re-IPL with wraps.
2050						Set up for tape. Issue Cancel command. Problem due to tape drive or configuration. Run auto-configure/customize. Re-IPL with wraps.
2051						Set up for tape. Issue Mode Set command. Problem due to tape drive or configuration. Run auto-configure/customize. Re-IPL with wraps.
2052						Read volume Id from tape. Problem due to tape or tape drive. Tape was specified as the only device for reload, but th tape is an unlabeled tape Check tape and tape drive Run auto-configure/customize. Re-IPL with wraps.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2053						<p>Read label from tape. Problem due to tape or tape drive. Tape was specified as the only device for reload, but th tape is an IPL tape. Check tape and tape drive An MS IPL can be performed from diskette by using default reload parameters Run auto-configure/ customize. Re-IPL with wraps.</p>

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2054	A-A1D2	A-A1D2	40	2462201	DSA1 card	<p>Read main storage boot-strap from tape. Problem due to tape or tape drive Run auto-configure/ customize. Re-IPL with wraps. BDDA not found. Channel failure.</p> <p>See channel isolation procedure (MIM 155). If SLCA installed, A1U2 is more probable than A1T2. If MLCA installed, A1T2 is more probable than A1U2. Note: Work Stations may have either the outboard controller (work station expansion system) or work station adapter (base system), depending on system configuration.</p>
	A-A1G2	A-A1K2	30	2462203	CSP card	
		A-A1H2	20	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1Q2	A-A1R2	2	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1C2	A-A1C2	2	2462209	DSA2 card	
	A-A1T2	A-A1T2	2	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2	A-A1U2	2	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2	A-A1V2	1	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
A-A1F2		1	2462202	Cntl panel cd		
	A-A1J2		2462219	Cntl panel cd		
A-A1S2	A-A1S2	1	2462289	LAN Adptr cd		
A-A1R2		1	SEE CD	LAN f-t cd		
	A-A1G2		2462259	DFCA Cntl cd		
2101	A-A1D2	A-A1D2	95	2462201	DSA1 card	Attachment data bus parity check, command reject, load parity check, command/sense parity check adapter sensed parity check, buffer write check
	A-A1B2	A-A1B2	4	2462200	Disk A adptr	

D4

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2102	DCC	DCC	65	4240728	Drive Ctrl cd	Interrupt timeout. DCC = drive control card See MIM 602 for isolating diskette drive problems.
	A-A1D2 Drive	A-A1D2 Drive	30 4	2462201 4240512 4240513 4240516 4240517	DSA1 card Dskt100V 50Hz Dskt200V 50Hz Dskt100V 60Hz Dskt200V 60Hz	
	A-A1YB	A-A1YB	1	2453107	Signal cable	
2103	A-A1C2	A-A1C2	60	2462209	DSA2 card	Cycle steal parity check. See channel isolation procedure (MIM 155). If SLCA is installed, A1U2 is more probable tha A1T2. If MLCA is installed, A1T2 is more probable tha A1U2.
	A-A1D2	A-A1D2	25	2462201	DSA1 card	
		A-A1H2	5	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1G2	A-A1K2	2	2462203	CSP card	
	A-A1Q2	A-A1R2	2	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1T2	A-A1T2	2	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2	A-A1U2	2	2462212	CSEIA card	
			2462214	CSDDA card		
			2462213	CSX21 card		
			2462215	CSV35 card		
		A-A1G2	1	2462259	DFCA Cntl cd	
2105	A-A1D2	A-A1D2	90	2462201	DSA1 card	Overrun/underrun.
	A-A1G2	A-A1K2	5	2462203	CSP card	
2106	A-A1D2	A-A1D2	50	2462201	DSA1 card	Write gate wrap check, unsafe. See MIM 602 for isolating diskette drive problems. DCC = drive control card
	DCC	DCC	49	4240728	Drive Ctrl cd	
	A-A1YB	A-A1YB	1	2453107	Signal cable	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
210A	Operate Drive	Operate Drive	60	4240512	Dskt100V 50Hz	Diskette stopped/slow, or fast, no diskette in drive, diskette inserted wrong. DCC = drive control card See MIM 602 for isolating diskette drive problems.
				4240513	Dskt200V 50Hz	
			4240516	Dskt100V 60Hz		
			4240517	Dskt200V 60Hz		
			10	4240728	Drive Ctrl cd	
	5	4240677	100v dskt mtr			
	2	2462201	DSA1 card			
	1	4240605	60Hz dskt blt			
DCC	DCC	DCC	1	4240604	50Hz dskt blt	
			1	2453107	Signal cable	
			1	2453102	100vac filter	
210C	Drive	Drive	90	4240512	Dskt100V 50Hz	Cylinder mismatch, seek control not valid. DCC = drive control card See MIM 602 for isolating diskette drive problems.
				4240513	Dskt200V 50Hz	
			4240516	Dskt100V 60Hz		
			4240517	Dskt200V 60Hz		
			8	4240728	Drive Ctrl cd	
	1	2462201	DSA1 card			
	1	2453107	Signal cable			
210F	Drive	Drive	94	4240512	Dskt100V 50Hz	Write verify unequal, CRC check, AM2 not found, ID not found. Diagnostic media is assumed to be good. DCC = drive control card See MIM 602 for isolating diskette drive problems.
				4240513	Dskt200V 50Hz	
			4240516	Dskt100V 60Hz		
			4240517	Dskt200V 60Hz		
			4	4240728	Drive Ctrl cd	
	1	2462201	DSA1 card			
	1	2453107	Signal cable			

D6

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2110	A-A1D2	A-A1D2	75	2462201	DSA1 card	Buffer adapter wraps failed. See channel isolation procedure (MIM 155). Note: See note in SRC 2100 regarding work station cards.
	A-A1G2	A-A1K2	15	2462203	CSP card	
		A-A1H2	5	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1Q2	A-A1R2	1	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1C2	A-A1C2	1	2462209	DSA2 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2/	A-A1U2/	1	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
2120	A-A1D2	A-A1D2	65	2462201	DSA1 card	Parity Check test failed. TCC = top card connector
	A-A1B2	A-A1B2	34	2462200	Disk A adptr	
2130	A-A1D2	A-A1D2	90	2462201	DSA1 card	Diskette DLC wraps failed DCC = drive control card Re-IPL before replacing any FRUs.
	DCC	DCC	5	4240728	Drive Ctrl cd	
	A-A1G2	A-A1K2	3	2462203	CSP card	
	A-A1Q2	A-A1R2	2	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1P2	A-A1Q2	1	2462208	WS adptr cd	
2150	A-A1D2	A-A1D2	99	2462201	DSA1 card	BDDA wraps complete, loader failed.
		A-A1G2	1	2462259	DFCA Cntl cd	

D7

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2210	A-A1C2	A-A1C2	55	2462209	DSA2 card	DSA2 ROS tests failed. Run disk problem determination procedures. If no problem is found in disk, go to Channel Isolation procedure (MIM 155) For communication cards, this is a 131 MS oscillator problem. (MIM 105, 802)
	A-A1G2	A-A1K2	20	2462203	CSP card	
		A-A1H2	10	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1B2	A-A1B2	5	2462200	Disk A adptr	
	A-A1D2	A-A1D2	2	2462201	DSA1 card	
	A-A1Q2	A-A1R2	2	2462208	WS adptr cd	
				2462210	WS ctrl cd	
	A-A1A2	A-A1A2	1	2462200	Disk B adptr	
		A-A1G2	1	2462259	DFCA Cntl cd	
	A-A1R2		1	SEE CD	LAN f-t cd	
	A-A1S2	A-A1S2	1	2462289	LAN Adptr cd	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2/	A-A1U2/	1	2462212	CSEIA card	
				2462214	CSDDA card	
			2462213	CSX21 card		
			2462215	CSV35 card		
	A-A1V2	A-A1V2				
	A-A1W2	A-A1W2				
	A-A1X2	A-A1X2				
2290	A-A1B2	A-A1B2	50	2462200	Disk A adptr	-- ROS Disk Loader -- Unexpected error before or during load. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2 (MIM 105, 802)
	A-A1C2/	A-A1C2/	30	2462209	DSA2 card	
	A-A1D2	A-A1D2		2462201	DSA1 card	

D8

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2291	A-A1B2 A-A1C2/ A-A1D2 F-A1A2 F-B1A3 A-A1YJ F-DE	A-A1B2 A-A1C2/ A-A1D2 F-A1A2 F-B1A3 A-A1YJ F-DE	40 30 10 5 5 2	2462200 2462209 2462201 1616312 1616324 4044272 1616324 2453100 1616699 1616119	Disk A adptr DSA2 card DSA1 card 30MB Dgl card 60MB Dgl card 30MB Alg card 60MB Alg card Signal cable A2 (30MB HDA) A3 (60MB HDA)	-- ROS Disk Loader -- Severe hardware error Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2 (MIM 105, 802)
2292	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ	70 25 5	2462209 2462201 2462200 2453100	DSA2 card DSA1 card Disk A adptr Signal cable	-- ROS Disk Loader -- DSA error Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2 (MIM 105, 802)
2293	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ F-A1A2	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ F-A1A2	45 35 5 5	2462209 2462201 2462200 2453100 1616312 1616312	DSA2 card DSA1 card Disk A adptr Signal cable 30MB Dgl card 60MB Dgl card	-- ROS Disk Loader -- Interrupt Timeout Check Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2 (MIM 105, 802)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2294	A-A1B2	A-A1B2	55	2462200	Disk A adptr	-- ROS Disk Loader -- ECC error. Ensure cable A-A1YJ is properly seated. Media or data problem. Run pack analysis - follo recommended actions (MIM 338). If that doesn't fi - reload microcode (MIM 324). If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
	F-B1A3	F-B1A3	15	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-A1A2	F-A1A2	15	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
	F-DE	F-DE	2	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
2295	A-A1B2	A-A1B2	65	2462200	Disk A adptr	-- ROS Disk Loader -- NRF error. Ensure cable A-A1YJ is properly seated. Media problem. Run pack analysis - follo recommended actions (MIM 338). If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
	F-B1A3	F-B1A3	15	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
	F-DE	F-DE	2	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	

D10

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
22A0						-- ROS Disk Loader -- Successful completion Indicates failure in execution of code from load. Customization may b wrong - reload microcode (MIM 324). If doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
2301	A-A1B2 A-A1C2/ A-A1D2 A-A1YJ A-A1A2	A-A1B2 A-A1C2/ A-A1D2 A-A1YJ A-A1A2 A-A1G2	70 20 5 5 1	2462200 2462209 2462201 2453100 2462200 2462259	Disk A adptr DSA2 card DSA1 card Signal cable Disk B adptr DFCA Cntl cd	Adapter reg wrap failed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. Possible +POR failure. Check power supply and cable. (MIM 435, 105, 802)
2302	A-A1B2 F-A1A2 A-A1YJ A-A1F2 Pwr Sup DCCable	A-A1B2 F-A1A2 A-A1YJ A-A1J2 Pwr Sup A-A1G2 DCCable	45 45 5 2 2 1 1	2462200 1616312 1616312 2453100 2462202 2462219 5561773 5561774 2462259 2453107	Disk A adptr 30MB Dgl card 60MB Dgl card Signal cable Cntl panel cd Cntl panel cd P S 100 Volt P S 200 Volt DFCA Cntl cd Pwr Dist cbl	Adapter/Disk interface wrap failed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. Possible Data Protect failure. Check power supply and cable. (MIM 435, 105, 802)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2303	A-A1B2	A-A1B2	70	2462200	Disk A adptr	Set interrupt req failed. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	20	2462209	DSA2 card	
		A-A1D2		2462201	DSA1 card	
		A-A1G2	1	2462259	DFCA Cntl cd	
2304	F-A1A2	F-A1A2	50	1616312	30MB Dgl card	Motor Stop/POR test failed. Ensure cables A-A1YJ and F-B1A5 are properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
				1616312	60MB Dgl card	
	F-C1A1	F-C1A1	20	1616814	Drive card	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
	F-B1A5	F-B1A5	5	2453101	21ED Pwr Cbl	
	A-A1B2	A-A1B2	5	2462200	Disk A adptr	
	F-DE	F-DE	5	1616699	A2 (30MB HDA)	
			1616119	A3 (60MB HDA)		
2305	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Motor Start test failed. Ensure cable F-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	20	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-C1A1	F-C1A1	20	1616814	Drive card	
	F-DE	F-DE	10	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	F-B1A5	F-B1A5	5	2453101	21ED Pwr Cbl	
	A-A1S2	A-A1S2	1	2462289	LAN Adptr cd	
	A-A1R2		1	SEE CD	LAN f-t cd	
	A-A1B2	A-A1B2	5	2462200	Disk A adptr	
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	5	2462209	DSA2 card	
	A-A1D2		2462201	DSA1 card		
	A-A1G2	1	2462259	DFCA Cntl cd		

D12

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2306	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Adapter Read Manufacturin Cylinder Data failed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. Note: This test checks fo a 30 or 60 on manufacturing cylinder. This test will fail if data is not present. (MIM 105, 802)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	60MB Dgl card	
	F-DE	F-DE	10	1616324	30MB Alg card	
	A-A1YJ	A-A1YJ	5	2453100	60MB Alg card	
	A-A1S2	A-A1S2	1	2462289	A2 (30MB HDA)	
	A-A1R2	A-A1G2	1	SEE CD	A3 (60MB HDA)	
		1	2462259	Signal cable		
				LAN Adptr cd		
				LAN f-t cd		
				DFCA Cntl cd		
2307	A-A1A2	A-A1A2	45	2462200	Disk B adptr	Microprocessor Checkout A3 bit error. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
	G-B1A3	G-B1A3	45	1616324	60MB Alg card	
2308	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Read/Write/Read/Verify Read CE Cylinder failed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	60MB Dgl card	
	F-DE	F-DE	10	1616324	30MB Alg card	
	A-A1YJ	A-A1YJ	5	2453100	60MB Alg card	
				A2 (30MB HDA)		
				A3 (60MB HDA)		
				Signal cable		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2309	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Read/Write/Read/Verify Write CE Cylinder failed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-DE	F-DE	10	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
230A	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Read/Write/Read/Verify Read CE Cylinder Data Int Buffer 2 Test failed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-DE	F-DE	10	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
230b	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Read/Write/Read/Verify Miscompare On Data From Previous Read And Write. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
				1616324	60MB Alg card	
	A-A1YJ	A-A1YJ	10	2453100	Signal cable	

D14

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
230F	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2 A-A1H2	40	2462209	DSA2 card	DLC1 parity check failure If two drive system - possible DSA2 not found. Run disk problem determination procedures before replacing FRUs. (MIM 105, 802)
			20	2462201	DSA1 card	
		2462265	DSC Ctlr cd			
		2462221	DSC f-t cd			
	A-A1B2	A-A1B2	20	2462200	Disk A adptr	
	A-A1D2	A-A1D2	5	2462201	DSA1 card	
	A-A1G2	A-A1K2	5	2462203	CSP card	
	A-A1Q2	A-A1R2	5	2462208	WS adptr cd	
			2462210	WS ctlr cd		
	A-A1T2	A-A1T2	5	2462210	ELCA ctlr cd	
				2462211	SLCA f-t cd	
2400	Program	Program				CDKTABLE not found.
2401	Program	Program				SYSTEM CONSOLE entry not in TEMP UDT.
2402	Program	Program				DISK entry not in TEMP UD
2403	Program	Program				MSP entry not in TEMP UDT
2404	Program	Program				SYSTEM entry not in TEMP UDT.
2405	Program	Program				WSC entry not in TEMP UDT
2409	Program	Program				System console entry not in SYSTEM UDT.
240A	Program	Program				MSP entry not in SYSTEM UDT.
240C	Program	Program				WSC entry not in SYSTEM UDT
240E	Program	Program				2K bad page entry.
240F	Program	Program				SYSTEM entry not in SYSTE UDT.
2410	Program	Program				WSC inbord/out not valid- board ID in UDT.
2411	Program	Program				Diskette read error.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2412	Program	Program				Disk Read error. Run Disk Problem Determination problem.
2414	Program	Program				1-1000 or 1-CECE IPL attempted on a release 3 system. Re-IPL with 3-100 or 3-CECE and a release 3 DSKT01.
2415	Program	Program				Hardware configuration change and a RELOAD of th SSP was attempted at the same time. Install SSP first, then the feature(s) and then attempt it again Verify that feature(s) is installed correctly.
2416	Program	Program				No bus coupler present (WSC feature not installed /removed correctly)
2417	Program	Program				Wrong bus coupler initial address loaded as the WSC bus coupler.
2418	Program	Program				Config change without diskette 1. Retry.
2450	Program	Program				Module not found on diskette.
2451	Program	Program				Module too large to load.
2452	Program	Program				Diskette I/O error or control block not valid.
2453	Program	Program				Load module not found on diskette.
2454	Program	Program				TU not found in Load Module.

D16

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2455	Program	Program				Diskette I/O error.
2456	Program	Program				Function not supported.
2457	Program	Program				Wrong diskette inserted.
2458	Program	Program				CSU verification supervisor not found. Ensure that @PCIOOSS is customized to disk.
2459	Program	Program				Disk I/O error. Control block not valid.
24A0	Custmiz Program	Custmiz Program				Unresolved external associated with RLD type
24A1	Custmiz Program	Custmiz Program				RLD type 7 external references an entry in a relocatable module.
24A2	Custmiz Program	Custmiz Program				Diskette has wrong P/N. Verify LEVEL table and diskette P/N.
24A3	Custmiz Program	Custmiz Program				Microcode level table doe not exist.
24A4	Custmiz Program	Custmiz Program				CSDIR table is full.
24A5	Custmiz Program	Custmiz Program				Entry table is full.
24A6	Custmiz Program	Custmiz Program				A module has an overlay module that is not in the CSDIR.
24A7	Custmiz Program	Custmiz Program				A module has an overlay module that is incorrectl defined.
24A8	Custmiz Program	Custmiz Program				All guaranteed good sectors are used.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
24A9	Custmiz Program	Custmiz Program				Microcode has exceeded disk space permitted. Increase size of CSLIB.
24AA	Custmiz Program	Custmiz Program				An external label could not be resolved.
24AC	Custmiz Program	Custmiz Program				External label type associated with RLD not valid.
24AE	Custmiz Program	Custmiz Program				XTRN2 type for RLD type not valid.
24AF	Custmiz Program	Custmiz Program				A required module could not be found in the CSDIR
24C0	Custmiz Program	Custmiz Program				Machine check log work area is not in the CSDIR.
24C1	Custmiz Program	Custmiz Program				An oxref module ID is not found in the CSDIR.
24C2	Custmiz Program	Custmiz Program				RLD type not valid.
24C3	Custmiz Program	Custmiz Program				Exceeded space permitted for RLD data.
24C4	Custmiz Program	Custmiz Program				External table is full.
24C5	Custmiz Program	Custmiz Program				Exceeded space permitted for RLD data.
24C6	Custmiz Program	Custmiz Program				Dependency table not found. Verify \$DEPEND on DSKT2.
24C7	Custmiz Program	Custmiz Program				Dependency table operation value not valid.
24C8	Custmiz Program	Custmiz Program				A dependency entry cannot be found.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
24C9	Custmiz Program	Custmiz Program				A base module referenced by the dependency table could not be found.
24CA	Custmiz Program	Custmiz Program				The relocatable RLD table is full.
24CC	Custmiz Program	Custmiz Program				Diskette I/O error.
24E1	Custmiz Program	Custmiz Program				The Personal Computer DSKT01 is not in the microcode level table.
24E2	Custmiz Program	Custmiz Program				The DSKT01 part number does not match the part number in the microcode level table.
24E3	Custmiz Program	Custmiz Program				The RPQ table in the microcode level table is full.
24E4	Custmiz Program	Custmiz Program				The first message library is not on the diskette.
24E5	Custmiz Program	Custmiz Program				The second message library is not on the diskette.
24E6	Custmiz Program	Custmiz Program				The third message library is not on the diskette.
24E7	Custmiz Program	Custmiz Program				The fourth message librar is not on the diskette.
24E8	Custmiz Program	Custmiz Program				The display code is not on the microcode diskette
24E9	Custmiz Program	Custmiz Program				The PARM table is not on the microcode diskette
24EA	Custmiz Program	Custmiz Program				An invalid screen number was specified or screen not found.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
24EE	Custmiz Program	Custmiz Program				An invalid message number was specified or message not found.
24EF	Custmiz Program	Custmiz Program				Diskette I/O error.
24FF	Custmiz Program	Custmiz Program				Program error.
3006	A-A1B2 A-A1C2/ A-A1D2	A-A1B2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk A adptr DSA2 card DSA1 card	Permanent disk error. Dump could not be taken. Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead (MIM 105, 802).
300b	A-A1B2 A-A1C2/ A-A1D2	A-A1B2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk A adptr DSA2 card DSA1 card	Permanent disk error. Dump could not be taken. Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead (MIM 105, 802).

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
301E	A-A1B2 A-A1C2/ A-A1D2	A-A1B2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk A adptr DSA2 card DSA1 card	Permanent disk error. Dump could not be taken. Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead (MIM 105, 802).
3032	A-A1B2 A-A1C2/ A-A1D2	A-A1B2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk A adptr DSA2 card DSA1 card	Permanent disk error. Dump could not be taken. Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead (MIM 105, 802).
3035	A-A1B2 A-A1C2/ A-A1D2	A-A1B2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk A adptr DSA2 card DSA1 card	Permanent disk error. Dump could not be taken. Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead (MIM 105, 802).

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
3039	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	75 25	2462208 2462210 2462208	WS adptr cd WS ctrl cd WS adptr cd	The work station controller proc checked and error status could not be logged. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by 3039 SRC.
3043	A-A1B2 A-A1C2/ A-A1D2	A-A1B2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk A adptr DSA2 card DSA1 card	Permanent disk error. Dump could not be taken. Run disk problem determination procedures before replacing any FRUs. Replace FRUs only if disk procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead (MIM 105, 802).
3049						Work station error. System dump could not be taken because of an error with work station controller.
304A						Diskette error during system dump.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
304C	A-A1B2 A-A1C2/ A-A1D2	A-A1B2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk A adptr DSA2 card DSA1 card	Permanent disk error or work station error. Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead (MIM 105, 802).
30CA	A-A1B2 A-A1C2/ A-A1D2	A-A1B2 A-A1C2/ A-A1D2	60 30	2462200 2462209 2462201	Disk A adptr DSA2 card DSA1 card	Permanent disk error. Dump could not be taken. Run disk problem determination procedures before replacing any FRUs Replace FRUs only if disk procedure does not isolate failure. If the A-A1C2 FRU is not installed, replace the A-A1D2 FRU instead (MIM 105, 802).
30F1						Permanent disk error during condense of system library.
4E00	PC PC PROGRAM	PC PC PROGRAM	60 39 01	PC P/N PC P/N -----	Tk Rg Adp Cd Tk Rg Ntwk hd LAN Program	TR ADAPTER CARD Cables or Access Unit Call for software service
4F10	PC A-A1S2 CABLE PROGRAM	PC A-A1S2 CABLE PROGRAM	50 40 08 01 01	PC P/N SEE CD SEE CBL ----- SEE CD	LN Atch AdpCd LAN Adptr cd Lan Adptr Cbl LAN Program LAN f-t cd	LAN Atch Adapter or PC LAN Adapter Card LAN Adapter Cable or LAN Interface Cable Call for software service

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
4F20	NONE	NONE				Cable parity error - Run OLPD
4F21	NONE	NONE				PC Hardware Interface Hun - Run OLPD
4F22	NONE	NONE				PC Has Reset - Run OLPD
4F23	NONE	NONE				PC Memory Error - Run OLPD
4F24	NONE	NONE				Default in error return - Run OLPD
4F25	NONE	NONE				Initial Wrap on interface failed - Run OLPD
4F26	NONE	NONE				PC Has Bats Failure - Run OLPD
4F27	NONE	NONE				PC Not responding - Run OLPD
4F28	NONE	NONE				PC Port Error - Run OLPD
4F29	NONE	NONE				PC Failed to Xmit - Run OLPD
4F2A	NONE	NONE				ECC Error - Run OLPD
4F2b	NONE	NONE				PC Port CLear Failed - Run OLPD
4F2C	NONE	NONE				PC Failed Enable interface - Run OLPD
4F2d	NONE	NONE				PC Failed Download - Run OLPD
4F2F	NONE	NONE				PC no longer executing valid code - Run OLPD

E6

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
4F30	PROGRAM	PROGRAM	99	-----	OLPD Prgm Cde	Invalid LLC Command from PC - Call for software service.
4F31	NONE	NONE				PC Timed out during DOWNLOAD - Run OLPD.
4F40	PROGRAM	PROGRAM	99	-----	OLPD Prgm Cde	Failure in OLPD Program - Call for software service.
4F41	A-A1S2	A-A1S2	99	SEE CD	LAN Adptr cd	LAN Adapter not configure present or failing.
4F42	A-A1S2 CABLE	A-A1S2 CABLE	98 01	SEE CD SEE CBL	LAN Adptr cd Lan Adptr Cbl	LAN Adapter Card Failure or Adapter Cable Failure
4F43	CABLE	CABLE	99	SEE CBL	Lan Intrf Cbl	Interface Cable Failure Cable between 5362 and PC
4F44	PC	PC	99	PC P/N	-----	PC Failure - OLPD cannot isolate the problem, Disconnect LAN cable from PC, Load and Run the following diagnostics fro your PC. -PC Diagnostics -LAN Attch Adapter Diagn -Token Ring Adapter Diagn
4F45	PROGRAM	PROGRAM	99	-----	OLPD Prgm Cde	#LANLIB not found or Diag not in #LANLIB - Reapply LAN communication Program Product.
4F48	PC PC	PC PC	98 1	PC P/N PC P/N	Tk Rg Adp cbl Tk Rg Adp Cd	Token Ring Adapter Cable Failure or Token Ring card failure.
4F49	PC	PC	99	PC P/N	Tk Rg Adp cbl	Token Ring Adapter Cable failure.
4F4A	PC	PC	99	PC P/N	Tk Rg Acc Unt	Access Unit Failure

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
4F4b	PC	PC	99	PC P/N	Tk Rg Pat Cbl	Token Ring Patch Cable Failure
4F61	NONE	NONE				LAN Attachment Adapter Failure - Run OLPD
4F62	NONE	NONE				Interface to expansion Failure - Run OLPD
4F63	PC	PC	99	PC P/N	Tk Rg Adp Cd	Adapter not present or configuration wrong or adapter failing on Line 9
4F64	PC	PC	99	PC P/N	Tk Rg Adp Cd	Adapter not present or configuration wrong or adapter failing on Line 1
4F66	NONE	NONE				Controller not IBM PC Product - OLPD may not ru correctly.
4F70	PC	PC	98	PC P/N	Tk Rg Adp Cd	Token Ring Adapter Failure on Line 9 or PC Planar Board Failure.
	PC	PC	01	PC P/N	PC Planar Bd	
4F71	NONE	NONE				Token Ring Adapter Failed on Line 9 - Run OLPD
4F72	NONE	NONE				Token Ring Beacon Signal present on Line 9 - Run OLPD
4F73	NONE	NONE				Token Ring Signal Loss on Line 9 - Run OLPD.
4F74	PC	PC	98	PC P/N	Tk Rg Adp Cd	Token Ring Adapter on Lin 10 or PC Planar Board failing.
	PC	PC	1	PC P/N	PC Planar Bd	
4F75	NONE	NONE				Token Ring Adapter Failed on Line 10 - Run OLPD.

E8

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
4F76	NONE	NONE				Token Ring Beacon Signal present on Line 10 - Run OLPD
4F77	NONE	NONE				Token Ring Signal loss on Line 10 - Run OLPD.
4F86	PC PC PROGRAM	PC PC PROGRAM	69 39 01	PC P/N PC P/N -----	Tk Rg Adp Cd Tk Rg Ntwk hd LAN Program	TR Adapter Card Cables or Access Unit Call for Software service
4FF0	A-A1S2 CABLE A-A1R2	A-A1S2 CABLE	97 01 01	SEE CD SEE CBL SEE CD	LAN Adptr cd Lan Adpтр Cbl LAN f-t cd	LAN Adapter Card, LAN Adapter Cable or LAN Feed-thru card failing.
4FF1	NONE	NONE				Systst Cable Wrap Failure - Run OLPD.
4FF2	A-A1S2 PC	A-A1S2 PC	98 01	SEE CD PC P/N	LAN Adptr cd PC Planar Bd	Failing Interface Card or PC Planar Board.
5010						An error occurred on the display station address X on port Y. Options are: 0 to bypass 1 to retry
5020						The work station printer address X on port Y is not ready. Options are: 0 to bypass 1 to retry
5021						The work station printer address X on port Y is out of forms. Options are: 0 to bypass 1 to retry

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
5022						The work station printer address X on port Y has a forms check. Options are: 0 to bypass 1 to retry
5023						The work station printer address X on port Y has a graphic check. Options are: 0 to bypass 1 to retry
5024						The work station printer address X on port Y has a print check. Options are: 0 to bypass 1 to retry
5025						The work station printer address X on port Y has a machine check. Options are: 0 to bypass 1 to retry
5026						The work station printer address X on port Y has a paper jam. Options are: 0 to bypass 1 to retry
5027						The work station printer address X on port Y has a ribbon jam. Options are: 0 to bypass 1 to retry
5028						The work station printer address X on port Y has an unrecoverable error. Options are: 0 to bypass

E10

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
5030						A communications error has occurred on line N. Options are: 0 to bypass 1 to retry
50CE						The UDT is bad.
5099						Module not found on diskette or diskette I/O error. CSU diskette is bad or not in the drive.
51CE						MSP error , bad diskette PMSDIF not found , bad diskette.
52CE						MSP error , bad diskette PMSDIF not found , bad diskette.
5362						CSU pass 1 completed correctly. The CPU mainframe functions correctly. The system console is either not installed or not working.
5b50	T Unit A-A1E2 A-A1YK	T Unit A-A1E2 A-A1YK	60 30 5	6299237 6298375 2462244 2438243	6157 100V 6157 200V Tape Adptr Cd Signal Cable	Reset command failed to reset interface (power/ cable) during CSU. Tape drive is not powered on or the drive is not responding. * Run tape OLPD. Reseat A-A1E2, top card conector and internal cable A-A1YK before replacing FRU'S.
5b81	T Unit Media	T Unit Media	90 5	6299237 6298375	6157 100V 6157 200V	No tape cartridge or cartridge not in place during CSU.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
5bA6	T Unit Media	T Unit Media	90 5	6299237 6298375	6157 100V 6157 200V	Tape file protected on write operation during CS
5bF4	T Unit A-A1E2 A-A1YK	T Unit A-A1E2 A-A1YK	80 10 5	6299237 6298375 2462244 2438243	6157 100V 6157 200V Tape Adptr Cd Signal Cable	6157 tape unit has an uncoverable error during CSU. * Run tape OLPD. Reseat A-A1E2, top card conector and internal cable A-A1YK before replacing FRU'S.
5bFd	T Unit Media	T Unit Media	90 5	6299237 6298375	6157 100V 6157 200V	Cartridge not write protected during CSU.
5bFe	A-A1YK A-A1E2 A-A1D2	A-A1YK A-A1E2 A-A1D2	60 25 10	2438243 2462244 2462201	Signal Cable Tape Adptr Cd DSA1 card	6157 tape subsystem internal to 5362 has a problem during CSU. Resea wrap connector and retry. * Run tape OLPD. Reseat A-A1E2, top card conector and internal cable A-A1YK before replacing FRU'S.
5CCE						The system console has an error.
6000						Failure was detected in a external disk drive. Run OLPD procedures to identify the failing FRU/FRUs.
6001						Failure was detected in a external disk drive. Run OLPD Procedures to identify the failing FRU/FRUs.

E12

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
6002						Failure was detected in a external disk drive. Run OLPD Procedures to identify the failing FRU/FRUs.
6005		A-A1G2 A-A1F2	98 1	2462259 2462222	DFCA Cntl cd DFCA Dr/Rc Cd	DFCA Parity Check. Check that all cable connection are seated properly.
600E						Uncorrectable data error Customer must run BUILD procedures.
6010		A-A1G2 A-A1F2 DFCICBL	90 5 4	2462259 2462222 -----	DFCA Cntl cd DFCA Dr/Rc Cd DFCA Cable	DFCA Hardware error. Chec that all cable connection are seated properly.
6011		A-A1F2 A-A1G2 DFCICBL TERM	90 5 2 2	2462222 2462259 ----- 6495246	DFCA Dr/Rc Cd DFCA Cntl cd DFCA Cable Terminator	DFCA Hardware error. Chec that all cable connection are seated properly.
6012		DFCICBL A-A1F2 TERM	90 7 2	----- 2462222 6495246	DFCA Cable DFCA Dr/Rc Cd Terminator	DFCI Interface error. Check that all cable connections are seated properly.
6014		TERM DFCICBL A-A1F2	90 5 4	6495246 ----- 2462222	Terminator DFCA Cable DFCA Dr/Rc Cd	DFCI Terminator error. Check that all cable connections are seated properly.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
6015						Run Systest on all of the external disk drives for 10 minutes. Then look at the error summary to determine which drive probably caused this program to terminate. ERAP should be run to to note which Device URCs are posted for the period of interest.
6100						Control Storage Module not found.
6101						External disk microcode too large.
6102						Disk read error when trying to read microcode.
6103						Write error when trying to write code to the external disk.
7151	Program	Program				Work station error code program problem. SNA function not supporte (work station display)
7154	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	Undefined remote error. (work station display) Run communications proble determination. Determine failing line from system message.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
7156	Program	Program				Work station error code program problem. SNA state error. (work station display)
7157	Program	Program				Work station error code program problem. SNA RH usage error. (work station display)
7158	Program	Program				Work station error code program problem. SNA path error. (work station display)
7163	Program	Program				Work station error code program problem. Undefined data link protocol (DLP) detected error. (work station display)
7164	Program	Program				Work station error code program problem. Request-on-line received. (work station display)
7165	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable/ Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable/ Icable	95 5	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	DLP time-out condition. (work station display) Run communications proble determination. Determine failing line from system message. Xcable = external cable Icable = internal cable (MIM 910)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
7166	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	Severe line degradation. (work station display) Run communications proble determination. Determine failing line from system message.
7167	Program	Program				Work station error code program problem. Protocol violation. (work station display)
7168	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable/ Icable	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2 Xcable/ Icable	95 5	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	Permanent DLP hardware error. (work station display) Run communications proble determination. Determine failing line from system message. Xcable = external cable Icable = internal cable (MIM 910)
7169	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	SNA request not valid. (work station display) Run communications proble determination. Determine failing line from system message.
716A	Program	Program				Work station error code program problem. DLP communication error. (work station display)

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
716b	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	DLP communication reset. (work station display) Run communications proble determination. Determine failing line from system message.
7251	Program	Program				Work station error code program problem. SNA function not supporte (work station printer)
7254	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	Undefined remote error. (work station printer) Run communications proble determination. Determine failing line from system message.
7255	Program	Program				Work station error code program problem. Change direction sent to printer (work station printer)
7256	Program	Program				Work station error code program problem. SNA state error. (work station printer)
7257	Program	Program				Work station error code program problem. SNA RH usage error. (work station printer)
7258	Program	Program				Work station error code program problem. SNA path error. (work station printer)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
7263	Program	Program				Work station error code program problem. Undefined data link protocol (DLP) detected error. (work station printer)
7264	Program	Program				Work station error code program problem. Request-on-line received. (work station printer)
7265	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	DLP time-out condition. (work station printer) Run communications problem determination. Determine failing line from system message.
7266	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	Severe line degradation. (work station printer) Run communications problem determination. Determine failing line from system message.
7267	Program	Program				Work station error code program problem. Protocol violation. (work station printer)
7268	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	Permanent DLP hardware error. (work station printer) Run communications problem determination. Determine failing line from system message.

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
7269	Program	Program				Work station error code program problem. SNA request not valid. (work station printer)
726A	Program	Program				Work station error code program problem. DLP communication error. (work station printer)
726b	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	A-A1U2/ A-A1V2/ A-A1W2/ A-A1X2	95	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	DLP communication reset. (work station printer) Run communications proble determination. Determine failing line from system message.
8101						Premature end of the data stream detected. (work station display)
8102	Program	Program				Work station error code program problem. Row/column address (work station display) not vali
8103	Program	Program				Work station error code program problem. Fields not defined in ascending address order. (work station display)
8104	Program	Program				Work station error code program problem. Either there is an escape character missing or there is a command code that is not valid after an escape character. (work station display)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8105	Program	Program				Work station error code program problem. Start field length (work station display) not vali
8106	Program	Program				Work station error code program problem. Start field address (work station display) no valid.
8107	Program	Program				Work station error code program problem. A restore command has been sent to the wrong display or data not completed has been sent with the restor command. (work station display)
8108	Program	Program				Work station error code program problem. An attempt has been made to define an input field that extends passed the end of the display screen (work station display)
8109	Program	Program				Work station error code program problem. Format table overflow. Too many input fields have been defined. (work station display)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8110	Program	Program				Work station error code program problem. An attempt has been made to write data past the end of the display screen (work station display)
8111	Program	Program				Work station error code program problem. Start of header length does not equal 3. (work station display)
8112	Program	Program				Work station error code program problem. Roll parameter error. Data following a roll command is not valid and has been detected (work station display)
8113	Program	Program				Work station error code program problem. Missing or start field is not valid attribute or field format word. (work station display)
8114	Program	Program				Work station error code program problem. Load display storage command not valid (work station display).
8115	Program	Program				Work station error code program problem. Clear unit alternate parameter not valid. (work station display)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8116	Program	Program				Work station error code program problem. Structured field length not valid. (work station display)
8117	Program	Program				Work station error code program problem. Structured field class or type value not valid. (work station display)
8118	Program	Program				Work station error code program problem. Structured field paramete value not valid. (work station display)
8127	Program	Program				Work station error code program problem. Invalid data stream command in WP mode. (work station display)
8128	Program	Program				Work station error code program problem. Invalid data stream command in DP mode.
8129	Program	Program				Work station error code program problem. Command not allowed to display with unlocked Keyboard.
8130	Program	Program				Work station error code program problem. Command not valid for specified display (IGC (EPOCH), or data entry or Katakana Keyboard)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8131	Program	Program				Work station error code program problem. Field length not valid/ An input field length that is not valid has been detected on the display screen (work station display).
8132	Program	Program				Work station error code program problem. Resequencing error. There is a resequencing field control word that is not valid in the format table (work station display).
8134	Program	Program				Work station error code program problem. Shift character omission or misplacement in an IGC open field. (work station display)
8142	Program	Program				Work station error code program problem. Data stream byte count of a request to configure a new work station (work station display)
8143	Program	Program				Work station error code program problem. Work station unit address not valid (work station display).

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8144	Program	Program				Work station error code program problem. Unit address already configured. (work station display)
8145	Program	Program				Work station error code program problem. Attempt to configure too many work stations. If Extended Input Fields are configured the maximum number of terminals that can be configured are 1/2 maximum. If normal is 28, with Ext Inpt Flds only 14 will be allowed. (work station display)
8160	Program	Program				Work station error code program problem. System detects a value greater than 4096 in the length field of a display station IOB. (work station display)
8161	Program	Program				Work station error code program problem. IOB command modifier is not valid. (work station display)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8162	Program	Program				Work station error code program problem. The work station controller has detected a value of zero (0) in the length field of a display station IOB. (work station display)
8163	Program	Program				Work station error code program problem. Unit address not valid (work station display)
8164	Program	Program				Work station error code program problem. Byte count for read field not equal to number of field positions. (work station display)
8166	Program	Program				Work station error code program problem. Display station in error mode. (work station display)
8167	Program	Program				Work station error code program problem. Display station not in session. (work station display)
8169	Program	Program				Work station error code program problem. Not ready caused by operator error mode or system request mode. (work station display)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8170	Program	Program				Work station error code program problem. Read issued to unlocked keyboard. (work station display)
8220	Program	Program				Work station error code program problem. Invalid byte count specified for Read Text Screen command.
8221	Program	Program				Work station error code program problem. Invalid WSCF Command in W/P mode.
8222	Program	Program				Work station error code program problem. Invalid WSCF Command in DP mode.
8260	Program	Program				Work station error code program problem. Value greater than 4096 in length field of print IOB. (work station printer)
8261	Program	Program				Work station error code program problem. IOB modifier is not valid (work station printer).
8262	Program	Program				Work station error code program problem. Byte count in printer IOB not valid (work station printer).

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8263	Program	Program				Work station error code program problem. Unit address in unit address field o printer IOB not valid (work station printer).
8265	Program	Program				Work station error code program problem. Print buffer not availabl (work station printer)
8266	Program	Program				Work station error code program problem. Printer in error mode. (work station printer)
8267	Program	Program				Work station error code program problem. Printer not in session. (work station printer)
8269	Program	Program				Work station error code program problem. Cancel request. (work station printer)
8305	Program	Program				Work station error code program problem. State error. Command not allowed in Operator Error mode or System Reset mode

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9901	LF/ACcb P Cord UE Sw	LF/ACcb P Cord UE Sw	66 17 17	2453068 2453069 2453010 2453011 1608874	AC Cbl (100V) AC Cbl (200V) US,Cn,JP,100V Chicago,100V Unit Emerg Sw	Dead Machine. The System caused the Customer Power Circuit Breaker to trip. (Unit emergency switch is in the Power Off position Disconnect the Line Cord and continuity check the AC circuits using MIM 430 There is a Ground/Short circuit on one of the AC lines in the machine.
9902	Pwr Sup LF/ACcb UE Sw	Pwr Sup LF/ACcb UE Sw	78 15 7	5561773 5561774 2453068 2453069 1608874	P S 100 Volt P S 200 Volt AC Cbl (100V) AC Cbl (200V) Unit Emerg Sw	Dead Machine. The System caused the Customer Power Circuit Breaker to trip with UE switch in the Power Enable position and not in the Power Off position. Disconnect JAC1 from the Power Supply. Continuity check pin 8 to frame using MIM 430 There is a Ground/Short circuit on one of the AC lines in the machine.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9903	Pwr Sup	Pwr Sup	50	5561773	P S 100 Volt	Dead Machine. The System (Unit Emergency ENABLE) caused the Customer Power Circuit Breaker to trip with UE switch ENABLE position and Power On selected. There is a Ground/Short circuit on one of the AC lines in the machine.
	LF/ACcb	LF/ACcb	30	5561774	P S 200 Volt	
				2453068	AC Cbl (100V)	
	Gt Fans	Gt Fans	10	2453069	AC Cbl (200V)	
				2453210	50HZ 100 Volt	
				2453211	50HZ 200 Volt	
			2453201	60HZ 100 Volt		
			2453202	60HZ 200 Volt		
Dskt Mo	Dskt Mo	5	4240677	51TD Mtr 120V		
			4240679	51TD Mtr 200V		
DskAfan	DskAfan	5	2453189	50HZ 200 Volt		
			2453199	60HZ 100 Volt		
			2453200	60HZ 200 Volt		
9904	Pwr Sup	Pwr Sup	56	5561773	P S 100 Volt	** SEE CUSTOMER PROBLEM DETERMINATION PROCEDUR in the MAP Start Condition. ** There is probably a open circuit in the AC input. The Control Panel or security lock could also cause this problem (See Panel Service procedure 505.).
	LF/ACcb	LF/ACcb	18	5561774	P S 200 Volt	
				2453068	AC Cbl (100V)	
	UE Sw Control Panel	UE Sw Control Panel	10	2453069	AC Cbl (200V)	
	DC Cbl	DC Cbl	5	1608874	Unit Emerg Sw	
	P Cord	P Cord	4	2453107	DC Distr cbl	
			2453010	US,Cn,Jp,100V		
			2453011	Chicago,100V		
9905	Pwr Sup	Pwr Sup	79	5561773	P S 100 Volt	Ensure the Keylock is in Normal or Service positio The POWER ON led is On when the POWER ON switch is pressed. However the System will not power-on. The Control Panel could also cause this problem. (See Panel service procedure 505).
	DC Cbl Control Panel	DC Cbl Control Panel	11	5561774	P S 200 Volt	
			5	2453107	DC Distr cbl	
	A-A1F2	A-A1J2	5	2462202	Cntl panel cd	
			2462219	Cntl panel cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9906	Gt Fan	Gt Fan	25	2453210	50HZ 100 Volt	There has been a TEMP Error condition or the sense lines are open. Note; if temp check does not reset in about 1 minute then the check is caused by a bad circuit.
				2453211	50HZ 200 Volt	
				2453201	60HZ 100 Volt	
				2453202	60HZ 200 Volt	
				2453189	50HZ 200 Volt	
	DskAfan	DskAfan	25	2453199	60HZ 100 Volt	
				2453200	60HZ 200 Volt	
	Pwr Sup	Pwr Sup	32	5561773	P S 100 Volt	
				5561774	P S 200 Volt	
	Thermo DC Cbl	Thermo DC Cbl	9			
			9	2453107	DC Distr cbl	
9907	Pwr Sup	Pwr Sup	80	5561773	P S 100 Volt	There has been either a Over or Under VOLTAGE Error condition. Loose DC cable can cause this problem.
				5561774	P S 200 Volt	
	DC Cbl Control Panel A-A1F2	DC Cbl Control Panel A-A1J2	10	2453107	DC Distr cbl	
			5			
			5	2462202	Cntl panel cd	
			5	2462219	Cntl panel cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9908	A-A1cds	A-A1cds	30	xxxxxxx	A-A1 Cds A-X	<p>There has been a over CURRENT Error condition. The problem is probably in the load.</p> <p>For Current isolation procedure see SRC 9908 in MIM Section 410.</p> <p>The Control Panel could also cause this problem. (See Panel service procedure 505).</p>
	Pwr Sup	Pwr Sup	22	5561773	P S 100 Volt	
				5561774	P S 200 Volt	
	DiskCds	DiskCds	13	4044270	21ED Alg card	
				5811694	21ED Dgl card	
				1616814	21ED Dk Dr cd	
	Control Panel	Control Panel	8			
	A-A1P2	A-A1Q2	7	2462208	WS adptr cd	
	Dskt Cd	Dskt Cd	7	4240728	51TD Dr ct cd	
	DC Cbl	DC Cbl	4	2453107	DC Distr cbl	
	A-A1 BD		3	2453968	A1 Board	
	A/B DCc	A/B DCc	1	2453101	21ED DskA cbl	
				2453101	21ED DskB cbl	
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl cd	
A-A1U2/	A-A1U2/	1	2462211	SLCA f-t cd		
			2462212	CSEIA card		
			2462214	CSDDA card		
			2462213	CSX21 card		
			2462215	CSV35 card		
9909	A-A1cds	A-A1cds	46	xxxxxxx	A-A1 Cds A-X	<p>There has been a over CURRENT Error condition. The problem is probably in the 1.7 volt load (A-A1). See 9909 in MIM Section 410.</p>
	Pwr Sup	Pwr Sup	38	5561773	P S 100 Volt	
				5561774	P S 200 Volt	
	DC Cbl	DC Cbl	12	2453107	DC Distr cbl	
A-A1 Bd	A-A1 Bd	4				

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
990A	Pwr Sup	Pwr Sup	78	5561773 5561774	P S 100 Volt P S 200 Volt	The Machine will not power-off. The Control Panel or A-A1F2 could also cause this problem (See Panel Service procedure 505.).
	Control Panel A-A1F2	Control Panel	6	2462202	Cntl panel cd	
		A-A1J2	6	2462219	Cntl panel cd	
	DC Cbl A-A1T2	DC Cbl	5	2453107	DC Distr cbl	
		A-A1T2	1	2462210	ELCA ctrlr cd	
	A-A1U2/ A-A1U2/	A-A1U2/ A-A1U2/	1	2462211	SLCA f-t cd	
				2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
	A-A1V2/ A-A1W2/ A-A1X2/	A-A1V2/ A-A1W2/ A-A1X2/		2462215	CSV35 card	
990b	Pwr Sup	Pwr Sup	53	5561773 5561774	P S 100 Volt P S 200 Volt	Obvious Power problems Fans or Motors not operating. Obvious mechanical failures. (Noisy or not turning).
	LF/ACcb	LF/ACcb	27	2453068	AC Cbl (100V)	
		2453069	AC Cbl (200V)			
	Gt Fan	Gt Fan	10	2453210	50HZ 100 Volt	
				2453211	50HZ 200 Volt	
				2453201	60HZ 100 Volt	
				2453202	60HZ 200 Volt	
	Dskt Mo	Dskt Mo	5	4240677	51TD Mtr 120V	
				4240679	51TD Mtr 200V	
	DskAfan	DskAfan	5	2453189	50HZ 200 Volt	
2453199				60HZ 100 Volt		
2453200	60HZ 200 Volt					
990C	Pwr Sup	Pwr Sup	60	5561773 5561774	P S 100 Volt P S 200 Volt	Power related problems but SRC 9901 - 990B do no describe the problem.
	Control Panel A-A1F2	Control Panel	15			
		A-A1J2	15	2462202	Cntl panel cd	
	DC Cbl	DC Cbl	10	2462219	Cntl panel cd	
				2453107	DC Distr cbl	

A14

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
A000						Unexpected error; Re-customize and/or use a new set of diskettes. If problem persists, initialize Disk A and re-customize.
A001						Unexpected error; Re-customize and/or use a new set of diskettes. If problem persists, initialize Disk A and re-customize.
A1A0	Drive A A-A1B2 A-A1C2 Drive B A-A1A2 A-A1C2	Drive A A-A1B2 A-A1C2 Drive B A-A1A2 A-A1C2	40 30 40 30	2462200 2462209 2462200 2462209	Disk A adptr DSA2 card Disk B adptr DSA2 card	Undetermined error. Run disk problem determination procedure. Replace FRUs only if disk problem determination procedure does not isolate failure. (MIM 802)
A1A1	A-A1B2 A-A1D2	A-A1B2 A-A1D2	40 30	2462200 2462201	Disk A adptr DSA1 card	Run disk problem determination procedure. Replace FRUs only if disk problem determination procedure does not isolate failure. (MIM 802)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
A1A2	Drive A F-A1A2	Drive A F-A1A2	40	1616312	30MB Dgl card	Disk Unsafe error. Run disk problem determination procedure. Replace FRUs only if disk problem determination procedure does not isolate failure. (MIM 802, 105)
	F-B1A3	F-B1A3	30	4044272	60MB Dgl card	
	A-A1A2	A-A1A2	20	1616324	30MB Alg card	
	F-DE	F-DE	8	2462200	60MB Alg card	
	Drive B G-A1A2	Drive B G-A1A2	40	1616699	Disk B adptr	
	G-B1A3	G-B1A3	30	1616119	A2 (30MB HDA)	
	A-A1A2	A-A1A2	20	2462200	A3 (60MB HDA)	
	G-DE	G-DE	8	1616119	A3(60MB HDA)	
	Drive A F-A1A2	Drive A F-A1A2	40	1616312	30MB Dgl card	
	F-B1A3	F-B1A3	30	4044272	60MB Dgl card	
A-A1A2	A-A1A2	20	1616324	30MB Alg card		
F-DE	F-DE	8	2462200	60MB Alg card		
A1A4	Drive A A-A1B2	Drive A A-A1B2	40	2462200	Disk A adptr	Cable interlock error. Ensure that cable F-B1A2 or G-B1A2 is plugged in properly. Also check that A-A1B2 and A-A1A2 cards are plugged in properly. (MIM 802, 105)
	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	
	F-B1A2	F-B1A2	20	1616312	60MB Dgl card	
	Drive B A-A1B2	Drive B A-A1B2	40	2453100	Signal cable	
	G-A1A2	G-A1A2	30	2462200	Disk A adptr	
	G-B1A2	G-B1A2	20	1616312	60MB Dgl card	
	F-A1A2	F-A1A2	30	2453100	Signal cable	
	F-B1A2	F-B1A2	20	2462200	Disk A adptr	
	Drive B A-A1B2	Drive B A-A1B2	40	1616312	60MB Dgl card	
	G-A1A2	G-A1A2	30	2453100	Signal cable	

A16

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
A1A5	A-A1B2	A-A1B2	40	2462200	Disk A adptr 30MB Dgl card 60MB Dgl card Signal cable	Cable interlock error. Ensure that cable F-B1A2 or G-B1A2 is plugged in properly. Also check that A-A1B2 and A-A1A2 cards are plugged in properly. (MIM 802, 105)
	F-A1A2	F-A1A2	30	1616312		
	F-B1A2	F-B1A2	20	2453100		
A1A6						Permanent media error. Run pack analysis on Drive A and Drive B. (MIM 338)
A1A7						Permanent media error. Run pack analysis on Drive A. (MIM 338)
A1A8	Drive A	Drive A				DSA/EXPERT interface error. Run disk problem determination procedure. (MIM 802, 105)
	A-A1C2	A-A1C2	40	2462209	DSA2 card	
	A-A1B2	A-A1B2	40	2462200	Disk A adptr	
	F-DE	F-DE	10	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	Drive B	Drive B				
A-A1C2	A-A1C2	40	2462209	DSA2 card		
A-A1A2	A-A1A2	40	2462200	Disk B adptr		
G-DE	G-DE	10	1616119	A3(60MB HDA)		
A1A9	Drive A	Drive A			DSA1 card Disk A adptr	DSA/EXPERT interface error. Run disk problem determination procedure. (MIM 802, 105)
	A-A1D2	A-A1D2	40	2462201		
	A-A1B2	A-A1B2	40	2462200		
F-XXXX	F-XXXX	10				
A1b0						DCP IOB error.
A1C1						Work station I/O data stream error. Ensure the console is powered on. RE-IPL with a different diskette.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
A1C2	A-A1P2 A-A1Q2 WS cbl	A-A1Q2 A-A1R2 WS cbl	50 40 3	2462208 2462208 2462210 -----	WS adptr cd WS adptr cd WS ctrl cd Twnax/IBM cbl	Work station hardware error. First, Check for system console power on; Address 0, PORT 0, the problem could also be a bad cable on PORT 0. See cable checkout procedure MIM 710. SECOND, Go to MIM 155 if the FRU's do not fix the problem. Twinax/IBM cable system.
A1C3						Work station functional microcode not found. Could be a failing diskette or misconfigured disk or diskette. If there have not been an changes made to your disk or diskette, you may have a hardware error. Go to MIM 155.
A1E0						DCP Printer I/O error.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AF54	A-A1G2	A-A1K2	60	2462203	CSP card	CBO Bit 0 Grounded on SLCA / TACLA Machine. Go to MIM 155.
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	5	2462209	DSA2 card	
		A-A1H2	5	2462201	DSA1 card	
			5	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1S2	A-A1S2	5	2462289	LAN Adptr cd	
	A-A1Q2	A-A1R2	5	2462208	WS adptr cd	
				2462210	WS cctlr cd	
				2462208	WS adptr cd	
	A-A1U2	A-A1U2	5	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1V2	A-A1V2	5	2462212	CSEIA card	
			2462214	CSDDA card		
			2462213	CSX21 card		
			2462215	CSV35 card		
A-A1T2	A-A1T2	1	2462210	ELCA cctlr cd		
			2462211	SLCA f-t cd		
AF90					An unexpected error befor or during disk load of control store nucleus. Customization may be wrong. Reload microcode. If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 324, 105)	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AF91	A-A1B2	A-A1B2	40	2462200	Disk A adptr	-- Disk Loader -- Severe hardware error. (control store nucleus load) Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)
	A-A1C2/	A-A1C2/	30	2462209	DSA2 card	
	A-A1D2	A-A1D2		2462201	DSA1 card	
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	5	4044272	30MB Alg card	
				1616324	60MB Alg card	
A-A1YJ	A-A1YJ	5	2453100	Signal cable		
F-DE	F-DE	2	1616699	A2 (30MB HDA)		
			1616119	A3 (60MB HDA)		
AF92	A-A1C2/	A-A1C2/	70	2462209	DSA2 card	-- Disk Loader -- DSA error. (control store nucleus load) Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)
	A-A1D2	A-A1D2		2462201	DSA1 card	
	A-A1B2	A-A1B2	25	2462200	Disk A adptr	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AF93	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ F-A1A2	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ F-A1A2	45 35 5 5	2462209 2462201 2462200 2453100 1616312 1616312	DSA2 card DSA1 card Disk A adptr Signal cable 30MB Dgl card 60MB Dgl card	-- Disk Loader -- Interrupt timeout Check. (control store nucleus load) Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)
AF94	A-A1B2 A-A1YJ	A-A1B2 A-A1YJ	75 15	2462200 2453100	Disk A adptr Signal cable	-- Disk Loader -- ECC error. Ensure cable A-A1YJ is properly seated. (control store nucleus load) Media or Data problem. Run pack analysis - follo recommended actions (MIM 338). If that doesn't fix - reload microcode. If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AF95	A-A1B2 A-A1YJ	A-A1B2 A-A1YJ	75 15	2462200 2453100	Disk A adptr Signal cable	-- Disk Loader -- Ensure cable A-A1YJ is properly seated. Run pack analysis - follo recommended actions (MIM 338). If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
AF96						Completed control store nucleus load w/o detected errors. Indicate failure of code from load. Customization may be wrong. Reload microcode (MIM 324). If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
AFF2						Unexpected interrupt on Interrupt Level 2. Devices on this interrupt Data Communication Adapt (MIM 910) CSP (Interval Timer)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AFF4						Unexpected interrupt on Interrupt Level 4 Attempt to restart the current operation. Devices on this interrupt Work Station Controller Data Storage Attachment - 1 Data Storage Attachment - 2 Data Storage Controller
b500						MDI MAP not found. Check for correct diskette or damaged diskette.
b501						Load module not found. Check for correct diskett or damaged diskette.
b503						Configure error.
C000						Default wrap supervisor halt code; Re-IPL.
C001						Wrap module not found. Misconfigured or bad disk or diskette. Check UDT for correct configuration.
C002						System reference code module ID (WFE00) not found in wrap address table. Misconfigured or bad disk or diskette.
C003						Primary system reference code table entry missing. Misconfigured or bad disk or diskette.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C004						Secondary system referenc code table entry missing. Misconfigured or bad disk or diskette.
C1F0	A-A1E2 A-A1D2	A-A1E2 A-A1D2	85 10	2462244 2462201	Tape Adptr Cd DSA1 card	Adapter error * Reseat A-A1E2 and top card connector. Run OLPD
C1F1	A-A1YK	A-A1YK	95	2438243	Signal Cable	Cable error * Reseat wrap connector and internal cable A-A1YK before replacing FRU's.
C1F5	A-A1E2 A-A1D2	A-A1E2 A-A1D2	50 45	2462244 2462201	Tape Adptr Cd DSA1 card	Tactical bus * Reseat A-A1E2 and top card connector before replacing FRUs.
C1F6	A-A1E2 A-A1YK	A-A1E2 A-A1YK	60 35	2462244 2438243	Tape Adptr Cd Signal Cable	Tape Interface * Reseat wrap connector and internal cable A-A1YK before replacing FRU's.
C1F7	Program	Program				Undetermined return code from tape adapter during IPL wraps.
C201	MS A-A1J2	MS A-A1M2	45 9 45	2462220 2462206 2462261 2462263	MS cd 1024k MS card 128k MS card 256k MSP D Flow cd	Bad 2 KB main storage page. Use MIM 123 to find bad card.
C301		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.

B6

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C302		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C303		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C304		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C306		A-A1H2 A-A1C2	80 20	2462265 2462228	DSC Ctlr Cd Data Stor Adp	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C308		A-A1H2 A-A1E2	94 5	2462265 4178470	DSC Ctlr Cd Tape Adptr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C309		A-A1H2	99	2462265	DSC Ctrl Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C310	A-A1C2	A-A1H2 A-A1C2	80 20	2462265 2462209	DSC Ctrl Cd DSA2 card	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C311		A-A1H2	99	2462265	DSC Ctrl Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C312		A-A1H2	99	2462265	DSC Ctrl Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C313		A-A1H2	99	2462265	DSC Ctrl Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C314		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C315		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C316		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C317		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.
C318		A-A1H2	99	2462265	DSC Ctlr Cd	If you have wrap error SRCs for disk (C9xx or CAxx) or diskette (Cdxx) along with the tape SRC (Cbxx), perform the activity defined for the disk/diskette SRCs first.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C401	A-A1S2 CABLE A-A1R2	A-A1S2 CABLE	97 01 01	SEE CD SEE CBL SEE CD	LAN Adptr cd Lan Adptr Cbl LAN f-t cd	LAN Adapter card, LAN Adapter Cable or LAN feed-thru card failed during IPL.
C500	A-A1Q2 Wrkstn WS cbl	A-A1R2 Wrkstn WS cbl	80 15 5	2462208 -----	WS adptr cd Twnax/IBM cbl	The work station adapter card failed to poll the system console. Verify that another work station on port 0 is not at same address as console. Replace the card first. If this fails to fix the problem, go to the work station device maintenanc manual and MIM 710 (Cable Check Procedure) to check the remaining port 0 FRUs
C601	A-A1Q2 A-A1P2 A-A1F2	A-A1R2 A-A1Q2 A-A1J2	95 4 1	2462210 2462208 2462202 2462219	WS ctrl cd WS adptr cd Cntl panel cd Cntl panel cd	The work station controller was unable to perform an initial address load operation. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C602	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller was unable to perform a sense data buffer operation. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C603	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller was unable to perform a load cycle steal counter operation. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C604	A-A1Q2 A-A1G2 A-A1P2 A-A1S2 A-A1R2	A-A1R2 A-A1K2 A-A1Q2 A-A1S2	90 6 4 1 1	2462210 2462203 2462208 2462289 SEE CD	WS ctrl cd CSP card WS adptr cd LAN Adptr cd LAN f-t cd	The work station controller failed the processor interrupt test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C606	A-A1Q2 A-A1P2 A-A1G2	A-A1R2 A-A1Q2 A-A1K2	90 9 1	2462210 2462208 2462203	WS ctrl cd WS adptr cd CSP card	The work station controller failed the program load test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C608	A-A1Q2 A-A1P2 A-A1G2	A-A1R2 A-A1Q2 A-A1K2	90 9 1	2462210 2462208 2462203	WS ctrl cd WS adptr cd CSP card	The work station controller failed the interrupt structure test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C609	A-A1Q2 A-A1P2 A-A1G2	A-A1R2 A-A1Q2 A-A1K2	90 9 1	2462210 2462208 2462203	WS ctrl cd WS adptr cd CSP card	The work station controller failed the pacer/block length test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C610	A-A1Q2 A-A1P2 A-A1G2	A-A1R2 A-A1Q2 A-A1K2	65 34 1	2462210 2462208 2462203	WS ctrl cd WS adptr cd CSP card	The work station controller failed the branch instruction test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C611	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller failed the register instruction test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C612	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller failed the arithmetic instruction test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C613	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller failed the register to storage instruction test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.

B12

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C614	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller failed the channel processor check test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C615	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller failed the new attachment controller micro instruction test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C616	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller failed the base displacement instruction test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C617	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller failed its storage test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C618	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	95 5	2462210 2462208	WS ctrl cd WS adptr cd	The work station controller failed its storage test. Replace the FRUs first. If FRUs fail to fix the problem, go to MIM 155 Channel Strip.
C701		A-A1G2 A-A1F2 DFCICBL A-A1H2	90 5 3 1	2462259 2462222 ----- 2462265 2462221	DFCA Cntl cd DFCA Dr/Rc Cd DFCA Cable DSC Ctlr cd DSC f-t cd	DFCA Hardware Error. Chec that all cable connection are seated properly.
C702		A-A1F2 A-A1G2 DFCICBL TERM A-A1H2	90 5 2 1 1	2462222 2462259 ----- 6495246 2462265 2462221	DFCA Dr/Rc Cd DFCA Cntl cd DFCA Cable Terminator DSC Ctlr cd DSC f-t cd	DFCA Hardware Error. Chec that all cable connection are seated properly.
C703	WRAP	DFCICBL A-A1F2 WRAP	90 7 1	----- 2462222 2452885	DFCA Cable DFCA Dr/Rc Cd Wrap Connectr	DFCA Interface Error.Chec that all cable connection are seated properly.
C850	A-A1U2 A-A1T2 A-A1G2	A-A1U2 A-A1T2 A-A1K2	96 1 1	2462212 2462211 2462203	CSEIA card SLCA p-t cd CSP card	EIA/CCITT communications adapter failure SLCA. CSIPL failure. EIA cable p/n 2453139.
C851	A-A1U2 A-A1T2	A-A1U2 A-A1T2	96 1	2462212 2462210	CSEIA card ELCA ctrl	EIA/CCITT communications adapter failure line 1. Note: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. EIA cable p/n 2453139.

B14

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C852	A-A1V2 A-A1T2	A-A1V2 A-A1T2	96 1	2462212 2462210	CSEIA card ELCA ctr	EIA/CCITT communications adapter failure line 2. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. EIA cable p/n 2453139.
C853	A-A1W2 A-A1T2	A-A1W2 A-A1T2	96 1	2462212 2462210	CSEIA card ELCA ctr	EIA/CCITT communications adapter failure line 3. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. EIA cable p/n 2453139.
C854	A-A1X2 A-A1T2	A-A1X2 A-A1T2	96 1	2462212 2462210	CSEIA card ELCA ctr	EIA/CCITT communications adapter failure line 4. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. EIA cable p/n 2453139.
C860	A-A1U2 A-A1T2 A-A1G2	A-A1U2 A-A1T2 A-A1K2	96 1 1	2462214 2462211 2462203	CSDDA card SLCA p-t cd CSP card	DDSA communications adapter failure SLCA. CSIPL failure. DDSA cable p/n 2453145.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C861	A-A1U2 A-A1T2	A-A1U2 A-A1T2	96 1	2462214 2462210	CSDDA card ELCA ctr	DDSA communications adapter failure line 1. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. DDSA cable p/n 2453145.
C862	A-A1V2 A-A1T2	A-A1V2 A-A1T2	96 1	2462214 2462210	CSDDA card ELCA ctr	DDSA communications adapter failure line 2. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. DDSA cable p/n 2453145.
C863	A-A1W2 A-A1T2	A-A1W2 A-A1T2	96 1	2462214 2462210	CSDDA card ELCA ctr	DDSA communications adapter failure line 3. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. DDSA cable p/n 2453145.
C864	A-A1X2 A-A1T2	A-A1X2 A-A1T2	96 1	2462214 2462210	CSDDA card ELCA ctr	DDSA communications adapter failure line 4. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. DDSA cable p/n 2453145.

B16

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C870	A-A1U2 A-A1T2 A-A1G2	A-A1U2 A-A1T2 A-A1K2	96 1 1	2462213 2462211 2462203	CSX21 card SLCA p-t cd CSP card	X.21 communications adapter failure SLCA. CSIPL failure. X.21 cable p/n 2453143.
C871	A-A1U2 A-A1T2	A-A1U2 A-A1T2	96 1	2462213 2462210	CSX21 card ELCA ctrl	X.21 communications adapter failure line 1. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. X.21 cable p/n 2453143.
C872	A-A1V2 A-A1T2	A-A1V2 A-A1T2	96 1	2462213 2462210	CSX21 card ELCA ctrl	X.21 communications adapter failure line 2. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. X.21 cable p/n 2453143.
C873	A-A1W2 A-A1T2	A-A1W2 A-A1T2	96 1	2462213 2462210	CSX21 card ELCA ctrl	X.21 communications adapter failure line 3. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C874	A-A1X2 A-A1T2	A-A1X2 A-A1T2	96 1	2462213 2462210	CSX21 card ELCA ctrl	X.21 communications adapter failure line 4. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. X.21 cable p/n 2453143.
C881	A-A1U2 A-A1T2	A-A1U2 A-A1T2	96 1	2462215 2462210	CSV35 card ELCA ctrl	V.35 communications adapter failure line 1. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. V.35 cable p/n 2462238.
C882	A-A1V2 A-A1T2	A-A1V2 A-A1T2	96 1	2462215 2462210	CSV35 card ELCA ctrl	V.35 communications adapter failure line 2. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. V.35 cable p/n 2462238.
C883	A-A1W2 A-A1T2	A-A1W2 A-A1T2	96 1	2462215 2462210	CSV35 card ELCA ctrl	V.35 communications adapter failure line 3. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. V.35 cable p/n 2462238.

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C884	A-A1X2	A-A1X2	96	2462215	CSV35 card	V.35 communications adapter failure line 4. NOTE: If all comm lines fail with C8x1 (line 1), C8x2 (line 2), C8x3 (line 3), C8x4 (line 4) suspect A-A1T2 (55%). CSIPL failure. V.35 cable p/n 2462238.
	A-A1T2	A-A1T2	1	2462210	ELCA ctrl	
C8A0	A-A1V2	A-A1V2	96	2462212	CSEIA card	EIA/CCITT communications adapter failure SLCA. CSIPL failure. EIA cable p/n 2453139.
	A-A1T2	A-A1T2	1	2462211	SLCA p-t cd	
	A-A1G2	A-A1K2	1	2462203	CSP card	
C8AA	A-A1T2	A-A1T2	95	2462210	ELCA ctrl	Bus coupler TUs to Comm controller failed. Note: CSIPL failure.
	A-A1G2	A-A1K2	2	2462203	CSP card	
C8Ab	A-A1T2	A-A1T2	90	2462210	ELCA ctrl	Controller TUs to comm controller failed. Note: CSIPL failure. If SRC C8x1, C8x2, C8x3, or C8x4 is displayed, remove cards A-A1U2, A-A1V2, A-A1W2 and A-A1X RE-IPL, and if SRC C8Ab is displayed, replace A-A1T2, otherwise reinstall one card at a time until SRC C8Ab is displayed which means the last card installed is bad.
				2462212	CSEIA card	
	2462214	CSDDA card				
	2462213	CSX21 card				
	2462215	CSV35 card				
	A-A1V2	A-A1V2	2	2462212	CSEIA card	
				2462214	CSDDA card	
	A-A1W2	A-A1W2	2	2462213	CSX21 card	
				2462215	CSV35 card	
	A-A1X2	A-A1X2	2	2462212	CSEIA card	
				2462214	CSDDA card	
				2462213	CSX21 card	
				2462215	CSV35 card	
				2462212	CSEIA card	
			2462214	CSDDA card		
			2462213	CSX21 card		
			2462215	CSV35 card		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C910	A-A1B2	A-A1B2	70	2462200	Disk A adptr	Adapter reg wrap failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	20	2462209 2462201	DSA2 card DSA1 card	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
	A-A1A2	A-A1A2	5	2462200	Disk B adptr	
C911	A-A1B2	A-A1B2	70	2462200	Disk A adptr	Set interrupt req failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	20	2462209 2462201	DSA2 card DSA1 card	
C912	A-A1B2	A-A1B2	45	2462200	Disk A adptr	Adapter/Disk interface wrap failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	45	1616312 1616312	30MB Dgl card 60MB Dgl card	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
C913	F-A1A2	F-A1A2	50	1616312 1616312	30MB Dgl card 60MB Dgl card	Motor Stop/POR test faile Ensure customer PD has been completed. Ensure cables A-A1YJ and F-B1A5 are properly seate Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-C1A1	F-C1A1	20	1616814	Drive card	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
	F-B1A5	F-B1A5	5	2453101	21ED Pwr Cbl	
	A-A1B2	A-A1B2	5	2462200	Disk A adptr	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C914	F-A1A2	F-A1A2	75	1616312	30MB Dgl card	Disk interface register wrap failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	A-A1B2	A-A1B2	20	1616312	60MB Dgl card	
	A-A1YJ	A-A1YJ	5	2462200 2453100	Disk A adptr Signal cable	
C915	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Motor Start test failed. Ensure customer PD has been completed. Ensure cable F-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-B1A3	F-B1A3	20	1616312	60MB Dgl card	
	F-C1A1	F-C1A1	20	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
	F-B1A5	F-B1A5	5	1616814	Drive card	
	A-A1B2	A-A1B2	5	1616699	A2 (30MB HDA)	
	A-A1C2/ A-A1D2	A-A1C2/ A-A1D2	5	1616119	A3 (60MB HDA)	
			2453101	21ED Pwr Cbl		
			2462200	Disk A adptr		
			2462209	DSA2 card		
			2462201	DSA1 card		
C916	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Recalibrate Head 0 failed. Ensure customer PD has been completed. Ensure cable F-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-B1A3	F-B1A3	20	1616312	60MB Dgl card	
	F-C1A1	F-C1A1	20	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
	F-B1A5	F-B1A5	5	1616814	Drive card	
			1616699	A2 (30MB HDA)		
			1616119	A3 (60MB HDA)		
			2453101	21ED Pwr Cbl		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C917	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Recalibrate Head 1 failed Ensure customer PD has been completed. Ensure cable F-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-B1A3	F-B1A3	20	1616312	60MB Dgl card	
	F-C1A1	F-C1A1	20	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
	F-B1A5	F-B1A5	5	1616814	Drive card	
				1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
				2453101	21ED Pwr Cbl	
C918	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Multi-cylinder Seek faile Ensure customer PD has been completed. Ensure cable F-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-B1A3	F-B1A3	20	1616312	60MB Dgl card	
	F-C1A1	F-C1A1	20	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
	F-B1A5	F-B1A5	5	1616814	Drive card	
				1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
				2453101	21ED Pwr Cbl	
C919	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Multi-cylinder seek faile Ensure customer PD has been completed. Ensure cable F-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-B1A3	F-B1A3	30	1616312	60MB Dgl card	
	F-C1A1	F-C1A1	20	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
	F-B1A5	F-B1A5	5	1616814	Drive card	
				1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
				2453101	21ED Pwr Cbl	

C4

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C91A	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Diagnostic Settle failed. Ensure customer PD has been completed. Ensure cable F-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-B1A3	F-B1A3	20	1616312	60MB Dgl card	
	F-C1A1	F-C1A1	20	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
	F-B1A5	F-B1A5	5	1616814	Drive card	
	A-A1S2	A-A1S2	1	1616699	A2 (30MB HDA)	
A-A1R2	A-A1R2	1	1616119	A3 (60MB HDA)		
				2453101	21ED Pwr Cbl	
				2462289	LAN Adptr cd	
				SEE CD	LAN f-t cd	
C91C	F-A1A2	F-A1A2	40	1616312	30MB Dgl card	Data time interval timing test failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-B1A3	F-B1A3	25	1616312	60MB Dgl card	
	F-DE	F-DE	25	4044272	30MB Alg card	
				1616324	60MB Alg card	
				1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
C91E	F-A1A2	F-A1A2	40	1616312	30MB Dgl card	Sector/Index timing test failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-B1A3	F-B1A3	25	1616312	60MB Dgl card	
	F-DE	F-DE	25	4044272	30MB Alg card	
				1616324	60MB Alg card	
				1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
C920	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Adapter access test fail. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	20	1616312	30MB Dgl card	
	F-B1A3	F-B1A3	5	1616312	60MB Dgl card	
	A-A1YJ	A-A1YJ	5	4044272	30MB Alg card	
	F-DE	F-DE	5	1616324	60MB Alg card	
				2453100	Signal cable	
				1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C921	A-A1B2	A-A1B2	70	2462200	Disk A adptr	Loop VFO test failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	5	4044272	30MB Alg card	
				1616324	60MB Alg card	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
	F-DE	F-DE	5	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
C922	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Read ID all heads failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	20	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-DE	F-DE	20	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
C923	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Adapter read ID failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-DE	F-DE	10	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
C924	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Adapter read Data failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
				1616324	60MB Alg card	
	F-DE	F-DE	10	1616699	A2 (30MB HDA)	
				1616119	A3 (60MB HDA)	
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C925	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Read Verify failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
			1616699	A2 (30MB HDA)		
			1616119	A3 (60MB HDA)		
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
C926	F-A1A2	F-A1A2	30	1616312	30MB Dgl card	Write Data all heads failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	20	4044272	30MB Alg card	
				1616324	60MB Alg card	
			1616699	A2 (30MB HDA)		
			1616119	A3 (60MB HDA)		
C927	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Adapter write Data failed Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
			1616699	A2 (30MB HDA)		
			1616119	A3 (60MB HDA)		
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
C928	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Read Diagnostic failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
			1616699	A2 (30MB HDA)		
			1616119	A3 (60MB HDA)		
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C929	A-A1B2	A-A1B2	60	2462200	Disk A adptr	Correct ECC failed. Ensure customer PD has been completed. Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	F-A1A2	F-A1A2	10	1616312	30MB Dgl card	
				1616312	60MB Dgl card	
	F-B1A3	F-B1A3	10	4044272	30MB Alg card	
	F-DE	F-DE	10	1616324	60MB Alg card	
			1616699	A2 (30MB HDA)		
			1616119	A3 (60MB HDA)		
	A-A1YJ	A-A1YJ	5	2453100	Signal cable	
C930	A-A1A2	A-A1A2	70	2462200	Disk B adptr	Adapter reg wrap failed. Ensure customer PD has been completed. Ensure cable A-A1Za is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	A-A1C2	A-A1C2	20	2462209	DSA2 card	
	A-A1ZA	A-A1ZA	5	2453100	Signal cable	
	A-A1A2	A-A1A2	5	2462200	Disk B adptr	
C931	A-A1A2	A-A1A2	70	2462200	Disk B adptr	Set interrupt req failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	A-A1C2	A-A1C2	20	2462209	DSA2 card	
C932	A-A1A2	A-A1A2	45	2462200	Disk B adptr	Adapter/Disk interface wrap failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-A1A2	G-A1A2	45	1616312	60MB Dgl card	
	A-A1ZA	A-A1ZA	5	2453100	Signal cable	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C933	G-A1A2 G-C1A1 A-A1ZA G-B1A5 A-A1A2	G-A1A2 G-C1A1 A-A1ZA G-B1A5 A-A1A2	50 20 5 5 5	1616312 1616814 2453100 2453101 2462200	60MB Dgl card Drive card Signal cable 21ED Pwr Cbl Disk B adptr	Motor Stop/POR test faile Ensure customer PD has been completed. Ensure cables A-A1ZA and G-B1A5 are properly seate Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C934	G-A1A2 A-A1A2 A-A1ZA A-A1A2 A-A1C2	G-A1A2 A-A1A2 A-A1ZA A-A1A2 A-A1C2	75 20 5 5 5	1616312 2462200 2453100 2462200 2462209	60MB Dgl card Disk B adptr Signal cable Disk B adptr DSA2 card	Disk interface register wrap failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C935	G-A1A2 G-B1A3 G-C1A1 G-DE G-B1A5 A-A1A2 A-A1C2	G-A1A2 G-B1A3 G-C1A1 G-DE G-B1A5 A-A1A2 A-A1C2	30 20 20 10 5 5 5	1616312 1616324 1616814 1616119 2453101 2462200 2462209	60MB Dgl card 60MB Alg card Drive card A3(60MB HDA) 21ED Pwr Cbl Disk B adptr DSA2 card	Motor Start test failed. Ensure customer PD has been completed. Ensure cable G-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C936	G-A1A2 G-B1A3 G-C1A1 G-DE G-B1A5	G-A1A2 G-B1A3 G-C1A1 G-DE G-B1A5	30 20 20 10 5	1616312 1616324 1616814 1616119 2453101	60MB Dgl card 60MB Alg card Drive card A3(60MB HDA) 21ED Pwr Cbl	Recalibrate Head 0 failed Ensure customer PD has been completed. Ensure cable G-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C937	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	Recalibrate Head 1 failed Ensure customer PD has been completed. Ensure cable G-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-B1A3	G-B1A3	20	1616324	60MB Alg card	
	G-C1A1	G-C1A1	20	1616814	Drive card	
	G-DE	G-DE	10	1616119	A3(60MB HDA)	
	G-B1A5	G-B1A5	5	2453101	21ED Pwr Cbl	
C938	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	Multi-cylinder Seek faile Ensure customer PD has been completed. Ensure cable G-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-B1A3	G-B1A3	20	1616324	60MB Alg card	
	G-C1A1	G-C1A1	20	1616814	Drive card	
	G-DE	G-DE	10	1616119	A3(60MB HDA)	
	G-B1A5	G-B1A5	5	2453101	21ED Pwr Cbl	
C939	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	Multi-cylinder seek faile Ensure customer PD has been completed. Ensure cable G-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-B1A3	G-B1A3	30	1616324	60MB Alg card	
	G-C1A1	G-C1A1	20	1616814	Drive card	
	G-DE	G-DE	10	1616119	A3(60MB HDA)	
	G-B1A5	G-B1A5	5	2453101	21ED Pwr Cbl	
C93A	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	Diagnostic Settle failed. Ensure customer PD has been completed. Ensure cable G-B1A5 is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-B1A3	G-B1A3	20	1616324	60MB Alg card	
	G-C1A1	G-C1A1	20	1616814	Drive card	
	G-DE	G-DE	10	1616119	A3(60MB HDA)	
	G-B1A5	G-B1A5	5	2453101	21ED Pwr Cbl	

C10

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C93C	G-A1A2 G-B1A3 G-DE	G-A1A2 G-B1A3 G-DE	40 25 25	1616312 1616324 1616119	60MB Dgl card 60MB Alg card A3(60MB HDA)	Data time interval timing test failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C93E	G-A1A2 G-B1A3 G-DE	G-A1A2 G-B1A3 G-DE	40 25 25	1616312 1616324 1616119	60MB Dgl card 60MB Alg card A3(60MB HDA)	Sector/Index timing test failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C940	A-A1A2 G-A1A2 G-B1A3 A-A1ZA G-DE	A-A1A2 G-A1A2 G-B1A3 A-A1ZA G-DE	60 20 5 5 5	2462200 1616312 1616324 2453100 1616119	Disk B adptr 60MB Dgl card 60MB Alg card Signal cable A3(60MB HDA)	Adapter access test failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C941	A-A1A2 G-A1A2 G-B1A3 A-A1ZA G-DE	A-A1A2 G-A1A2 G-B1A3 A-A1ZA G-DE	70 10 5 5 5	2462200 1616312 1616324 2453100 1616119	Disk B adptr 60MB Dgl card 60MB Alg card Signal cable A3(60MB HDA)	Loop VFO test failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C942	G-A1A2 G-B1A3 G-DE	G-A1A2 G-B1A3 G-DE	30 20 20	1616312 1616324 1616119	60MB Dgl card 60MB Alg card A3(60MB HDA)	Read ID all heads failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C943	A-A1A2 G-A1A2 G-B1A3 G-DE A-A1ZA	A-A1A2 G-A1A2 G-B1A3 G-DE A-A1ZA	60 10 10 10 5	2462200 1616312 1616324 1616119 2453100	Disk B adptr 60MB Dgl card 60MB Alg card A3(60MB HDA) Signal cable	Adapter read ID failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C944	A-A1A2 G-A1A2 G-B1A3 G-DE A-A1ZA	A-A1A2 G-A1A2 G-B1A3 G-DE A-A1ZA	60 10 10 10 5	2462200 1616312 1616324 1616119 2453100	Disk B adptr 60MB Dgl card 60MB Alg card A3(60MB HDA) Signal cable	Adapter read Data failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
C945	A-A1A2 G-A1A2 G-B1A3 G-DE A-A1ZA	A-A1A2 G-A1A2 G-B1A3 G-DE A-A1ZA	60 10 10 10 5	2462200 1616312 1616324 1616119 2453100	Disk B adptr 60MB Dgl card 60MB Alg card A3(60MB HDA) Signal cable	Read Verify failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C946	G-A1A2	G-A1A2	30	1616312	60MB Dgl card	Write Data all heads failed. Ensure customer PD has been completed. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-B1A3	G-B1A3	20	1616324	60MB Alg card	
	G-DE	G-DE	20	1616119	A3(60MB HDA)	
C947	A-A1A2	A-A1A2	60	2462200	Disk B adptr	Adapter write Data failed Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-A1A2	G-A1A2	10	1616312	60MB Dgl card	
	G-B1A3	G-B1A3	10	1616324	60MB Alg card	
	G-DE	G-DE	10	1616119	A3(60MB HDA)	
	A-A1ZA	A-A1ZA	5	2453100	Signal cable	
C948	A-A1A2	A-A1A2	60	2462200	Disk B adptr	Read Diagnostic failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-A1A2	G-A1A2	10	1616312	60MB Dgl card	
	G-B1A3	G-B1A3	10	1616324	60MB Alg card	
	G-DE	G-DE	10	1616119	A3(60MB HDA)	
	A-A1ZA	A-A1ZA	5	2453100	Signal cable	
C949	A-A1A2	A-A1A2	60	2462200	Disk B adptr	Correct ECC failed. Ensure customer PD has been completed. Ensure cable A-A1ZA is properly seated. Run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
	G-A1A2	G-A1A2	10	1616312	60MB Dgl card	
	G-B1A3	G-B1A3	10	1616324	60MB Alg card	
	G-DE	G-DE	10	1616119	A3(60MB HDA)	
	A-A1ZA	A-A1ZA	5	2453100	Signal cable	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC35	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	95 5	2462208 2462210	WS adptr cd WS ctrlr cd	The work station adapter card failed the controlle DBI/DBO test.
CC36	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	95 5	2462208 2462210	WS adptr cd WS ctrlr cd	The work station adapter card failed its wrap test
CC37	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	95 5	2462208 2462210	WS adptr cd WS ctrlr cd	The work station adapter card failed to reset its check latches.
CC38	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	95 5	2462208 2462210	WS adptr cd WS ctrlr cd	The work station adapter card failed its diag mode and prog level test.
CC39	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	95 5	2462208 2462210	WS adptr cd WS ctrlr cd	The work station adapter card failed its SERDES test.
CC3A	A-A1P2 A-A1Q2 A-A1G2	A-A1Q2 A-A1R2 A-A1K2	85 10 5	2462208 2462210 2462203	WS adptr cd WS ctrlr cd CSP card	The work station adapter card failed its interrupt program/timer test.
CC3C	A-A1P2 A-A1Q2 A-A1G2	A-A1Q2 A-A1R2 A-A1K2	70 25 5	2462208 2462210 2462203	WS adptr cd WS ctrlr cd CSP card	The work station adapter failed a cycle steal test
CC3E	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	95 5	2462208 2462210	WS adptr cd WS ctrlr cd	The work station adapter failed its hardware interrupt levels test.
CC3F	A-A1P2 Wrkstn WS cbl	A-A1Q2 Wrkstn WS cbl	80 15 5	2462208 -----	WS adptr cd Twnax/IBM cbl	The work station adapter card failed its port 0 line driver test. Replace the card first. If this FRU fails to fix the problem, go to the work station device maintenance manual and MI 710 (Cable Check Procedure) to check the remaining FRUs.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC40	A-A1P2 Wrkstn WS cbl	A-A1Q2 Wrkstn WS cbl	80 15 5	2462208 -----	WS adptr cd Twnax/IBM cbl	The work station adapter card failed to poll the system console. Verify that another work station on port 0 is not at same address as consol Replace the card first. If this FRU fails to fix the problem, go to the work station device maintenance manual and MI 710 (Cable Check Procedure) to check the remaining FRUs.
CC41	A-A1P2 Wrkstn WS cbl	A-A1Q2 Wrkstn WS cbl	60 30 10	2462208 -----	WS adptr cd Twnax/IBM cbl	The work station adapter failed its error checks test. This test needs a working console to run. Verify that two work stations are not at the same address on port 0, then replace the card first.
CC42	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	80 20	2462208 2462210	WS adptr cd WS ctrl cd	The work station adapter card failed the cycle steal register test.
CC43	A-A1P2 A-A1Q2	A-A1Q2 A-A1R2	80 20	2462208 2462210	WS adptr cd WS ctrl cd	The work station adapter card failed its hardware interrupt test.
CC44	A-A1Q2 A-A1P2	A-A1R2 A-A1Q2	80 20	2462210 2462208	WS ctrl cd WS adptr cd	The work station adapter card failed to poll the system console.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC46	A-A1Q2	A-A1R2	95	2462208 2462210	WS adptr cd WS ctrl cd	A1Q2 may have either out board controller (expansion system) or workstation adapter (base system), depending on system configuration.
CC4A	A-A1P2 Wrkstn WS cbl	A-A1Q2 Wrkstn WS cbl	80 15 5	2462208 -----	WS adptr cd Twnax/IBM cbl	The workstation adapter card failed its port 1-3 line drive test. Replace the card first. If this FRU fails to fix the problem, go to the workstation device maintenance manual and MI 710 (Cable Check Procedure) to check the remaining FRUs.
CC51	A-A1P2	A-A1Q2	99	2462208	WS adptr cd	The workstation adapter card failed its RAM test.
CC52	A-A1P2	A-A1Q2	99	2462208	WS adptr cd	The workstation adapter card failed its cycle steal block length test.
CC60	Base -- A-A1Q2 Wrkstn WS cbl Exp --- A-A1P2 Wrkstn WS cbl	Base -- A-A1R2 Wrkstn WS cbl Exp --- A-A1Q2 Wrkstn WS cbl	80 15 5 80 15 5	2462208 ----- 2462208 -----	WS adptr cd Twnax/IBM cbl WS adptr cd Twnax/IBM cbl	Port 0 failed. The workstation adapter card failed its hardware interrupt levels test. Replace the card first (base workstation) or (expansion workstation feature). If the card fails to fix the problem, go to the Work Station Device Maintenance manual and MIM 710 (Cable Check procedure) to check the other FRUs.

C16

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC61	Base --	Base --	60			The work station failed its hardware interrupt level test.
	Display	Display	30	-----	Twnax/IBM cbl	
	WS cbl	WS cbl	10	2462208	WS adptr cd	
	A-A1Q2	A-A1R2				
	Exp ---	Exp ---	60			
	Display	Display	30	-----	Twnax/IBM cbl	
CC62	WS cbl	WS cbl	7	2462208	WS adptr cd	The work station adapter card failed its hardware interrupt levels test. Replace the card first (base work station) or (expansion system). If th FRUs fail to fix the problem, go to MIM 706 (Network Analysis Procedure).
	A-A1P2	A-A1Q2	3	2462210	WS ctrl cd	
	A-A1Q2	A-A1R2				
	Base --	Base --	80	2462208	WS adptr cd	
	A-A1Q2	A-A1R2	15			
	Wrkstn	Wrkstn	5	-----	Twnax/IBM cbl	
CC63	WS cbl	WS cbl				Display stations and/or printers on a port are no responding. Go to the device maintenance manual (s) and MIM 710 (Cable Check Procedure). Use MIM 706 (Network Analysis Procedure) to assist in the problem.
	Exp ---	Exp ---	80	2462208	WS adptr cd	
	A-A1P2	A-A1Q2	15			
	Wrkstn	Wrkstn	5	-----	Twnax/IBM cbl	
	WS cbl	WS cbl				
	Wrkstn	Wrkstn	75	-----	Twnax/IBM cbl	
CC65	WS cbl	WS cbl	25			The work station adapter card failed the controlle DBI/DBO test.
	A-A1Q2	A-A1R2	95	2462208	WS adptr cd	
CC66	A-A1G2	A-A1K2	5	2462203	CSP card	The work station adapter card failed its wrap test
	A-A1G2	A-A1K2	5	2462203	CSP card	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC67	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	95 5	2462208 2462203	WS adptr cd CSP card	The work station adapter card failed to reset its check latches.
CC68	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	95 5	2462208 2462203	WS adptr cd CSP card	The work station adapter card failed its diag mode and prog level test.
CC69	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	95 5	2462208 2462203	WS adptr cd CSP card	The work station adapter card failed its SERDES test.
CC6A	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	95 5	2462208 2462203	WS adptr cd CSP card	The work station adapter card failed its interrupt program/timer test.
CC6C	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	75 25	2462208 2462203	WS adptr cd CSP card	The work station adapter failed a cycle steal test
CC6E	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	95 5	2462208 2462203	WS adptr cd CSP card	The work station adapter hardware interrupt levels test.
CC6F	A-A1Q2 Wrkstn WS cbl	A-A1R2 Wrkstn WS cbl	80 15 5	2462208 -----	WS adptr cd Twnax/IBM cbl	The work station adapter card failed its port 0 line driver check. Replace the card first. If this FRU fails to fix the problem, go to the work station device maintenance manual and MI 710 (Cable Check Procedure) to check the remaining port 0 FRUs.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC71	A-A1Q2 Wrkstn	A-A1R2 Wrkstn	70 30	2462208	WS adptr cd	The work station adapter failed its error checks test. This test needs a working console to run. Verify that two work stations are not at the same address on port 0. Replace the card first. If the adapter card fails to fix the problem, go to the console maintenance manual.
CC72	A-A1Q2 A-A1G2	A-A1R2 A-A1K2	80 20	2462208 2462203	WS adptr cd CSP card	The work station adapter card failed the cycle steal register test.
CC7A	A-A1Q2 Wrkstn WS cbl	A-A1R2 Wrkstn WS cbl	80 15 5	2462208 2462210 -----	WS adptr cd WS ctrl cd Twnax/IBM cbl	The work station adapter card failed its port 1-3 line drive test. Replace the card first. If this FRU fails to fix the problem, go to the work station device maintenance manual and MI 710 (Cable Check Procedure) to check the remaining FRUs.
CC81	A-A1Q2	A-A1R2	99	2462208	WS adptr cd	The work station adapter card failed it RAM test.
CC82	A-A1Q2	A-A1R2	99	2462208	WS adptr cd	The work station adapter card failed its cycle steal block length test.
Cd10	A-A1D2 A-A1G2 A-A1E2	A-A1D2 A-A1K2 A-A1E2	85 10 5	2462201 2462203 2462244	DSA1 card CSP card Tape Adptr Cd	Buffered adapter wraps failed.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
Cd30	A-A1D2	A-A1D2	68	2462201	DSA1 card	Diskette DLC wraps failed See MIM 602 for isolating diskette drive problems. DCC = drive control card.
	A-A1E2	A-A1E2	25	2462244	Tape Adptr Cd	
	DCC	DCC	4	4240728	Drive Ctrl cd	
	A-A1G2	A-A1K2	2	2462203	CSP card	
	A-A1YB	A-A1YB	1	2453107	Signal cable	
Cd81	A-A1C2	A-A1C2	70	2462209	DSA2 card	Ensure Top Card Connecto across positions A2,B2 an C2 is properly seated.
	A-A1A2	A-A1A2	10	2462200	Disk B adptr	
	A-A1B2	A-A1B2	10	2462200	Disk A adptr	
Cd82	A-A1C2	A-A1C2	70	2462209	DSA2 card	Ensure Top Card Connecto across positions A2,B2 an C2 is properly seated.
	A-A1A2	A-A1A2	10	2462200	Disk B adptr	
	A-A1B2	A-A1B2	10	2462200	Disk A adptr	
Cd83	A-A1C2	A-A1C2	70	2462209	DSA2 card	Ensure Top Card Connecto across positions A2,B2 an C2 is properly seated.
	A-A1A2	A-A1A2	10	2462200	Disk B adptr	
	A-A1B2	A-A1B2	10	2462200	Disk A adptr	
Cd84	A-A1C2	A-A1C2	70	2462209	DSA2 card	Ensure Top Card Connecto across positions A2,B2 an C2 is properly seated.
	A-A1A2	A-A1A2	10	2462200	Disk B adptr	
	A-A1B2	A-A1B2	10	2462200	Disk A adptr	
Cd85	A-A1C2	A-A1C2	70	2462209	DSA2 card	Ensure Top Card Connecto across positions A2,B2 an C2 is properly seated.
	A-A1A2	A-A1A2	10	2462200	Disk B adptr	
	A-A1B2	A-A1B2	10	2462200	Disk A adptr	
Cd86	A-A1C2	A-A1C2	70	2462209	DSA2 card	Ensure Top Card Connecto across positions A2,B2 an C2 is properly seated.
	A-A1A2	A-A1A2	10	2462200	Disk B adptr	
	A-A1B2	A-A1B2	10	2462200	Disk A adptr	
Cd8F	A-A1C2	A-A1C2	70	2462209	DSA2 card	Ensure Top Card Connecto across positions A2,B2 an C2 is properly seated.
	A-A1A2	A-A1A2	10	2462200	Disk B adptr	
	A-A1B2	A-A1B2	10	2462200	Disk A adptr	
CF01						01 - Initialization wrap error

D2

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CF61	A-A1Q2	A-A1R2	60	2462208	WS adptr cd	61 - w/s, MLCA Replace A1Q2 and A1T2 first. If system still fails, IPL mode 1 FF00. If IPL completes go to MIM 155.
	A-A1T2	A-A1T2	40	2462210 2462210 2462211	WS ctrl cd ELCA ctrl cd SLCA f-t cd	
CF65	A-A1D2	A-A1D2	99	2462201	DSA1 card	65 - disk/dskt DSA.
CF67	A-A1C2	A-A1C2	99	2462209	DSA2 card	67 - disk/DSA 2.
CF69		A-A1G2 A-A1F2 DFCICBL	90 5 4	2462259 2462222 -----	DFCA Cntl cd DFCA Dr/Rc Cd DFCA Cable	DFCA Hardware Error. Chec that all cable connection are seated properly.
CF71	A-A1S2 CABLE A-A1R2	A-A1S2 CABLE	97 01 01	SEE CD SEE CBL SEE CD	LAN Adptr cd Lan Adptr Cbl LAN f-t cd	LAN Adapter card, LAN Adapter Cable or LAN feed-thru card failing
CF82	A-A1U2	A-A1U2	23	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	82 - communications IPL Mode 1 FF00. Go to MIM 910 and run basic diagnostic test on all communication lines.
	A-A1V2	A-A1V2	23	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	
	A-A1W2	A-A1W2	23	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	
	A-A1X2	A-A1X2	23	2462212 2462214 2462213 2462215	CSEIA card CSDDA card CSX21 card CSV35 card	
	A-A1T2	A-A1T2	7	2462210 2462211	ELCA ctrl cd SLCA f-t cd	
CFA2						A2 - 21ED disk IPL DSKT03 Mode 3 0000

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CFB2						6157 CSU IPL wraps failed *IPL DSKT03 Mode 3 0000, use SRC for FRU isolation
CFC2						CFC2 - work station IPL DSKT03 Mode 3 0000
CFd2	A-A1D2 DCC A-A1G2 A-A1YB	A-A1D2 DCC A-A1K2 A-A1YB	93 4 2 1	2462201 4240728 2462203 2453107	DSA1 card Drive Ctrl cd CSP card Signal cable	Diskette DLC wraps failed See MIM 602 for isolating diskette drive problems. DCC = drive control card.
d074	MS A-A1J2 A-A1H2	MS A-A1M2 A-A1L2	73 73 20 5	2462220 2462206 2462261 2462263 2462204	MS cd 1024k MS card 128k MS card 256k MSP D Flow cd MSP Cntl cd	CSIPL 3rd load. MS = Main Storage. Go to MIM 160.
d079	A-A1J2 A-A1H2	A-A1P2 A-A1M2 A-A1L2 A-A1N2	70 20 5 5	2462220 2462263 2462204 2462220 2462206 2462261	MS Card 1024K MSP D Flow cd MSP Cntl cd MS Card 1024K MS card 128k MS card 256k	CSIPL 3rd load. Go to MIM 160.
d083	A-A1J2	A-A1P2 A-A1M2 A-A1N2	70 25 5	2462220 2462263 2462220 2462206 2462261	MS Card 1024K MSP D Flow cd MS Card 1024K MS card 128k MS card 256k	CSIPL 3rd load. Go to MIM 160.
d084	A-A1J2	A-A1P2 A-A1M2 A-A1N2	70 25 5	2462220 2462263 2462220 2462206 2462261	MS Card 1024K MSP D Flow cd MS Card 1024K MS card 128k MS card 256k	CSIPL 3rd load. Go to MIM 160.

D4

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
d085	A-A1J2	A-A1P2 A-A1M2 A-A1N2	70 25 5	2462220 2462263 2462220 2462206 2462261	MS Card 1024K MSP D Flow cd MS Card 1024K MS card 128k MS card 256k	CSIPL 3rd load. Go to MIM 160.
d087	A-A1J2	A-A1P2 A-A1M2 A-A1N2	70 25 5	2462220 2462263 2462220 2462206 2462261	MS Card 1024K MSP D Flow cd MS Card 1024K MS card 128k MS card 256k	CSIPL 3rd load. Go to MIM 160.
d185	A-A1J2	A-A1P2 A-A1M2 A-A1N2	70 25 5	2462220 2462263 2462220 2462206 2462261	MS Card 1024K MSP D Flow cd MS Card 1024K MS card 128k MS card 256k	CSIPL 3rd load. Go to MIM 160.
d300	A-A1J2	A-A1M2 A-A1P2 A-A1L2	60 30 7	2462263 2462220 2462204	MSP D Flow cd MS Card 1024K MSP Cntl cd	CSIPL 3rd load.
d302		A-A1L2 A-A1M2 A-A1P2	60 30 7	2462204 2462263 2462220	MSP Cntl cd MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d304		A-A1P2 A-A1M2	60 37	2462220 2462263	MS Card 1024K MSP D Flow cd	CSIPL 3rd load.
d306		A-A1P2/ A-A1N2 A-A1M2 A-A1L2	73 20 5	2462220 2462220 2462263 2462204	MS Card 1024K MS Card 1024K MSP D Flow cd MSP Cntl cd	CSIPL 3rd load. Go to MIM 160.
d308		A-A1P2/ A-A1N2 A-A1M2	74 24	2462220 2462220 2462263	MS Card 1024K MS Card 1024K MSP D Flow cd	CSIPL 3rd load. Go to MIM 160.
d310		A-A1P2/ A-A1N2 A-A1M2	74 24	2462220 2462220 2462263	MS Card 1024K MS Card 1024K MSP D Flow cd	CSIPL 3rd load. Go to MIM 160.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
d312		A-A1P2/ A-A1N2 A-A1M2	74 24	2462220 2462220 2462263	MS Card 1024K MS Card 1024K MSP D Flow cd	CSIPL 3rd load. Go to MIM 160.
d314		A-A1P2/ A-A1N2 A-A1M2	74 24	2462220 2462220 2462263	MS Card 1024K MS Card 1024K MSP D Flow cd	CSIPL 3rd load. Go to MIM 160.
d315		A-A1P2 A-A1M2	74 24	2462220 2462263	MS Card 1024K MSP D Flow cd	CSIPL 3rd load.
d316		A-A1M2 A-A1P2	55 43	2462263 2462220	MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d318		A-A1P2 A-A1M2	75 24	2462220 2462263	MS Card 1024K MSP D Flow cd	CSIPL 3rd load.
d320		A-A1P2 A-A1M2	75 24	2462220 2462263	MS Card 1024K MSP D Flow cd	CSIPL 3rd load.
d322		A-A1P2 A-A1M2	59 40	2462220 2462263	MS Card 1024K MSP D Flow cd	CSIPL 3rd load.
d324		A-A1P2 A-A1M2	59 40	2462220 2462263	MS Card 1024K MSP D Flow cd	CSIPL 3rd load.
d326		A-A1P2	99	2462220	MS Card 1024K	CSIPL 3rd load.
d328		A-A1P2	99	2462220	MS Card 1024K	CSIPL 3rd load.
d330		A-A1N2	99	2462220	MS Card 1024K	CSIPL 3rd load.
d332		A-A1N2	99	2462220	MS Card 1024K	CSIPL 3rd load.
d334		A-A1P2 A-A1M2	55 45	2462220 2462263	MS Card 1024K MSP D Flow cd	CSIPL 3rd load.
d335		A-A1N2 A-A1M2 A-A1P2 A-A1L2	50 20 20 5	2462206 2462263 2462220 2462204	MS card 128k MSP D Flow cd MS Card 1024K MSP Cntl cd	CSIPL 3rd load.
d336		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462206 2462263 2462220	MS card 128k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.

D6

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
d337		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462206 2462263 2462220	MS card 128k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d338		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462206 2462263 2462220	MS card 128k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d339		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462206 2462263 2462220	MS card 128k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d340		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462261 2462263 2462220	MS card 256k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d341		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462261 2462263 2462220	MS card 256k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d342		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462261 2462263 2462220	MS card 256k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d343		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462261 2462263 2462220	MS card 256k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d344		A-A1N2 A-A1M2 A-A1P2	50 25 20	2462261 2462263 2462220	MS card 256k MSP D Flow cd MS Card 1024K	CSIPL 3rd load.
d346	A-A1H2 A-A1J2 A-A1N2 A-A1G2 A-A1	A-A1L2 A-A1M2 A-A1K2 A-A1	50 30 10 30 1 1	2462204 2462263 2462261 2462203 2452880 2453968	MSP Cntl cd MSP D Flow cd MS card 256k CSP card A1 Board A1 Board	CSIPL 3rd load.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
d444	A-A1J2 A-A1N2 A-A1H2 A-A1	A-A1M2 A-A1L2 A-A1	60 30 7 1 1	2462263 2462261 2462204 2452880 2453968	MSP D Flow cd MS card 256k MSP Cntl cd A1 Board A1 Board	CSIPL 3rd load.
d475	A-A1N2 A-A1J2 A-A1	A-A1M2 A-A1	60 39 1 1	2462261 2462263 2452880 2453968	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load.
d476	A-A1N2 A-A1J2 A-A1	A-A1M2 A-A1	60 38 1 1	2462261 2462263 2452880 2453968	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load.
d477	MS A-A1J2 A-A1H2 A-A1	A-A1M2 A-A1L2 A-A1	73 20 5 1 1	2462261 2462263 2462204 2452880 2453968	MS card 256k MSP D Flow cd MSP Cntl cd A1 Board A1 Board	CSIPL 3rd load. MS = main storage Go to MIM 160.
d479	MS A-A1J2 A-A1H2	A-A1M2 A-A1L2	73 20 5	2462261 2462263 2462204	MS card 256k MSP D Flow cd MSP Cntl cd	CSIPL 3rd load. MS = main storage Go to MIM 160
d480	A-A1J2 A-A1H2 A-A1	A-A1M2 A-A1L2 A-A1	20 5 1 1	2462263 2462204 2452880 2453968	MSP D Flow cd MSP Cntl cd A1 Board A1 Board	
d483	MS A-A1J2 A-A1	A-A1M2 A-A1	74 24 1 1	2462261 2462263 2452880 2453968	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load. MS = main storage Go to MIM 160.
d484	MS A-A1J2 A-A1	A-A1M2 A-A1	74 24 1 1	2462261 2462263 2452880 2453968	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load. MS = main storage Go to MIM 160.

D8

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
d485	MS A-A1J2	A-A1M2	74 25	2462261 2462263	MS card 256k MSP D Flow cd	CSIPL 3rd load. MS = main storage Go to MIM 160.
d486	A-A1N2 A-A1J2 A-A1	A-A1M2 A-A1	74 24 1 1	2462261 2462263 2452880 2453968	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load.
d487	MS A-A1J2	A-A1M2	74 25	2462261 2462263	MS card 256k MSP D Flow cd	CSIPL 3rd load. MS = main storage. Go to MIM 160.
d488	A-A1N2 A-A1J2 A-A1	A-A1M2 A-A1	74 24 1 1	2462261 2462263 2452880 2453968	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load.
d489	A-A1J2 A-A1N2 A-A1	A-A1M2 A-A1	74 24 1 1	2462263 2462261 2452880 2453968	MSP D Flow cd MS card 256k A1 Board A1 Board	CSIPL 3rd load.
d492	A-A1J2 A-A1N2 A-A1H2 A-A1	A-A1M2 A-A1L2 A-A1	60 20 19 1 1	2462263 2462261 2462204 2452880 2453968	MSP D Flow cd MS card 256k MSP Cntl cd A1 Board A1 Board	CSIPL 3rd load.
d493	A-A1N2 A-A1J2 A-A1	A-A1M2 A-A1	75 24 1 1	2462261 2462263 2452880 2453968	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load.
d494	MS A-A1J2 A-A1	A-A1M2 A-A1	75 24 1 1	2462261 2462263 2452880 2453968	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load. MS = main storage Go to MIM 160.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
d497	A-A1N2	A-A1M2 A-A1	74	2462261	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load.
	A-A1J2		24	2462263		
			1	2452880		
	A-A1		1	2453968		
d498	A-A1N2	A-A1M2 A-A1	60	2462261	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load.
	A-A1J2		38	2462263		
			1	2452880		
	A-A1		1	2453968		
d499	A-A1N2	A-A1M2 A-A1	59	2462261	MS card 256k MSP D Flow cd A1 Board A1 Board	CSIPL 3rd load.
	A-A1J2		40	2462263		
			1	2452880		
	A-A1		1	2453968		
d501	A-A1N2		99	2462261	MS card 256k	CSIPL 3rd load.
d502	A-A1M2		99	2462261	MS card 256k	CSIPL 3rd load.
d504	A-A1L2	A-A1N2	99	2462206	MS card 128k	CSIPL 3rd load.
d508	A-A1K2		99	2462261	MS card 256k	CSIPL 3rd load.
d511	A-A1M2	A-A1M2	55	2462261	MS card 256k MSP D Flow cd	CSIPL 3rd load.
	A-A1J2		45	2462263		
d531	A-A1J2	A-A1M2 A-A1L2	40	2462263	MSP D Flow cd MSP Cntl cd MS card 256k	
	A-A1H2		40	2462204		
	A-A1N2		20	2462261		
d678	A-A1N2	A-A1M2 A-A1	73	2462261	MS card 256k MSP D Flow cd MS card 128k A1 Board A1 Board	CSIPL 3rd load. MS = main storage
	A-A1J2		20	2462263		
	A-A1M2		5	2462206		
	A-A1		1	2452880		
d679	MS	A-A1M2 A-A1L2	73	2462206	MS card 128k MS card 256k MSP D Flow cd MSP Cntl cd	CSIPL 3rd load. MS = main storage Autoconfigure failed. Go to MIM 160.
	A-A1J2		20	2462263		
	A-A1H2		20	2462263		
	A-A1H2		5	2462204		

D10

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
d683	MS		74	2462206	MS card 128k	CSIPL 3rd load. MS = main storage Go to MIM 160.
				2462261	MS card 256k	
	A-A1J2	A-A1M2	24	2462263	MSP D Flow cd	
d684	MS		74	2462206	MS card 128k	CSIPL 3rd load. MS = main storage Go to MIM 160.
				2462261	MS card 256k	
	A-A1J2	A-A1M2	24	2462263	MSP D Flow cd	
	A-A1	A-A1	1	2452880	A1 Board	
			1	2453968	A1 Board	
d685	MS		74	2462206	MS card 128k	CSIPL 3rd load. MS = main storage Go to MIM 160.
				2462261	MS card 256k	
	A-A1J2	A-A1M2	25	2462263	MSP D Flow cd	
d687	MS		74	2462206	MS card 128k	CSIPL 3rd load. MS = main storage Go to MIM 160.
				2462261	MS card 256k	
	A-A1J2	A-A1M2	24	2462263	MSP D Flow cd	
d695	MS		74	2462206	MS card 128k	CSIPL 3rd load. MS = main storage Go to MIM 160.
				2462261	MS card 256k	
	A-A1J2	A-A1M2	24	2462263	MSP D Flow cd	
	A-A1	A-A1	1	2452880	A1 Board	
			1	2453968	A1 Board	
d902	A-A1J2	A-A1M2	50	2462263	MSP D Flow cd	CSIPL 3rd load. Go to MIM 160.
	A-A1H2	A-A1L2	24	2462204	MSP Cntl cd	
		A-A1P2/ A-A1N2	20	2462220	MS Card 1024K	
				2462220	MS Card 1024K	
d910	A-A1J2	A-A1M2	80	2462263	MSP D Flow cd	CSIPL 3rd load.
		A-A1P2	19	2462220	MS Card 1024K	
d940	A-A1G2	A-A1K2	98	2462203	CSP card	CSIPL 3rd load.
d950	A-A1G2	A-A1K2	33	2462203	CSP card	CSIPL 3rd load.
	A-A1J2	A-A1M2	33	2462263	MSP D Flow cd	
d970	A-A1G2	A-A1K2	33	2462203	CSP card	CSIPL 3rd load.
	A-A1H2	A-A1L2	33	2462204	MSP Cntl cd	
	A-A1J2	A-A1M2	33	2462263	MSP D Flow cd	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dAXX						CSIPL 3rd load. Used in step mode and in stop on errors to indicate the TU XX just executed.
dC00	A-A1J2 A-A1H2 A-A1G2 A-A1	A-A1M2 A-A1L2 A-A1K2 A-A1	50 30 18 1 1	2462263 2462204 2462203 2452880 2453968	MSP D Flow cd MSP Cntl cd CSP card A1 Board A1 Board	CSIPL 3rd load.
dC02	A-A1G2 A-A1J2 A-A1H2 A-A1	A-A1K2 A-A1M2 A-A1L2 A-A1	55 30 15 1 1	2462203 2462263 2462204 2452880 2453968	CSP card MSP D Flow cd MSP Cntl cd A1 Board A1 Board	CSIPL 3rd load.
dC03	A-A1J2 A-A1G2 A-A1H2 A-A1	A-A1M2 A-A1K2 A-A1L2 A-A1	77 11 10 1 1	2462263 2462203 2462204 2452880 2453968	MSP D Flow cd CSP card MSP Cntl cd A1 Board A1 Board	CSIPL 3rd load.
dC06	A-A1J2 A-A1H2 A-A1G2 A-A1	A-A1M2 A-A1L2 A-A1K2 A-A1	40 30 27 1 1	2462263 2462204 2462203 2452880 2453968	MSP D Flow cd MSP Cntl cd CSP card A1 Board A1 Board	CSIPL 3rd load.
dC07	A-A1J2 A-A1G2 A-A1H2 A-A1	A-A1M2 A-A1K2 A-A1L2 A-A1	77 11 10 1 1	2462263 2462203 2462204 2452880 2453968	MSP D Flow cd CSP card MSP Cntl cd A1 Board A1 Board	CSIPL 3rd load.
dC08	A-A1J2 A-A1H2 A-A1G2 A-A1	A-A1M2 A-A1L2 A-A1K2 A-A1	50 30 17 1 1	2462263 2462204 2462203 2452880 2453968	MSP D Flow cd MSP Cntl cd CSP card A1 Board A1 Board	CSIPL 3rd load.

D12

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dC09	A-A1J2	A-A1M2	50	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	40	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	8	2462203	CSP card	
	A-A1	A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC10	A-A1J2	A-A1M2	50	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	35	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	12	2462203	CSP card	
	A-A1	A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC12	A-A1H2	A-A1L2	50	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
	A-A1G2	A-A1K2	2	2462203	CSP card	
dC14	A-A1H2	A-A1L2	60	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	30	2462263	MSP D Flow cd	
	A-A1G2	A-A1K2	7	2462203	CSP card	
	A-A1	A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC16	A-A1H2	A-A1L2	60	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	38	2462263	MSP D Flow cd	
dC18	A-A1H2	A-A1L2	50	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
dC20	A-A1H2	A-A1L2	55	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	43	2462263	MSP D Flow cd	
dC22	A-A1H2	A-A1L2	50	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	40	2462263	MSP D Flow cd	
	A-A1G2	A-A1K2	7	2462203	CSP card	
	A-A1	A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC24	A-A1J2	A-A1M2	60	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	30	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	7	2462203	CSP card	
	A-A1	A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dC26	A-A1H2	A-A1L2	60	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	38	2462263	MSP D Flow cd	
dC28	A-A1J2	A-A1M2	70	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	24	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	3	2462203	CSP card	
	A-A1	A-A1	1	2452880	A1 Board	
dC29	A-A1	A-A1	1	2453968	A1 Board	CSIPL 3rd load.
	A-A1J2	A-A1M2	44	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	34	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	20	2462203	CSP card	
	A-A1	A-A1	1	2452880	A1 Board	
dC30	A-A1G2	A-A1K2	70	2462203	CSP card	CSIPL 3rd load.
	A-A1H2	A-A1L2	28	2462204	MSP Cntl cd	
	A-A1	A-A1	1	2452880	A1 Board	
	A-A1	A-A1	1	2453968	A1 Board	
dC31	A-A1J2	A-A1M2	70	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	28	2462204	MSP Cntl cd	
dC32	A-A1J2	A-A1M2	70	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	28	2462204	MSP Cntl cd	
dC33	A-A1H2	A-A1L2	40	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	40	2462263	MSP D Flow cd	
	A-A1F2		17	2462202	Cntl panel cd	
		A-A1J2		2462219	Cntl panel cd	
	A-A1	A-A1	1	2452880	A1 Board	
dC34	A-A1	A-A1	1	2453968	A1 Board	CSIPL 3rd load.
	A-A1J2	A-A1M2	50	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	30	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	17	2462203	CSP card	
	A-A1	A-A1	1	2452880	A1 Board	
dC35	A-A1	A-A1	1	2453968	A1 Board	CSIPL 3rd load.
	A-A1G2	A-A1K2	69	2462203	CSP card	
	A-A1H2	A-A1L2	30	2462204	MSP Cntl cd	

D14

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dC36	A-A1J2 A-A1H2	A-A1M2 A-A1L2	70 28	2462263 2462204	MSP D Flow cd MSP Cntl cd	CSIPL 3rd load.
dC37	A-A1J2 A-A1H2 A-A1G2 A-A1	A-A1M2 A-A1L2 A-A1K2 A-A1	45 35 18 1 1	2462263 2462204 2462203 2452880 2453968	MSP D Flow cd MSP Cntl cd CSP card A1 Board A1 Board	CSIPL 3rd load.
dC40	A-A1J2 A-A1H2	A-A1M2 A-A1L2	60 38	2462263 2462204	MSP D Flow cd MSP Cntl cd	CSIPL 3rd load.
dC42	A-A1J2 A-A1H2	A-A1M2 A-A1L2	60 38	2462263 2462204	MSP D Flow cd MSP Cntl cd	CSIPL 3rd load.
dC44	A-A1J2 A-A1N2 A-A1H2 A-A1	A-A1M2 A-A1L2 A-A1	60 30 7 1 1	2462263 2462206 2462204 2452880 2453968	MSP D Flow cd MS card 128k MSP Cntl cd A1 Board A1 Board	CSIPL 3rd load.
dC46	A-A1H2 A-A1J2 A-A1N2 A-A1G2 A-A1	A-A1L2 A-A1M2 A-A1K2 A-A1	50 30 10 7 1 1	2462204 2462263 2462206 2462203 2452880 2453968	MSP Cntl cd MSP D Flow cd MS card 128k CSP card A1 Board A1 Board	CSIPL 3rd load.
dC48	A-A1H2 A-A1J2 A-A1G2 A-A1	A-A1L2 A-A1M2 A-A1K2 A-A1	60 36 1 1 1	2462204 2462263 2462203 2452880 2453968	MSP Cntl cd MSP D Flow cd CSP card A1 Board A1 Board	CSIPL 3rd load.
dC50	A-A1H2 A-A1J2	A-A1L2 A-A1M2	70 28	2462204 2462263	MSP Cntl cd MSP D Flow cd	CSIPL 3rd load.
dC52	A-A1H2 A-A1J2	A-A1L2 A-A1M2	70 28	2462204 2462263	MSP Cntl cd MSP D Flow cd	CSIPL 3rd load.
dC54	A-A1H2 A-A1J2	A-A1L2 A-A1M2	60 38	2462204 2462263	MSP Cntl cd MSP D Flow cd	CSIPL 3rd load.

D15

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dC56	A-A1H2	A-A1L2	60	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	38	2462263	MSP D Flow cd	
dC58	A-A1J2	A-A1M2	60	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	38	2462204	MSP Cntl cd	
dC60	A-A1H2	A-A1L2	50	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	48	2462263	MSP D Flow cd	
dC62	A-A1H2	A-A1L2	60	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	38	2462263	MSP D Flow cd	
dC63	A-A1H2	A-A1L2	60	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	38	2462263	MSP D Flow cd	
dC64	A-A1J2	A-A1M2	60	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	28	2462204	MSP Cntl cd	
	A-A1N2		10	2462206	MS card 128k	
dC65	A-A1H2	A-A1L2	60	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	38	2462263	MSP D Flow cd	
dC66	A-A1H2	A-A1L2	60	2462204	MSP Cntl cd	CSIPL 3rd load.
	A-A1J2	A-A1M2	38	2462263	MSP D Flow cd	
dC67	A-A1J2	A-A1M2	60	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	38	2462204	MSP Cntl cd	
dC68	A-A1J2	A-A1M2	60	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	30	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	6	2462203	CSP card	
	A-A1F2		2	2462202	Cntl panel cd	
		A-A1J2		2462219	Cntl panel cd	
dC75	MS		73	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2	A-A1M2	20	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	5	2462204	MSP Cntl cd	
		A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	

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SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dC79	MS		73	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2	A-A1M2	20	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	5	2462204	MSP Cntl cd	
		A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC81	A-A1N2		73	2462206	MS card 128k	CSIPL 3rd load.
	A-A1J2	A-A1M2	20	2462263	MSP D Flow cd	
	A-A1H2	A-A1L2	5	2462204	MSP Cntl cd	
		A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC82	A-A1J2	A-A1M2	60	2462263	MSP D Flow cd	CSIPL 3rd load.
	A-A1H2	A-A1L2	27	2462204	MSP Cntl cd	
	A-A1G2	A-A1K2	10	2462203	CSP card	
		A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC83	MS		74	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2	A-A1M2	24	2462263	MSP D Flow cd	
		A-A1	2	2452880	A1 Board	
	A-A1		2	2453968	A1 Board	
dC84	MS		74	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2	A-A1M2	24	2462263	MSP D Flow cd	
		A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC85	MS		74	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160
	A-A1J2	A-A1M2	25	2462263	MSP D Flow cd	
dC86	A-A1N2		74	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2	A-A1M2	24	2462263	MSP D Flow cd	
		A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC87	MS		74	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2	A-A1M2	24	2462263	MSP D Flow cd	
		A-A1	1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dC88	A-A1N2	A-A1M2 A-A1	74	2462206	MS card 128k	CSIPL 3rd load.
	A-A1J2		24	2462263	MSP D Flow cd	
			1	2452880	A1 Board	
	A-A1		1	2453968	A1 Board	
dC89	MS	A-A1M2 A-A1L2 A-A1	73	2462206	MS card 128k	CSIPL 3rd Load. Go to MIM 160
	A-A1J2		20	2462263	MSP D Flow cd	
	A-A1H2		5	2462204	MSP Cntl cd	
			1	2452880	A1 Board	
	A-A1	1	2453968	A1 Board		
dC92	MS	A-A1M2 A-A1L2 A-A1	73	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2		20	2462263	MSP D Flow cd	
	A-A1H2		5	2462204	MSP Cntl cd	
			1	2452880	A1 Board	
	A-A1	1	2453968	A1 Board		
dC93	A-A1N2	A-A1M2	75	2462206	MS card 128k	CSIPL 3rd load.
	A-A1J2		24	2462263	MSP D Flow cd	
dC96	MS	A-A1M2 A-A1L2 A-A1	73	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2		20	2462263	MSP D Flow cd	
	A-A1H2		5	2462204	MSP Cntl cd	
			1	2452880	A1 Board	
	A-A1	1	2453968	A1 Board		
dC97	MS	A-A1M2 A-A1L2 A-A1	73	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2		20	2462263	MSP D Flow cd	
	A-A1H2		5	2462204	MSP Cntl cd	
			1	2452880	A1 Board	
	A-A1	1	2453968	A1 Board		
dC98	MS	A-A1M2 A-A1L2 A-A1	73	2462206	MS card 128k	CSIPL 3rd load. Go to MIM 160.
	A-A1J2		20	2462263	MSP D Flow cd	
	A-A1H2		5	2462204	MSP Cntl cd	
			1	2452880	A1 Board	
	A-A1	1	2453968	A1 Board		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dc99	MS A-A1J2 A-A1H2 A-A1	A-A1M2 A-A1L2 A-A1	73 20 5 1 1	2462206 2462263 2462204 2452880 2453968	MS card 128k MSP D Flow cd MSP Cntl cd A1 Board A1 Board	CSIPL 3rd load. Go to MIM 160.
dd01	A-A1N2 A-A1J2	A-A1M2	90 9	2462206 2462263	MS card 128k MSP D Flow cd	CSIPL 3rd load.
dd02	A-A1M2		99	2462206	MS card 128k	CSIPL 3rd load.
dd04	A-A1L2	A-A1N2	99	2462261	MS card 256k	
dd08	A-A1K2		99	2462206	MS card 128k	
dd10	A-A1J2	A-A1M2	98	2462263	MSP D Flow cd	CSIPL 3rd load. If replacing FRU does not correct the problem, check to see that the UDT is correct.
dd11	A-A1N2 A-A1J2	A-A1M2	55 45	2462206 2462263	MS card 128k MSP D Flow cd	CSIPL 3rd load.
dd20	A-A1H2	A-A1L2	98	2462204	MSP Cntl cd	CSIPL 3rd load.
dd30	A-A1H2 A-A1J2	A-A1L2 A-A1M2	49 49	2462204 2462263	MSP Cntl cd MSP D Flow cd	CSIPL 3rd load.
dd31	A-A1J2 A-A1H2 A-A1N2	A-A1M2 A-A1L2	60 25 14	2462263 2462204 2462206	MSP D Flow cd MSP Cntl cd MS card 128k	
dd40	A-A1F2	A-A1J2	98	2462202 2462219	Cntl panel cd Cntl panel cd	CSIPL 3rd load.
dd50	A-A1L2 A-A1J2	A-A1M2	55 45	2462206 2462263	MS card 128k MSP D Flow cd	CSIPL 3rd load.
dd70	A-A1F2 A-A1H2 A-A1J2	A-A1J2 A-A1L2 A-A1M2	33 33 33	2462202 2462219 2462204 2462263	Cntl panel cd Cntl panel cd MSP Cntl cd MSP D Flow cd	CSIPL 3rd load.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dEXX						CSIPL 3rd load. Test unit XX is not in the load module.
dF90						An unexpected failure occurred before or during the disk load of DCP. Customization may be wrong. Reload microcode (MIM 324). If that doesn't fix the problem, run disk problem determination procedures. (MIM 802, 105)
dF91	A-A1B2 A-A1C2/ A-A1D2 F-A1A2 F-B1A3 A-A1YJ F-DE	A-A1B2 A-A1C2/ A-A1D2 F-A1A2 F-B1A3 A-A1YJ F-DE	40 30 10 5 5 2	2462200 2462209 2462201 1616312 1616312 4044272 1616324 2453100 1616699 1616119	Disk A adptr DSA2 card DSA1 card 30MB Dgl card 60MB Dgl card 30MB Alg card 60MB Alg card Signal cable A2 (30MB HDA) A3 (60MB HDA)	--Disk Loader-- Severe hardware error. (disk load of DCP) Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dF92	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ	70 25 5	2462209 2462201 2462200 2453100	DSA2 card DSA1 card Disk A adptr Signal cable	--Disk Loader-- DSA error. (disk load of DCP) Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)
dF93	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ F-A1A2	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ F-A1A2	45 35 5 5	2462209 2462201 2462200 2453100 1616312 1616312	DSA2 card DSA1 card Disk A adptr Signal cable 30MB Dgl card 60MB Dgl card	--Disk Loader-- Interrupt timeout. (disk load of DCP) Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dF94	A-A1B2 A-A1YJ	A-A1B2 A-A1YJ	75 15	2462200 2453100	Disk A adptr Signal cable	--Disk Loader-- ECC error. Ensure cable A-A1YJ is properly seated. (disk load of DCP) Media or Data problem. Run pack analysis (MIM 332, 338) - follow recommended actions. If that doesn't fix - reload microcode (MIM 324). If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
dF95	A-A1B2 A-A1YJ	A-A1B2 A-A1YJ	75 15	2462200 2453100	Disk A adptr Signal cable	--Disk Loader-- (disk load of DCP) Ensure cable A-A1YJ is properly seated. Run pack analysis (MIM 332, 338) - follow recommended actions. If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dF96						-- Disk Loader -- Completed DCP load w/o detected error. Indicates failure in execution of code from load. Customization may be wrong. Reload microcode. If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
dFFA						CSIPL 3rd load. MSP cannot be initialized with input option FF00.
dFFb						CSIPL 3rd load. Configure error class.
dFFC	A-A1D2 A-A1B2	A-A1D2 A-A1B2	20 20	2462201 2462200	DSA1 card Disk A adptr	CSIPL 3rd load. This code is generated when an error that can not be identified occurs while loading DCP from disk or diskette.
dFFd						CSIPL 3rd load. MSP TU CS length too much.
dFFE						CSIPL 3rd load. Not a valid MSP MDI rule found.
dFFF						CSIPL 3rd load. Unknown error condition while running MSP IPL diagnostics.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E000	A-A1F2 A-A1G2	A-A1J2 A-A1K2	99 1	2462202 2462219 2462203	Cntl panel cd Cntl panel cd CSP card	The console, program and processor led's are all on after the system is powered on. This condition indicates that the panel card failed power on diagnostics.
E002	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Bad parity was detected on data read from the CSP
E003	A-A1F2 A-A1G2	A-A1J2 A-A1K2	90 10	2462202 2462219 2462203	Cntl panel cd Cntl panel cd CSP card	Bad parity was detected on data written to CSP
E005	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP stopped, for no apparent reason (that is, WR2A did not include a valid SPC instruction and the CSP is not processor checked.
E011	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP active during PCB sense RCB.
E012	A-A1G2 A-A1F2 A-A1S2 A-A1R2	A-A1K2 A-A1J2 A-A1S2	90 10 1 1	2462203 2462202 2462219 2462289 SEE CD	CSP card Cntl panel cd Cntl panel cd LAN Adptr cd LAN f-t cd	CSP active during PCB sense LSR.
E013	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP remained active longer than 510 millisecond during a Disable Cycle Steals PCB command.

E6

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E016	A-A1G2 A-A1F2	A-A1K2	90	2462203	CSP card	CSP active during "Sense Channel Error Byte" command.
		A-A1J2	10	2462202	Cntl panel cd	
			2462219	Cntl panel cd		
E017	A-A1G2 A-A1F2	A-A1K2	90	2462203	CSP card	CSP active during "Sense Channel Register" command.
		A-A1J2	10	2462202	Cntl panel cd	
			2462219	Cntl panel cd		
E018	A-A1G2 A-A1F2	A-A1K2	90	2462203	CSP card	CSP active during PCB "Set Machine Check" command.
		A-A1J2	10	2462202	Cntl panel cd	
			2462219	Cntl panel cd		
E019	A-A1G2 A-A1F2	A-A1K2	90	2462203	CSP card	CSP active during PCB "Load SDR" command.
		A-A1J2	10	2462202	Cntl panel cd	
			2462219	Cntl panel cd		
E01A	A-A1G2 A-A1F2	A-A1K2	90	2462203	CSP card	CSP active during PCB "Load SAR" command.
		A-A1J2	10	2462202	Cntl panel cd	
			2462219	Cntl panel cd		
E01C	A-A1G2 A-A1F2 Pwr Sup DC Cbl	A-A1K2	90	2462203	CSP card	CSP active during PCB "Load MOR" command.
		A-A1J2 Pwr Sup DC Cbl	5	2462202	Cntl panel cd	
			4	2462219	Cntl panel cd	
				5561773	P S 100 Volt	
				5561774	P S 200 Volt	
1	2453107	DC Distr cbl				
E01E	A-A1G2 A-A1F2	A-A1K2	90	2462203	CSP card	CSP active during PCB "Execute MOR" command.
		A-A1J2	10	2462202	Cntl panel cd	
			2462219	Cntl panel cd		
E01F	A-A1G2 A-A1F2	A-A1K2	90	2462203	CSP card	CSP active during PCB "Sense SDR" command.
		A-A1J2	10	2462202	Cntl panel cd	
			2462219	Cntl panel cd		
E021	A-A1F2	A-A1J2	90	2462202	Cntl panel cd	Self-test failed ROS 2 (CSP microcode checksum test.
	A-A1G2		A-A1K2	10	2462203	

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E022	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP PEB not reset after PCB reset, sense of PEB detected bad parity, or CSP went active during strobe of PCB sense.
E023	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP CEB not reset after PCB reset or sense of PEB detected bad parity.
E024	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Channel register not rese by PCB reset command.
E025	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP main level MAR not zero after PCB reset.
E026	A-A1F2 A-A1G2	A-A1J2 A-A1K2	90 10	2462202 2462219 2462203	Cntl panel cd Cntl panel cd CSP card	Self-test failed, unable to reset check pulse latc on panel processor card.
E027	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Self-test failed, one of the following PCB command returned bad parity, sense PEB, sense CR, sense LSR.
E028	A-A1F2 A-A1G2	A-A1J2 A-A1K2	50 50	2462202 2462219 2462203	Cntl panel cd Cntl panel cd CSP card	Self-test failed, service interface data bus wrap test (either the service adapter logic is bad or a CSP bus bit is stuck active).

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
E029	A-A1G2	A-A1K2	40	2462203	CSP card	Go to channel FRU Isolation Procedure 155. Self-test failed, reset CSP status check (one of the following conditions occurred after PCB reset: Processor Check, OLB not on main level, Channel Register had bad parity, or Channel Register had wrong data for reset state). If SLCA is installed, A1U2 is more probable than A1T2. If MLCA is installed, A1T2 is more probable than A1U2. Note Work stations may have either an outboard controller (work station expansion system) or work station adapter (base system).	
	A-A1F2	A-A1J2	10	2462202	Cntl panel cd		
		A-A1C2	10	2462209	Cntl panel cd		
		A-A1C2	10	2462209	DSA2 card		
		A-A1D2	10	2462201	DSA1 card		
		A-A1Q2	10	2462208	WS adptr cd		
				2462210	WS ctrl cd		
			5	2462265	DSC Ctlr cd		
				2462221	DSC f-t cd		
		A-A1S2	A-A1S2	5	2462289		LAN Adptr cd
		A-A1R2		5	SEE CD		LAN f-t cd
		A-A1T2	A-A1T2	5	2462210		ELCA ctrl cd
		A-A1U2/	A-A1U2/	5	2462211		SLCA f-t cd
				2462212	CSEIA card		
				2462214	CSDDA card		
				2462213	CSX21 card		
				2462215	CSV35 card		
	A-A1V2	A-A1V2	1	2462259	DFCA Cntl cd		
		A-A1G2					
E02A	A-A1G2	A-A1K2	90	2462203	CSP card	Self-test failed during CSP SDR wrap test (an error was detected during load/sense of CSP SDR or data mismatch occurred).	
	A-A1F2		10	2462202	Cntl panel cd		
		A-A1J2		2462219	Cntl panel cd		
E02C	A-A1G2	A-A1K2	90	2462203	CSP card	Self-test failed during CSP storage test (an error was detected during load/sense of storage or data mismatch occurred).	
	A-A1F2		10	2462202	Cntl panel cd		
		A-A1J2		2462219	Cntl panel cd		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E02E	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Self-test failed during CSP run test(CSP inactive after PCB Start, or processor check detected)
E02F	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Self-test failed during CSP stop test (CSP active after PCB Start, or processor check detected)
E030	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Self-test failed during CSP processor check test (CSP active, not on MC level or processor check bit not set following a forced processor check).
E031	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	CSP is at an EC level which is not compatible with panel processor microcode.
E032	A-A1G2 A-A1F2	A-A1K2 A-A1J2	50 50	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Self-test failed CSP reset test while PCB reset command active (CSP active processor check, or OLB not on main level during reset command)
E033	A-A1G2 A-A1F2	A-A1K2 A-A1J2	50 50	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Self-test failed CSP active check after PCB reset command was removed (CSP active following a PCB reset command).
E034	A-A1G2 A-A1F2	A-A1K2 A-A1J2	90 10	2462203 2462202 2462219	CSP card Cntl panel cd Cntl panel cd	Self-test failed in MC MAB wrap test (an error was detected during load/sense of MC MAB or a data mismatch occurred)

E10

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E040	UPS A-A1F2	UPS A-A1J2	95 4	2462202	Cntl panel cd Cntl panel cd DC Distr cbl	With uninterruptable pwr supply installed: the uninterruptable power supply is indicating low voltage and a power down condition is eminent. ----- Without uninterruptable power supply installed.
	DC Cbl	DC Cbl	1	2462219 2453107		
	----- A-A1F2	----- A-A1J2	-- 95	2462202		
	DC Cbl	DC Cbl	5	2462219 2453107		
E050	Panel A-A1F2	Panel A-A1J2	75 20	2462202	Cntl panel cd Cntl panel cd DC Distr cbl	A panel function couldn't be selected or the selected function could not be started (function display did not flash) when the Start Function key was pressed. Go to Control Panel Service Check 507. The FRUs listed are those called for in the Control Panel Service Check 507.
	DC Cbl	DC Cbl	5	2462219 2453107		
E051	Panel A-A1F2	Panel A-A1J2	80 15	2462202	Cntl panel cd Cntl panel cd DC Distr cbl DSA1 card	Lamp Test failed. Go to Control Panel Service Check 507. The FRUs listed are those called for in the Control Panel Service Check 507.
	DC Cbl	DC Cbl	4	2462219		
	A-A1D2	A-A1D2	1	2453107 2462201		

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E052	Panel A-A1F2 DC Cbl	Panel A-A1J2 DC Cbl	85 10 5	2462202 2462219 2453107	Cntl panel cd Cntl panel cd DC Distr cbl	The system functions normally with the keylock switch in the normal position, however, either a red light is on on the control panel or when the keylock switch is in the service position, the control panel does not function properly. Go to Control Panel Service Check 507. The FRUs listed are those called for in the Control Panel Service Check 507.
E080	A-A1G2	A-A1K2	99	2462203	CSP card	Unconditional branch failed.
E081	A-A1G2	A-A1K2	99	2462203	CSP card	Conditional branch failed
E082	A-A1G2	A-A1K2	99	2462203	CSP card	Branch and link failed.
E083	A-A1G2	A-A1K2	99	2462203	CSP card	Test mask instruction failed.
E084	A-A1G2	A-A1K2	99	2462203	CSP card	Hi/Lo work register selection failed.
E085	A-A1G2	A-A1K2	99	2462203	CSP card	CI instruction failed.
E086	A-A1G2	A-A1K2	99	2462203	CSP card	SI instruction failed.
E087	A-A1G2	A-A1K2	99	2462203	CSP card	One byte logical instruction failed.
E088	A-A1G2	A-A1K2	99	2462203	CSP card	One byte arithmetic instruction failed.
E089	A-A1G2	A-A1K2	99	2462203	CSP card	Two byte logical instruction failed.

E12

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E08A	A-A1G2	A-A1K2	99	2462203	CSP card	Two byte arithmetic instruction failed.
E08C	A-A1G2	A-A1K2	99	2462203	CSP card	Hex branch failed.
E08E	A-A1G2	A-A1K2	99	2462203	CSP card	Hex move failed.
E08F	A-A1G2	A-A1K2	99	2462203	CSP card	Initialization of low 32k of storage failed. Initialize CSP control store.
E090	A-A1G2	A-A1K2	99	2462203	CSP card	Storage test of high 32k of storage failed. Storage and ECC check bit read/write.
E091	A-A1G2	A-A1K2	99	2462203	CSP card	Write of low 32k of storage to high 32k of storage failed Storage and ECC check bit read/write.
E092	A-A1G2	A-A1K2	99	2462203	CSP card	Storage test of low 32k of storage failed. Storage and ECC check bit read/write.
E093	A-A1G2	A-A1K2	99	2462203	CSP card	Write of high 32k of storage to low 32k of storage failed. Storage and ECC check bit read/write.
E094	A-A1G2	A-A1K2	99	2462203	CSP card	Base plug displacement instruction failed or bar bit is wrong.
E095	A-A1G2	A-A1K2	99	2462203	CSP card	Read or write of word to or from storage failed.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E096	A-A1G2	A-A1K2	99	2462203	CSP card	Read or write of byte to or from storage, or bar bit is wrong.
E097	A-A1G2	A-A1K2	99	2462203	CSP card	Load from control store direct area failed.
E098	A-A1G2	A-A1K2	99	2462203	CSP card	Load or sense of channel register failed.
E099	A-A1G2 A-A1C2 A-A1D2 A-A1Q2 A-A1F2 A-A1S2 A-A1R2 A-A1T2 A-A1U2/ A-A1V2	A-A1K2 A-A1C2 A-A1D2 A-A1R2 A-A1H2 A-A1J2 A-A1S2 A-A1U2/ A-A1V2 A-A1G2	30 10 10 10 10 5 5 5 5 5 1	2462203 2462209 2462201 2462208 2462210 2462265 2462221 2462202 2462219 2462289 SEE CD 2462210 2462211 2462212 2462214 2462213 2462215 2462259	CSP card DSA2 card DSA1 card WS adptr cd WS ctrl cd DSC Ctlr cd DSC f-t cd Cntl panel cd Cntl panel cd LAN Adptr cd LAN f-t cd ELCA ctrl cd SLCA f-t cd CSEIA card CSDDA card CSX21 card CSV35 card DFCA Cntl cd	DBI or DBO bits are wrong value. Go to channel isolation procedure (MIM 155).

E14

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E09A	A-A1G2	A-A1K2	30	2462203	CSP card	TBI or ARS bits are wrong value. Go to channel isolation procedure (MIM 155).
	A-A1C2	A-A1C2	10	2462209	DSA2 card	
	A-A1D2	A-A1D2	10	2462201	DSA1 card	
	A-A1Q2	A-A1R2	10	2462208	WS adptr cd	
				2462210	WS ctrl cd	
		A-A1H2	10	2462265	DSC Ctlr cd	
				2462221	DSC f-t cd	
	A-A1F2		5	2462202	Cntl panel cd	
		A-A1J2		2462219	Cntl panel cd	
	A-A1S2	A-A1S2	5	2462289	LAN Adptr cd	
	A-A1R2		5	SEE CD	LAN f-t cd	
	A-A1T2	A-A1T2	5	2462210	ELCA ctrl cd	
	A-A1U2/	A-A1U2/	5	2462211	SLCA f-t cd	
				2462212	CSEIA card	
			2462214	CSDDA card		
			2462213	CSX21 card		
			2462215	CSV35 card		
	A-A1V2	A-A1V2				
		A-A1G2	1	2462259	DFCA Cntl cd	
E09C	A-A1G2	A-A1K2	99	2462203	CSP card	Software set machine check interrupt failed.
E09E	A-A1G2	A-A1K2	99	2462203	CSP card	Disable checks failed.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E09F	A-A1G2	A-A1K2	30	2462203	CSP card	Force MC interrupt through dev addr which is not valid failed or enable checks failed. Go to Channel Isolation procedure (MIM 155).
	A-A1C2	A-A1C2	10	2462209	DSA2 card	
	A-A1D2	A-A1D2	10	2462201	DSA1 card	
	A-A1Q2	A-A1R2	10	2462208	WS adptr cd	
				2462210	WS ctrl cd	
				2462265	DSC Ctlr cd	
	A-A1F2	A-A1H2	5	2462221	DSC f-t cd	
				2462202	Cntl panel cd	
				2462219	Cntl panel cd	
	A-A1S2	A-A1J2	5	2462289	LAN Adptr cd	
	A-A1T2	A-A1S2	5	2462210	ELCA ctrl cd	
				2462211	SLCA f-t cd	
	A-A1U2/	A-A1U2/	5	2462212	CSEIA card	
2462214				CSDDA card		
2462213				CSX21 card		
2462215				CSV35 card		
A-A1V2	A-A1V2	1	2462259	DFCA Cntl cd		
A-A1G2	A-A1G2					
E0A0	A-A1G2	A-A1K2	99	2462203	CSP card	Force MC interrupt LSR parity check failed.
E0A1	A-A1G2	A-A1K2	99	2462203	CSP card	Force MC interrupt through storage parity check failed.

E16

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E0A2	A-A1G2 A-A1C2 A-A1D2 A-A1Q2 A-A1F2 A-A1S2 A-A1R2 A-A1T2 A-A1U2/ A-A1V2	A-A1K2 A-A1C2 A-A1D2 A-A1R2 A-A1H2 A-A1J2 A-A1S2 A-A1T2 A-A1U2/ A-A1V2 A-A1G2	40 10 10 10 10 5 5 5 5 5 1	2462203 2462209 2462201 2462208 2462210 2462265 2462221 2462202 2462219 2462289 SEE CD 2462210 2462211 2462212 2462214 2462213 2462215 2462259	CSP card DSA2 card DSA1 card WS adptr cd WS ctrl cd DSC Ctlr cd DSC f-t cd Cntl panel cd Cntl panel cd LAN Adptr cd LAN f-t cd ELCA ctrl cd SLCA f-t cd CSEIA card CSDDA card CSX21 card CSV35 card DFCA Cntl cd	Waiting extraneout interrupt. Go to channel isolation procedure (MIM 155).
E0A3	A-A1G2	A-A1K2	99	2462203	CSP card	Interrupt level 5 structure test failed.
E0A4	A-A1G2	A-A1K2	99	2462203	CSP card	Disable interrupts failed
E0A5	A-A1G2	A-A1K2	99	2462203	CSP card	One of interrupt level 1 through 4 failed.
E0A6	A-A1G2	A-A1K2	99	2462203	CSP card	Load/sense of run control byte failed.
E0A7	A-A1G2	A-A1K2	99	2462203	CSP card	Load/sense of LSR failed.
E0A8	A-A1G2	A-A1K2	99	2462203	CSP card	CSP test complete, channel problem.

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E390						An unexpected failure occurred before or during the disk CSIPL load of MSP diagnostics. Customization may be wrong. Reload microcode (MIM 324). If that doesn't fix the problem, run problem determination procedures. (MIM 802, 105)
E391	A-A1B2 A-A1C2/ A-A1D2 F-A1A2 F-B1A3 A-A1YJ F-DE	A-A1B2 A-A1C2/ A-A1D2 F-A1A2 F-B1A3 A-A1YJ F-DE	40 30 10 5 5 2	2462200 2462209 2462201 1616312 1616312 4044272 1616324 2453100 1616699 1616119	Disk A adptr DSA2 card DSA1 card 30MB Dgl card 60MB Dgl card 30MB Alg card 60MB Alg card Signal cable A2 (30MB HDA) A3 (60MB HDA)	-- Disk Loader -- Severe hardware error. (control store load of MSP diagnostics) Ensure cable A-A1YJ is properly seated. Run disk problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E392	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ	70 25 5	2462209 2462201 2462200 2453100	DSA2 card DSA1 card Disk A adptr Signal cable	-- Disk Loader -- DSA error. Ensure cable A-A1YJ is properly seated. (control store load of MSP diagnostics) Ensure cable A-A1YJ is properly seated. Run customer problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)
E393	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ A-A1A2	A-A1C2/ A-A1D2 A-A1B2 A-A1YJ A-A1A2	45 35 5 5	2462209 2462201 2462200 2453100 2462200	DSA2 card DSA1 card Disk A adptr Signal cable Disk B adptr	-- Disk Loader -- Interrupt timeout. (control store load of MSP diagnostics) Ensure cable A-A1YJ is properly seated. Run customer problem determination procedures before replacing FRUs. If A-A1C2 FRU is not installed, replace A-A1D2. (MIM 802, 105)

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E394	A-A1B2 A-A1YJ	A-A1B2 A-A1YJ	75 15	2462200 2453100	Disk A adptr Signal cable	-- Disk Loader -- ECC error. Ensure cable A-A1YJ is properly seated. (control store load of MSP diagnostics) Media or Data problem. Run pack analysis- follow recommended actions (MIM 332, 338). If that doesn't fix the problem, reload microcode If that doesn't fix the problem, run problem determination procedures before replacing FRUs. (MIM 802, 105)
E395	A-A1B2 A-A1YJ F-A1A2 F-DE	A-A1B2 A-A1YJ F-A1A2 F-DE	75 15 1 1	2462200 2453100 1616312 1616312 1616699 1616119	Disk A adptr Signal cable 30MB Dgl card 60MB Dgl card A2 (30MB HDA) A3 (60MB HDA)	-- Disk Loader -- NRF error. Ensure cable A-A1YJ is properly seated. (control store load of MSP diagnostics) Run pack analysis- follow recommended actions (MIM 332, 338). If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 105)

A2

SRC	FRU MOD A	FRU MOD B/C	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E396						-- Disk Loader -- Completed control store load of MSP diagnostics w/o detected error. Indicates failure in execution of code from load. Customization may be wrong. Reload microcode (MIM 324). If that doesn't fix the problem, run disk problem determination procedures before replacing FRUs. (MIM 802, 105)
F000						The diskette inserted is not a CSIPL diskette.
F090	A-A1C2 A-A1D2 Diskete	A-A1C2 A-A1D2 Diskete	49 49 2	2462209 2462201	DSA2 card DSA1 card	This code indicates that an error occurred while running the diskette bootstrap loader.

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