



SY31-9055-4

**IBM System/36  
5363 System Unit  
System Reference Codes (SRC)**



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**Fifth Edition (September 1989)**

This major revision makes obsolete SY31-9055-3.

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## 5363 System Reference Code (SRC)

– Use the table below to determine the approximate location of your SRC.

**System Reference Code Table**

<b>SRC</b>	<b>Device</b>	<b>Page</b>
0000	Program	3
1600	CSP	39
1700	53 Mb Tape Drive	50
1800	Communications	56
1900	Disk	61
1C00	Work station	76
1d00	Diskette	77
2700	120 Mb Tape Drive	94
3200	Memory	103

## How to Use the System Reference Code (SRC)

- The customer is directed by the problem determination (PD) procedures to gather information, record, and report the 4-character SRC when placing a call for service.
- Determine what level system you have:
  - Level 0 systems are identified by logo plates on the front and back of the machine which have a smooth surface and the characters “IBM 5363.”
  - Level I systems are identified by logo plates on the front and back of the machine which have raised letters and the characters “IBM 5363 I.”
  - Level II systems are identified by logo plates on the front and back of the machine which have raised letters and the characters “IBM 5363 II.”
  - Level III systems are identified by logo plates on the front and back of the machine which have raised letters and the characters “IBM 5363 III” or “IBM Application System/Entry 5363 III.”
  - Level IV systems are identified by logo plates on the front and back of the machine which have raised letters and the characters “IBM 5363 IV” or “IBM Application System/Entry 5363 IV.”
- 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.
- If no SRC is reported, the service representative should contact the customer and determine if information is available to create an SRC.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0000	Program				With program check on--- Storage dump has been requested.
0001	Program				With program check on--- Module ID not found in control storage library.
0002	Program				With program check on--- Attempt to relocate a module that has no RLDs.
0003	Program				With program check on--- Control storage module link, load address unequal.
0004	Program				With program check on--- Dump requested by pressing stop key.
0005	Program				With program check on--- Quiesce counter has negative value.
0006	Program				With program check on--- Privileged operation issued in nonprivileged mode.
0007	Program				With program check on--- Register stack underflow or overflow.
0008	Program				With program check on--- Address translation error logging communication line data.
0009	Program				With program check on--- Address translation error relocating MS module.
0010	Program				With program check on--- Invalid disk IOB parameters.
0011	Program				With program check on--- Permanent disk read error
0012	Program				With program check on--- Dump requested because of hardware error.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
0013	Program				With program check on--- Main storage program exception. Intermittent hardware errors can cause this failure. See procedure 120 in the MIM. If this SRC persists dur- ing the intermittent failure analysis replace following FRU's until the problem is solved: 1. A1J2 MSP Data flow; 2. A1H2 MS control; and 3. B1-G Main Storage Card.
0014	Program				With program check on--- Invalid main storage address access by MSP.
0015	Program				With program check on--- Invalid main storage operation code. SSP missing or incorrect diskette. Intermittent hardware errors can cause this failure. See procedure 120 in the MIM. If this SRC persists during the intermittent failure analysis, replace the following FRU's until the problem is solved: 1. B1-G Main Storage card; 2.A1J2 MSP Data flow; and 3.A1H2 MSP control.
0016	Program				With program check on--- Storage dump has been requested.
0017	Program				With program check on--- Address translation error during load SVC.
0018	Program				With program check on--- Error stack overflow.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0020	Program				With program check on--- Invalid timer queue element. Intermittent hardware errors can cause this failure. See procedure 120 in the MIM.
0021	Program				With program check on--- Address translation error on \$TRB parameter list.
0022	Program				With program check on--- Invalid system date flag found in syscom.
0023	Program				With program check on--- Nonprivileged program issued timer load request
0024	Program				With program check on--- Invalid type specified with timer request.
0025	Program				With program check on--- Nonprivileged pgm issued multiple-wait timer req.
0026	Program				With program check on--- Invalid ITYPE specified with timer request.
0027	Program				With program check on--- Negative time value specified with timer request.
0028	Program				With program check on--- Invalid inline parameter specified with timer request.
0029	Program				With program check on--- Invalid timer ID from \$SIT or \$RIT.
0030	Program				With program check on--- Disk error during translated assign recovery See section on disk procedures in the MIM.
0031	Program				With program check on--- Permanent diskette error during IPL from diskette.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0032	Program				With program check on--- Address translation error moving main storage program.
0033	Program				With program check on--- Disk error--unrecoverable disk operation. See procedure 121 in the MIM.
0034	Program				With program check on--- Disk error--unrecoverable hardware error. See procedure 121 in the MIM.
0035	Program				With program check on--- Disk error--unrecoverable or invalid sector. See procedure 121 in the MIM.
0036	Program				With program check on--- Disk error--no alternative sectors available. See procedure 121 in the MIM.
0037	Program				With program check on--- Error TB address is invalid. See procedure 121 in the MIM.
0038	Program				With program check on--- Disk error--data accessed may be invalid. See procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0040	Hardwar Program				Data set ready line inactive. --- or --- With program check on--- Go to a relocatable CS module that is not loaded. Intermittent hardware errors can cause this failure. See procedure 120 Intermittent Failures in the MIM. Interrupt level 2 occurred from an unknown device. Replace the following FRUs until the problem is solved. 1. A1G2 CSP Card 2. A1D2 Data Storage Adapter. For Level (II,IV) 3. A1B2 Data Storage Adapter.
0041	Hardwar Program				Idle detected. --- or --- With program check on--- System is in a wait or infinite loop.
0042	Hardwar Program				With program check on--- Invalid ID in LAN Comm IO
0043	Hardwar Program				With program check on--- Invalid SNA opcode in LAN Comm IOB. (switched only).
0044	Hardwar Program				30 second time out (switched only). --- or --- With program check on--- Program is larger than main storage user area.
0045	Program				With program check on--- Task already in abnormal termination.





SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0062	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Counts the underrun conditions found by the communications line adapter. --- or --- With program check on--- Invalid device IOB parameter.
0063	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Counts the overrun conditions found by the communications line adapter. --- or --- With program check on--- Device IOB address must be a real address.
0064	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Counts the loss of the "receive line signal detect" signal during a receive operation. --- or --- With program check on--- ATR load error on device IOB data buffer address.
0065	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Counts the loss of the "clear to send" line during a transmit operation. --- or --- With program check on--- ATR load error on logging device data.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0066	Remote WS Cntl				Appears in ERAP table for remote work station controller. ----- Counts the loss of the "data set ready" line during a transmit or receive operation.
0067	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Counts the loss of the "reject" commands sent by the work station controller. --- or --- With program check on--- Disk error during device controller load.
0068	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Counts the frame or groups of frames that must be transmitted again by the work station controller to the host system because the host system did not receive them correctly. --- or --- With program check on--- Program exceeds MAPMAX value.
0069	Remote WS Cntl  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 failure

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
006A	Remote WS Cntl				Appears in ERAP table for remote work station controller. ----- Counts the number of times an abort is received by the work station controller.
006b	Remote WS Cntl				Appears in ERAP table for remote work station controller.
006C	Remote WS Cntl				Appears in ERAP table for remote work station controller. ----- Counts the number of times the T1 counter expires.
006d	Remote WS Cntl				Appears in ERAP table for remote work station controller.
006E	Remote WS Cntl				Appears in ERAP table for remote work station controller. ----- Counts the number of information frames transmitted.
006F	Remote WS Cntl				Appears in ERAP table for remote work station controller. ----- Counts the number of valid information frames received.
0070	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Remote cluster feature hardware error. --- or --- With program check on-- Invalid diskette sector address.
0071	Program				With program check on-- Invalid emulation address

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0072	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Remote cluster feature overrun. --- or --- With program check on-- Invalid read DSC storage IOB parameter.
0073	Remote WS Cntl				Appears in ERAP table for remote work station controller. ----- Remote cluster feature write error.
0075	Program				With program check on-- Disk error--no disk recovery block found. See procedure 121 in the MIM.
0076	Program				Invalid diskette data compression SVC.
0077	Program				Invalid control character - Decompress.
0078	Program				Disk error during data compression.
0079	Program				With program check on-- Invalid SVC requested.
0080	Program				With program check on-- Invalid translated IOB-- not mapped or permitted.
0081	Program				With program check on-- Invalid translated buffer not aligned or not mapped Intermittent hardware errors can cause this failure. See procedure 120 in MIM. If this SRC persists during the intermittent Failure analysis replace the following FRUs until the problem is solved: 1. B1-G Main Storage card; 2. A1J2 MSP Data Flow; and 3.A1G2 CSP.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0082	Program				With program check on-- Invalid translated parameter list--not mapped
0083	Program				With program check on-- SVC map parameter list is in error. Intermittent hardware errors can cause this failure. See procedure 120 in the MIM.
0084	Program				With program check on-- Zero quick-lock address passed.
0085	Program				With program check on-- Communication IOB has invalid header length.
0086	Program				With program check on-- Invalid post of communication ERB.
0087	Program				With program check on-- Invalid XASGN request.
0088	Program				With program check on-- Invalid XFREE request.
0089	Program				With program check on-- CSP main storage program exception.
0090	Program				With program check on-- CSP main storage program exception. Intermittent hardware errors can cause this failure. See procedure 120 in the MIM. If this SRC persists during the Intermittent Failure Analysis replace the following FRUs until the problem is solved. 1.B1-G Main Storage Card; 2 A1J2 MSP Data Flow; and 3 A1H2 MSP Control.
0092	Program				With program check on-- I/O buffer is aligned on an odd byte boundary.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0093	Program				With program check on-- Invalid control storage address.
0094	Program				With program check on-- Control storage program timed out while looping. Intermittent hardware errors can cause this failure. See procedure 120 in the MIM. If this SRC persists during the Intermittent Failure Analysis replace the following FRUs until the problem is solved. 1. A1C2 Disk Adapter Card 2. A1D2 Data Storage Adapter; and 3. A1G2 CSP. For LEVEL (II,IV) 4. A1A2 Disk Adapter Card 5. A1B2 Data Storage Adapter; 6. A1E2
0095	Program				With program check on-- Invalid branch taken by a control storage program.
0096	Program				With program check on-- Invalid power off command
0097	Program				With program check on-- Invalid TWA deallocate request.
0098	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Not defined remote hardware error. --- or --- With program check on-- Insufficient task work area reserved.
0100	Display WS cbl A1F2  A1E2	50 25 10  10	----- 92X3221 92X7255 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station display is not responding within 127 microseconds.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
0101	A1F2	50	92X3221 92X7255	WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system	The Twinax driver/receiver is failing. --- or --- With program check on-- Device unit block has an invalid device ID.	
	WS cbl	30	-----			
	Display	10				
	A1E2	9	92X3296 92X3295	WS Controller feature WS Pass Through		
0102	Program				With program check on-- \$NUPD was called for a not supported function.	
0103	Noise	60		Twinax/IBM cbl system	The work station attachment detected a parity error.	
	WS cbl	20	-----			
	Display	7				
	A1F2	3	92X3221 92X7255			WS/Panel Cd. WS/Panel Cd. (II,IV)
A1E2	3	92X3296 92X3295	WS Controller feature WS Pass Through			
0104	Noise	60		Twinax/IBM cbl system	The twinax display detected a parity error	
	WS cbl	20	-----			
	Display	7				
	A1F2	3	92X3221 92X7255			WS/Panel Cd. WS/Panel Cd. (II,IV)
A1E2	3	92X3296 92X3295	WS Controller feature WS Pass Through			
0105	Remote WS Cntl				Appears in ERAP table for remote work station controller. ----- Work station not accessible. --- or --- With program check on-- POSTI failure of a task.	
	Program					
0106	WS cbl	70		Twinax/IBM cbl system	The work station attachment detected a byte count error. --- or ---  With program check on-- TWA SVC cannot honor WS get/put request.	
	Display	10	-----			
	A1F2	10	92X3221 92X7255			WS/Panel Cd. WS/Panel Cd. (II,IV)
	A1E2	3	92X3296 92X3295			WS Controller feature WS Pass Through
Program						

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0107	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- Wrong work station responded. --- or --- With program check on-- Invalid TWA deallocate request.
0108	Display A1F2  A1E2  Program	85 5 3	92X3221 92X7255 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station display reset at the wrong time. --- or ---  With program check on-- TWA base ID does not exist
0109	Noise Display A1F2  WS cbl A1E2  Program	40 30 10 5 2	92X3221 92X7255 ----- 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system WS Controller feature WS Pass Through	The work station display failed to respond to a command. --- or --- With program check on-- Invalid task work area operation.
0110	Program				With program check on-- WRK SVC parameter list is in error.
0111	Display WS cbl A1F2  B1-G   A1E2  Program	75 7 5 3  2	----- 92X3221 92X7255 92X3222 21F4225 92X7231 21F4226 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) MS Card 1MB MS Card 1MB (III,IV) MS Card 2MB MS Card 2MB (III,IV) WS Controller feature WS Pass Through	Invalid scan code for work station display. --- or --- With program check on-- Active map count underflow
0112	Program				With program check on-- CSP accessed an invalid main storage address. Intermittent hardware errors can cause this failure. See procedure 120 intermittent failures in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0113	Program				With program check on-- I/O operation issued to active IOB.
0120	Noise Display A1F2  WS cbl B1-G  A1E2	40 20 10  10 5  4	  92X3221 92X7255 ----- 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The command sent to the work station display was not a valid command.
0121	Noise Display A1F2  WS cbl B1-G  A1E2	40 20 10  10 5  4	  92X3221 92X7255 ----- 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The address counter value. sent to the work station display was too large.
0122	A1F2  B1-G  Display WS cbl A1E2	35  20  5 5 4	92X3221 92X7255 92X3222 21F4225 92X7231 21F4226  ----- 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) MS Card 1MB MS Card 1MB (III,IV) MS Card 2MB MS Card 2MB (III,IV)  Twinax/IBM cbl system WS Controller feature WS Pass Through	The amount of command bytes sent to the display was too large.
0123	Noise Display A1F2  WS cbl B1-G  A1E2	40 20 10  10 5  4	  92X3221 92X7255 ----- 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The address counter value sent to the work station display was not a valid value.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0124	Noise Display A1F2  WS cbl B1-G  A1E2	30 20 20  10 5  4	  92X3221 92X7255 ----- 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	  WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The activate command sent to the work station display was not valid.
0125	Display WS cbl A1F2  B1-G  A1E2	45 20 10  10  4	  ----- 92X3221 92X7255 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	  Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	Work station error status was not valid.
0127	Display A1F2  WS cbl B1-G  A1E2	45 20 10 10  4	  92X3221 92X7255 ----- 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	  WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The address counter value sent to an IGC work station display in extended character mode.
0149	A1F2	50	92X3221 92X7255	WS/Panel Cd. WS/Panel Cd. (II,IV)	The work station attachment has reported an error, but the error status is not valid.
0181	Hardwar				Magnetic stripe reader error.
0182	Hardwar				Device Type error.
0183	Hardwar				Wrong size display assemble
0184	Hardwar				Wrong keyboard ID.
0185	Hardwar				Wrong keyboard specified.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0186	Display WS cbl A1F2  B1-G  A1E2	70 15 5  3  2	----- 92X3221 92X7255 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The work station display indicated a magnetic stripe reader operation occurred when no reader was installed.
0189	Display WS cbl A1F2  B1-G  A1E2	60 10 5  5  5	----- 92X3221 92X7255 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The work station display indicated a magnetic stripe reader operation occurred even though no data had been sent.  data had been sent.
0190	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	99			The work station display cannot complete a command in 460 milliseconds. Indicates a work station display failure.
0200	Printer WS cbl A1F2  A1E2	60 20 10  3	----- 92X3221 92X7255 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station printer is not responding within 127 microseconds.
0201	A1F2  WS cbl Printer A1E2	60  20 10 5	92X3221 92X7255 ----- 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system  WS Controller feature WS Pass Through	The Twinax driver/receiver is failing.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0203	Noise WS cbl Printer A1F2 A1E2	60 20 7 5 5	----- 92X3221 92X7255 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station attachment detected a parity error.
0204	Noise WS cbl Printer A1F2 A1E2	50 20 7 5 5	----- 92X3221 92X7255 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station printer detected a parity error
0205	Remote WS Printer				Appears in ERAP table for remote work station controller. ----- Work station printer not accessible.
0206	WS cbl Printer A1F2 A1E2	60 10 10 5	----- 92X3221 92X7255 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station attachment detected a byte count error.
0208	Printer A1F2 A1E2	80 5 4	92X3221 92X7255 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station printer reset at the wrong time.
0209	Noise Printer A1F2 WS cbl A1E2 Program	30 25 20 10 4	92X3221 92X7255 ----- 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system WS Controller feature WS Pass Through	The work station printer failed to respond to a command.
0211	Hardwar	99			Machine check - 5219/3812/ 5224/5225 work station printers. --- or --- With program check on-- Device ID in IOB on return from DSC not valid.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0212	Hardwar	99			Machine check - 5219/3812/ work station printers --- or --- With program check on-- SIO logged IOB not valid.
0214	Program	99			Machine check - 5219/3812/
0220	Noise Printer A1F2  WS cbl B1-G  A1E2	30 20 20  10 5  4	 92X3221 92X7255  ----- 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The command sent to the work station printer was not a valid command.
0221	Printer WS cbl A1F2  B1-G  A1E2	40 20 10  10  3	 ----- 92X3221 92X7255 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The work station printer has reported an error but the exception status is invalid.
0222	A1F2  B1-G  Printer WS cbl A1E2	35  30  15 10 4	92X3221 92X7255 92X3222 92X7231 21F4225 21F4226  ----- 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)  Twinax/IBM cbl system WS Controller feature WS Pass Through	The number of command was too large.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0223	Noise Printer A1F2  WS cbl B1-G  A1E2	35 25 10  10 4  4	  92X3221 92X7255 ----- 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	  WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The work station printer did not respond to an activate command and did not report a parity error
0224	Noise Printer A1F2  WS cbl B1-G  A1E2	30 25 10  10 5  4	  92X3221 92X7255 ----- 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	  WS/Panel Cd. WS/Panel Cd. (II,IV) Twinax/IBM cbl system MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	The activate command sent to the work station printer was not valid.
0225	Printer WS cbl A1F2  B1-G  A1E2	45 20 10  5  4	  ----- 92X3221 92X7255 92X3222 92X7231 21F4225 21F4226 92X3296 92X3295	  Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS Controller feature WS Pass Through	Work station printer has reported an error with undefined exception status
0226	Printer	99			The work station printer has reported a not printable character. See the work station printer manual.
0228	Printer	99			Invalid printer data stream command. See the work station printer manual.
0229	Printer	99			Invalid printer data stream parameter. See the work station printer manual.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0230	Printer	99			Printer mechanism not ready. See the work station printer manual.
0231	Printer	99			Print check. See the work station printer manual.
0232	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	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	99			The work station printer has reported a unit error See the work station printer manual.
0235	Printer  Program	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 exit routine.
0236	Printer	99			Print check. See the work station printer manual.
0237	Printer	99			Print check. See the work station printer manual.
0238	Printer	99			Print check. See the work station printer manual.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
0239	Printer  Program	99			The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- Invalid SSP.
0240	Printer  Program	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.
0241	Printer  Program	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.
0242	Printer  Program	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.
0243	Printer  Program	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.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0244	Printer  Program	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.
0245	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	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	Printer WS cbl A1F2  A1E2  Program	75 10 10  4	----- 92X3221 92X7255 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- IBM module has invalid WT table or format index table.
0248	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	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0249	Printer WS cbl A1F2  A1E2  Program	80 5 5 4	----- 92X3221 92X7255 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station printer has error status not defined. See the work station printer manual. --- or --- With program check on-- Required SSP module not found during MSIPL.
0250	Printer  Program	99			Forms jam or end of forms See the work station printer manual. --- or --- With program check on-- Format-5 extents partially free during file delete.
0251	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				With program check on-- An AFA Format 1 has an invalid file type.
0253	Program				With program check on-- Unexpected return code from diskette VTOC R/W.
0254	Program				With program check on-- Unexpected return code from disk VTOC access.
0255	Printer				Shared printer busy.
0258	Printer	99			End of ribbon. See the work station printer manual.
0266	Printer	99			The work station printer (5219) has a data stream error. See the work station printer manual.
0267	Printer	99			The work station printer (5219/3812) has a data stream error. See the work station printer manual.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
0268	Printer	99			The work station printer (5219/3812) has a data stream error. See the work station printer manual.
0269	Printer	99			The work station printer (5219/3812) has a data stream error. See the work station printer manual.
0281	Printer	99			The work station printer has a cover check or machine check. See the work station printer manual.
0283	Printer	99			The work station printer has a print check. See the work station printer manual.
0284	Printer	99			The work station printer has a print check. See the work station printer manual.
0285	Printer	99			The work station printer has a printer check. See the work station printer manual.
0286	Printer	99			The work station printer has a machine check. See the work station printer manual.
0287	Printer	99			The work station printer has a machine check. See the work station printer manual.
0288	Printer	99			The work station printer has a ribbon jam. See the work station printer manual.
0289	Printer	99			The work station printer has a ribbon jam. See the work station printer manual.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0290	Printer	99			The work station printer has not changed the even/odd time out bit in 8 seconds indicating a work station printer error. See the work station printer manual.
0291	Printer	99			The work station printer has not completed a command within 8 seconds indicating a work station printer error. See work station printer manual.
0bxx	A1J2 A1H2	50 50	92X3291 92X3292	MSP data flow card MSP control card	MSP error.
1111					Hardware default code. Error condition was not evaluated. ReIPL to obtain a refined SRC. If system completes IPL, look in ERAP for SRCs at the time of ReIPL. Intermittent hardware errors can cause this failure. See procedure 120 in the MIM. If this SRC persists during Intermittent Failure Analysis replace the following FRUs until the problem is solved: 1. A1G2 CSP; 2. A1J2 MSP Data Flow; 3. B1-G Main Storage Card; 4. A1F2 WSA/Panel; 5. A1H2 MSP Control; 6. A1E2 W/S Controller feature; 7. A1D2 Data Storage Adapter; 8. A1C2 Disk Adapter Card. ----- 5363 II,IV ----- 9. A1B2 Data Storage Adapter(II,IV); 10. A1A2 Disk Adapter (II,IV)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1200	B1-G  A1J2 A1-BD	94  4 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Main Storage Error encountered.
1201	B1-G  A1J2 A1-BD	94  4 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Main Storage Error encountered.
1202	B1-G  A1J2 A1-BD	94  4 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Main Storage Error encountered.
120C	B1-G  A1J2 A1-BD	94  4 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Main Storage Error encountered.
120d	A1J2 A1H2	96 3	92X3291 92X3292	MSP data flow card MSP control card	Unexpected CSP Machine Check Interrupt identified as MSP error.
120E	A1J2 A1H2	97 2	92X3291 92X3292	MSP data flow card MSP control card	Main Store Processor Error
1210	A1J2 B1-G  A1H2 A1-BD	87 10  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
1211	A1J2 B1-G  A1H2 A1-BD	87 10  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1212	A1J2 B1-G  A1H2 A1-BD	87 10  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
121C	A1J2 B1-G  A1H2 A1-BD	87 10  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
121d	A1H2 A1J2	98 1	92X3292 92X3291	MSP control card MSP data flow card	Unexpected CSP Machine Check Interrupt identified as MSP Error.
121E	A1H2 A1J2	98 1	92X3292 92X3291	MSP control card MSP data flow card	Main Store Processor Error
1220	A1J2 B1-G  A1H2 A1-BD	86 11  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
1221	A1J2 B1-G  A1H2 A1-BD	86 11  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
1222	A1J2 B1-G  A1H2 A1-BD	86 11  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
122C	A1J2 B1-G  A1H2 A1-BD	86 11  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
122d	A1J2	99	92X3291	MSP data flow card	Unexpected CSP Machine Check Interrupt identified as MSP Error.
122E	A1J2	99	92X3291	MSP data flow card	Main Store Processor Error
1230	A1J2 B1-G  A1H2 A1-BD	88 8  2 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
1231	A1J2 B1-G  A1H2 A1-BD	88 8  2 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
1232	A1J2 B1-G  A1H2 A1-BD	88 8  2 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
123C	A1J2 B1-G  A1H2 A1-BD	88 8  2 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
123d	A1H2 A1J2	98 1	92X3292 92X3291	MSP control card MSP data flow card	Unexpected CSP Machine Check Interrupt identified as MSP error.
123E	A1H2 A1J2	97 2	92X3292 92X3291	MSP control card MSP data flow card	Main Store Processor Error
1240	A1J2 B1-G  A1H2 A1-BD	74 24  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1241	A1J2 B1-G  A1H2 A1-BD	74 24  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
1242	A1J2 B1-G  A1H2 A1-BD	74 24  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
124C	A1J2 B1-G  A1H2 A1-BD	74 24  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
124d	A1H2	99	92X3292	MSP control card	Unexpected CSP Machine Check Interrupt Identified as MSP Error.
124E	A1H2	99	92X3292	MSP control card	Main Store Processor Error
1250	A1J2 B1-G  A1H2 A1-BD	68 29  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
1251	A1J2 B1-G  A1H2 A1-BD	68 29  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
1252	A1J2 B1-G  A1H2 A1-BD	68 29  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
125C	A1J2 B1-G  A1H2 A1-BD	68 29  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
125E	A1H2	99	92X3292	MSP control card	Main Store Processor Error
1260	A1J2 A1H2 B1-G  A1-BD	80 10 8  1	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Main Store Processor Error
1261	A1J2 A1H2 B1-G  A1-BD	80 10 8  1	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Main Store Processor Error
1262	A1J2 A1H2 B1-G  A1-BD	80 10 8  1	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Main Store Processor Error
126C	A1J2 A1H2 B1-G  A1-BD	80 10 8  1	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Main Store Processor Error
126E	A1H2	99	92X3292	MSP control card	Main Store Processor Error
1270	B1-G  A1J2 A1H2 A1-BD	65  19 14 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Run Time Main Storage Error.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1271	B1-G  A1J2 A1H2 A1-BD	65  19 14 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Run Time Main Storage Error.
1272	B1-G  A1J2 A1H2 A1-BD	65  19 14 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Main Store Processor Error
127C	B1-G  A1J2 A1H2 A1-BD	65  19 14 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Run Time Main Storage Error.
127d	A1J2 A1H2	92 7	92X3291 92X3292	MSP data flow card MSP control card	Main Store Processor Error
1280	B1-G  A1J2 A1-BD	97  1 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Run Time Main Storage Error.
1281	B1-G  A1J2 A1-BD	97  1 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Run Time Main Storage Error.
1282	B1-G  A1J2 A1-BD	97  1 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Run Time Main Storage Error.
128C	B1-G  A1J2 A1-BD	97  1 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Run Time Main Storage Error

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
12d0	A1J2 B1-G  A1H2 A1-BD	51 46  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Control Store Processor detected a Main Storage Error.
12d1	A1J2 B1-G  A1H2 A1-BD	51 46  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Control Store Processor detected a Main Storage Error.
12d2	A1J2 B1-G  A1H2 A1-BD	51 46  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
12dC	A1J2 B1-G  A1H2 A1-BD	51 46  1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Main Store Processor Error
12E0	B1-G  A1J2 A1H2 A1-BD	62  19 17 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Control Store Processor detected a Main Storage Error.
12E1	B1-G  A1J2 A1H2 A1-BD	62  19 17 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Control Store Processor detected a Main Storage Error.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
12E2	B1-G  A1J2 A1H2 A1-BD	62  19 17 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Control Store Processor received a Machine Check Interrupt on a Main Store access.
12EC	B1-G  A1J2 A1H2 A1-BD	62  19 17 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Control Store Processor received a Machine Check Interrupt on a Main Store access.
12F0	B1-G  A1J2 A1-BD	96  2 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Control Store Processor detected a Main Storage Error.
12F1	B1-G  A1J2 A1-BD	96  2 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Control Store Processor detected a Main Storage Error.
12F2	B1-G  A1J2 A1-BD	96  2 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Control Store Processor received a Machine Check Interrupt on a Main Store Access.
12FC	B1-G  A1J2 A1-BD	96  2 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	Control Store Processor received a Machine Check Interrupt on a Main Store Access.
12FE	A1H2 A1J2 B1-G  A1-BD	50 40 5  1	92X3292 92X3291 92X3222 92X7231 21F4225 21F4226 92X7243	MSP control card MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	MSP/MS error occurred, but could not be logged.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
12FF	A1H2 A1J2 B1-G  A1-BD	50 40 5  1	92X3292 92X3291 92X3222 92X7231 21F4225 21F4226 92X7243	MSP control card MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Unexpected error.
1404	Program				ATIOP attachment program could not access a timer. Replace DSKT 61 & DSKT 6 and re-customize. Re-ipl with wraps. If problem persists call PSR with SRC and MIC code contained MS address: 10023-24. Run APAR to collect data.
1408	Program B1-G  B1-BD B1-A	85  5 5	92X3222 92X7231 21F4225 21F4226 92X7240 92X7359	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature board Feature IOP	ATIOP attachment program failure. The cause may be a hardware problem. Replace DSKT 61, DSKT 62, & recustomize. ReIPL with wraps. If problem persists call PSR with SRC and MIC code contained MS address: 10023-24. Run APAR to collect data.
1411	Program				ATIOP attachment program failed. @COMMGR may be missing or bad. Replace DSKT 62 and recustomize. Run APAR to collect data.
1413	Program				ATIOP attachment program failed. @TAPEMGR may be missing or bad. Replace DSKT 62 and re-customize.
1414	Program B1-G  A1-BD B1-A B1-BD	85  5 5 2	92X3222 92X7231 21F4225 21F4226 92X7243 92X7359 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board Feature IOP Feature board	Invalid SPC modifier. The cause may be a hardware problem. ReIPL with wraps. If problem persists take a dump and call PSR. Run APAR to collect data.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1441	B1-A B1-G  B1-CD/s Featpwr	30 30  30	92X7359 92X3222 21F4225  1035395	Feature IOP MS Card 1MB MS Card 1MB (III,IV)  Feature Power Supply	80286 Exception Error.
1442	B1-A B1-CD/S	40 40	92X7359 xxxxxxx	Feature IOP Feature Card/s	Invalid BIOS request. Refer to Feature Isolation Procedure 156
1443	B1-G  B1-CD/S A1G2 B1-A B1-BD B1-D2	55  20 15 50 2 1	92X3222 21F4225 xxxxxxx 92X3293 92X7359 92X7240	MS Card 1MB MS Card 1MB (III,IV) Feature Card/s CSP card Feature IOP Feature board	Shared Storage Card diagnostic error. Refer to Feature Isolation Procedure 156
1444	B1-A B1-CD/S Featpwr	40 30 10	92X7359 xxxxxxx 1035395	Feature IOP Feature Card/s Feature Power Supply	Interrupt Table Overrun. Refer to Feature Isolation Procedure 156
1602	A1G2 A1D2	48 48	92X3293 92X3294	CSP card Data Storage Adapter	Channel error.
1603	A1G2 A1D2 - > > > > - A1G2 A1D2 A1B2 A1F2 A1E2	48 48    30 30 30 5 2	92X3293 92X3294  > > > >  92X3293 92X3294 92X6495 92X7255 92X3296 92X3295	CSP card Data Storage Adapter  5363 II, IV  CSP card Data Storage Adapter DSA (II,IV) WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	Error during cycle steal or I/O instruction to/ from Data Storage Adapter See channel isolation procedure 155 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1605	A1G2	45	92X3293	CSP card	Error during cycle steal or I/O instruction to/from Data Storage Adapter. See channel isolation procedure 155 in the MIM.
	A1D2	40	92X3294	Data Storage Adapter	
	A1F2	2	92X3221	WS/Panel Cd.	
	A1E2		92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	B1-G	2	92X3222	MS Card 1MB	
			92X7231	MS Card 2MB	
			21F4225	MS Card 1MB (III)	
			21F4226	MS Card 2MB (III)	
	A1-BD	1	92X7243	A1 Board	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1G2	30	92X3293	CSP card	
	A1B2	30	92X6495	DSA (II,IV)	
	A1D2	30	92X3294	Data Storage Adapter	
	A1F2	2	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	2	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	B1-G	1	92X7231	MS Card 2MB	
		21F4225	MS Card 1MB (III,IV)		
		21F4226	MS Card 2MB (III,IV)		
A1-BD	1	92X7243	A1 Board		
160A	A1G2	30	92X3293	CSP card	Error during cycle steal or I/O instruction to/from work station adapter or controller. See channel isolation procedure 155 in the MIM.
	A1F2	30	92X3221	WS/Panel Cd.	
	A1E2	31	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	A1D2	3	92X3294	Data Storage Adapter	
	B1-G	2	92X3222	MS Card 1MB	
			92X7231	MS Card 2MB	
			21F4225	MS Card 1MB (III)	
			21F4226	MS Card 2MB (III)	
	A1-BD	1	92X7243	A1 Board	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1G2	30	92X3293	CSP card	
	A1F2	30	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	30	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	A1D2	5	92X3294	Data Storage Adapter	
	A1B2	3	92X6495	DSA (II,IV)	
	B1-G	2	21F4225	MS Card 1MB (III,IV)	
		21F4226	MS Card 2MB (III,IV)		
A1-BD		92X7243	A1 Board		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
161E	> > > >		> > > >	5363 II, IV	Error during cycle steal between Main Store Processor and Data Storage Adapter. See channel isolation procedure 155 in the MIM.	
	-					
	A1G2	30	92X3293	CSP card		
	A1J2	30	92X3291	MSP data flow card		
	A1B2	30	92X6495	DSA (II,IV)		
	A1D2	2	92X3294	Data Storage Adapter		
	A1E2	2	92X3296	WS Controller feature		
	A1F2	1	92X7255	WS/Panel Cd. (II,IV)		
	B1-G	1	92X3222	MS Card 1MB		
		21F4225	MS Card 1MB (III,IV)			
	A1-BD	1	92X7243	A1 Board		
1620	A1G2	30	92X3293	CSP card	Error during cycle steal between MSP and the work station line adapter. Replace the MSP data flow first. If that does not fix the problem go to the channel isolation procedure 155 in the MIM.	
	A1J2	30	92X3291	MSP data flow card		
	A1F2	20	92X3221	WS/Panel Cd.		
	A1E2	14	92X3296	WS Controller feature		
			92X3295	WS Pass Through		
	A1D2	1	92X3294	Data Storage Adapter		
	B1-G	1	92X3222	MS Card 1MB		
			92X7231	MS Card 2MB		
			21F4225	MS Card 1MB (III)		
			21F4226	MS Card 2MB (III)		
		A1-BD	1	92X7243		A1 Board
	-					
	> > > >		> > > >	5363 II, IV		
	-					
	A1G2	30	92X3293	CSP card		
	A1J2	30	92X3291	MSP data flow card		
	A1F2	20	92X3221	WS/Panel Cd.		
	A1E2	5	92X3296	WS Controller feature		
			92X3295	WS Pass Through		
	A1D2	1	92X3294	Data Storage Adapter		
	A1B2	2	92X6495	DSA (II,IV)		
B1-G	2	92X3222	MS Card 1MB			
		21F4225	MS Card 1MB (III,IV)			
		92X7231	MS Card 2MB			
		21F4226	MS Card 2MB (III,IV)			
	A1-BD	1	92X7243	A1 Board		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
1621	A1G2	30	92X3293	CSP card	Error during cycle steal between MSP and the Data Storage Adapter. Replace the MSP data flow card first. If that does not fix the problem go to the channel isolation procedure 155 in the MIM.	
	A1J2	30	92X3291	MSP data flow card		
	A1D2	30	92X3294	Data Storage Adapter		
	A1F2	2	92X3221	WS/Panel Cd.		
	A1E2	2	92X3296	WS Controller feature		
	B1-G	2	92X3295	WS Pass Through		
			92X3222	MS Card 1MB		
			92X7231	MS Card 2MB		
			21F4225	MS Card 1MB (III)		
	21F4226	2	92X3222	MS Card 2MB (III)		
			92X7243	A1 Board		
			-	-		
	> > > >		> > > >	5363 II, IV		
	A1G2	23	92X3293	CSP card		
			92X3291	MSP data flow card		
			92X3294	Data Storage Adapter		
			92X6495	DSA (II,IV)		
			92X7255	WS/Panel Cd. (II,IV)		
			92X3296	WS Controller feature		
			92X3295	WS Pass Through		
B1-G			2	92X3222	MS Card 1MB	
				92X7231	MS Card 2MB	
				21F4225	MS Card 1MB (III,IV)	
21F4226			2	92X3296	MS Card 2MB (III,IV)	
	92X7243	A1 Board				
A1-BD	1					
162A	> > > >		> > > >	5363 II, IV	Error during cycle steal between MSP and the Data Storage Adapter. See channel isolation procedure 155 in the MIM.	
	-	-				
	A1G2	23	92X3293	CSP card		
	A1J2	23	92X3291	MSP data flow card		
	A1B2	23	92X6495	DSA (II,IV)		
	A1D2	23	92X3294	Data Storage Adapter		
	A1F2	2	92X7255	WS/Panel Cd. (II,IV)		
	B1-G	2	21F4225	MS Card 1MB (III,IV)		
			21F4226	MS Card 2MB (III,IV)		
	A1E2	2	92X3296	WS Controller feature		
92X3295	2	92X3295	WS Pass Through			
		92X7243	A1 Board			
A1-BD	1					
1630	A1G2	50	92X3293	CSP card	3 second time out during cycle steal.	
	B1-G	20	92X3222	MS Card 1MB		
			92X7231	MS Card 2MB		
			21F4225	MS Card 1MB (III,IV)		
			21F4226	MS Card 2MB (III,IV)		
	A1J2	10	92X3291	MSP data flow card		
	A1H2	10	92X3292	MSP control card		
	A1-BD	5	92X7243	A1 Board		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1635	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	Storage check or LSR check.
1645	A1G2 A1D2 A1F2 A1E2  B1-G  A1-BD - > > > > - A1G2 A1D2 A1B2 A1F2 A1E2  B1-G  A1-BD	33 33 20 10  2  1   18 18 18 18  5  3	92X3293 92X3294 92X3221 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243      92X3293 92X3294 92X6495 92X7255 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243	CSP card Data Storage Adapter WS/Panel Cd. WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III) MS Card 2MB (III) A1 Board   5363 II, IV  CSP card Data Storage Adapter DSA (II,IV) WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Error during SILSB on interrupt level 4. Go to channel isolation procedure 155 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
164A	A1G2	78	92X3293	CSP card	Error during SILSB on interrupt level 2. Replace the CSP card. If that does not fix the problem go to the channel isolation procedure 155 in the MIM.	
	A1D2	5	92X3294	Data Storage Adapter		
	A1F2	5	92X3221	WS/Panel Cd.		
	A1E2	5	92X3296	WS Controller feature		
				92X3295		WS Pass Through
	B1-G	1	92X3222	MS Card 1MB		
				92X7231		MS Card 2MB
				21F4225		MS Card 1MB (III)
				21F4226		MS Card 2MB (III)
	A1-BD	1	92X7243	A1 Board		
	-					
	> > > >			> > > >		5363 II, IV
	-					
	A1G2	73	92X3293	CSP card		
	A1D2	5	92X3294	Data Storage Adapter		
	A1B2	5	92X6495	DSA (II,IV)		
	A1F2	5	92X7255	WS/Panel Cd. (II,IV)		
A1E2	5	92X3296	WS Controller feature			
			92X3295	WS Pass Through		
B1-G	5	92X3222	MS Card 1MB			
			92X7231	MS Card 2MB		
			21F4225	MS Card 1MB (III,IV)		
			21F4226	MS Card 2MB (III,IV)		
A1-BD	1	92X7243	A1 Board			
1650	A1G2	45	92X3293	CSP card	3 or 4 second time out.	
	A1J2	45	92X3291	MSP data flow card		
	A1F2	5	92X3221	WS/Panel Cd.		
			92X7255	WS/Panel Cd. (II,IV)		
1670	A1G2	80	92X3293	CSP card	Control Store Processor received an error while accessing the MSP.	
	A1J2	12	92X3291	MSP data flow card		
	B1-G	5	92X3222	MS Card 1MB		
				92X7231		MS Card 2MB
				21F4225		MS Card 1MB (III,IV)
				21F4226		MS Card 2MB (III,IV)
	A1H2	1	92X3292	MSP control card		
	A1-BD	1	92X7243	A1 Board		
1671	A1G2	80	92X3293	CSP card	Control Store Processor received an error while accessing the MSP.	
	A1J2	12	92X3291	MSP data flow card		
	B1-G	5	92X3222	MS Card 1MB		
				92X7231		MS Card 2MB
				21F4225		MS Card 1MB (III,IV)
				21F4226		MS Card 2MB (III,IV)
		A1H2	1	92X3292		MSP control card
		A1-BD	1	92X7243		A1 Board

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1672	A1G2 A1J2 B1-G  A1H2 A1-BD	80 12 5  1 1	92X3293 92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	CSP card MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	Control Store Processor received an error while accessing the MSP.
167C	A1G2 A1J2 B1-G  A1H2 A1-BD	80 12 5  1 1	92X3293 92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	CSP card MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	The Control Store Processor received an error while accessing the Main Store Processor.
167E	A1G2 A1J2 B1-G  A1H2 A1-BD	80 12 5  1 1	92X3293 92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	CSP card MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	The Control Store Processor received a write parity error.
167F	A1G2 A1J2 B1-G  A1H2 A1-BD	80 12 5  1 1	92X3293 92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X7243	CSP card MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card A1 Board	The Control Store Processor received a write parity error.
1680	A1J2 B1-G  A1H2 A1G2 A1-BD	60 36  1 1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X3293 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card CSP card A1 Board	Main Storage Error
1681	A1J2 B1-G  A1H2 A1G2 A1-BD	60 36  1 1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X3293 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card CSP card A1 Board	Main Storage Error

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1682	A1J2 B1-G  A1H2 A1G2 A1-BD	60 36  1 1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X3293 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card CSP card A1 Board	Main Storage Error
168C	A1J2 B1-G  A1H2 A1G2 A1-BD	60 36  1 1 1	92X3291 92X3222 92X7231 21F4225 21F4226 92X3292 92X3293 92X7243	MSP data flow card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP control card CSP card A1 Board	Main Storage Error
16E3	A1G2 A1J2	60 40	92X3293 92X3291	CSP card MSP data flow card	False MSP error during cycle steal.
16E8	A1G2 A1J2	59 41	92X3293 92X3291	CSP card MSP data flow card	False MSP error.
16EA	A1G2 A1J2	94 6	92X3293 92X3291	CSP card MSP data flow card	MSP MSAR parity check.
16EC	A1G2 A1J2	60 40	92X3293 92X3291	CSP card MSP data flow card	MSP MSAR parity check during cycle steal.
16F0	A1G2 A1F2  A1D2  -	90 5  3  -	92X3293 92X3221 92X7255 92X3294	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV) Data Storage Adapter	CSP LSR Parity check. ReIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.
16F1	B1-G   A1J2 A1-BD	70   20 5	92X3222 92X7231 21F4225 21F4226 92X3291 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card A1 Board	MSP error: main storage access timeout. ReIPL. If sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.
16F2	B1-G   A1J2 A1H2 A1-BD	50   30 15 5	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	MSP error: Parity checks ReIPL. If sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
16F3	A1G2	19	92X3293	CSP card	CSP channel error. ReIPL. If sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL. See channel isolation procedure 155 in the MIM.	
	A1D2	19	92X3294	Data Storage Adapter		
	A1F2	19	92X3221	WS/Panel Cd.		
	A1E2	19	92X3295	WS Pass Through		
	B1-G		19	92X3296		WS Controller feature
				92X3222		MS Card 1MB
				92X7231		MS Card 2MB
				21F4225		MS Card 1MB (III)
	A1-BD		2	21F4226		MS Card 2MB (III)
				92X7243		A1 Board
				> > > >		> > > >
	-					
	A1G2	15	92X3293	CSP card		
	A1D2	15	92X3294	Data Storage Adapter		
A1B2	15	92X6495	DSA (II,IV)			
A1F2	15	92X7255	WS/Panel Cd. (II,IV)			
A1E2	5	92X3296	WS Controller feature			
B1-G		15	92X3295	WS Pass Through		
			92X3222	MS Card 1MB		
			92X7231	MS Card 2MB		
			21F4225	MS Card 1MB (III,IV)		
A1-BD		5	21F4226	MS Card 2MB (III,IV)		
			92X7243	A1 Board		
16F4	A1G2	90	92X3293	CSP card	CSP ECC error. ReIPL. If sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.	
	A1F2	5	92X3221	WS/Panel Cd.		
			92X7255	WS/Panel Cd. (II,IV)		
16F5	A1-BD	50	92X7243	A1 Board	Interrupt level 1 occurred from an unknown device. ReIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.	
	A1G2	49	92X3293	CSP card		
16F6	A1G2	70	92X3293	CSP card	Interrupt level 2 occurred from an unknown device. ReIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.	
	A1-BD	10	92X7243	A1 Board		
	A1D2	10	92X3294	Data Storage Adapter		
	-					
	> > > >		> > > >	5363 II, IV		
	-					
	A1G2	70	92X3293	CSP card		
	A1B2	10	92X6495	DSA (II,IV)		
	A1-BD	5	92X7243	A1 Board		
A1D2	5	92X3294	Data Storage Adapter			

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
16F7	A1G2	32	92X3293	CSP card	Interrupt level 3 occurred from an unknown device. ReIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.
	A1F2	32	92X3221	WS/Panel Cd.	
	A1E2	32	92X7255	WS/Panel Cd. (II,IV)	
			92X3296	WS Controller feature	
	A1-BD	2	92X3295	WS Pass Through	
			92X7243	A1 Board	
16F8	A1G2	30	92X3293	CSP card	Interrupt level 4 occurred from an unknown device. ReIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.
	A1D2	30	92X3294	Data Storage Adapter	
	A1F2	30	92X3221	WS/Panel Cd.	
	A1E2		92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	A1-BD	1	92X7243	A1 Board	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1G2	19	92X3293	CSP card	
	A1D2	19	92X3294	Data Storage Adapter	
	A1B2	19	92X6495	DSA (II,IV)	
	A1F2	19	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	19	92X3296	WS Controller feature	
		92X3295	WS Pass Through		
A1-BD	2	92X7243	A1 Board		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS		
16FF	A1G2	30	92X3293	CSP card	Unknown CSP/MSP problem. ReIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from reIPL.		
	A1H2	15	92X3292	MSP control card			
	A1J2	15	92X3291	MSP data flow card			
	A1D2	10	92X3294	Data Storage Adapter			
	A1F2	10	92X3221	WS/Panel Cd.			
	A1E2	10	92X3296	WS Controller feature			
	B1-G		5	92X3295		WS Pass Through	
				92X3222		MS Card 1MB	
				92X7231		MS Card 2MB	
				21F4225		MS Card 1MB (III)	
	A1-BD		4	21F4226		MS Card 2MB (III)	
				92X7243		A1 Board	
				-			
	> > > >			> > > >		5363 II, IV	
	-						
	A1G2	30	92X3293	CSP card			
	A1H2	15	92X3292	MSP control card			
	A1J2	15	92X3291	MSP data flow card			
	A1D2	8	92X3294	Data Storage Adapter			
	A1B2	8	92X6495	DSA (II,IV)			
	A1F2		92X7255	WS/Panel Cd. (II,IV)			
	A1E2	1	92X3296	WS Controller feature			
B1-G		6	92X3295	WS Pass Through			
			92X3222	MS Card 1MB			
			92X7231	MS Card 2MB			
			21F4225	MS Card 1MB (III,IV)			
A1-BD		1	21F4226	MS Card 2MB (III,IV)			
			92X7243	A1 Board			

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1702	B1-CD/S	40	xxxxxxx	Feature Card/s	Intermittent errors or IOP Feature is inactive and Timed out or IOP Feature Software Error if offset PCIBERRNM in (MS ADD 10021-22) PCIB is not zero call for software support and run APAR to collect data. Else power off system. Re-IPL, if error continues See Procedure 156 for Feature Isolation.
	B1-G	35	92X3222	MS Card 1MB	
			92X7231	MS Card 2MB	
			21F4225	MS Card 1MB (III)	
			21F4226	MS Card 2MB (III)	
	B1-A	15	92X7359	Feature IOP	
	Featpwr	5	1035395	Feature Power Supply	
			1035526	Europe/Mid-East/Africa	
	B1-BD		92X7240	Feature board	
	A1-BD		92X7243	A1 Board	
	-				
	> > > >		> > > >	5363 II, IV	
-					
B1-CD/S	40	xxxxxxx	Feature Card/s		
B1-G	35	92X3222	MS Card 1MB		
		92X7231	MS Card 2MB		
		21F4225	MS Card 1MB (III,IV)		
		21F4226	MS Card 2MB (III,IV)		
B1-A	15	92X7359	Feature IOP		
Featpwr	5	1035808	Feat. Pwr Supply (II,III		
		1035809	Eur/Mid-East/Afr (II,III		
B1-BD		92X7240	Feature board		
A1-BD		92X7243	A1 Board		
170E	Program				Invalid tape volume sequence check * Wrong tape volume -
1710	Program				Command not valid
1711	Program				End of Volume encountered normal - completion.
1713	Program				Invalid command modifier.
1714	Program				Invalid tape data length associated with command.
1716	Program				Invalid command in write mode.
1717	Program				Invalid command in read mode.
1718	Program				Invalid command with file open.
1719	Program				Invalid command with file closed.
171A	Program				Invalid command with file suspended.
171C	Program				Invalid command with tape at beginning of tape.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
171E	Program				Invalid command with file not suspended.
171F	Program				Invalid command sequence.
1721	Program				Invalid command invalid label.
1723	Program				Command not valid with tape not at Gap 0
1726	Program				Invalid file number specified.
1728	Program				Indeterminate error
172A	Program				MSP buffer not large enough on a read / write block command
172b	T Unit Program	95	92X3382	Tape Unit 55 MB	Data block contains invalid data on a read command
172F	Program				File is on previous tape volume. * Wrong tape cartridge, file not on this tape.
1734	Program				Data length shorter than requested
1735	T Unit T card B1-A Program	85 10 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Invalid volume ID * Blank cartridge or not IBM SL format. Run Tape OLPD
1736	T Unit Program	95	92X3382	Tape Unit 55 MB	LEOT found searching for label * Wrong cartridge, file not on tape
1738	T Unit T card B1-A Program	85 10 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	File block counter not equal to count in trailer label or block descriptor * IOCH code
1739	T Unit T card B1-A Program	85 10 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Invalid header label Cartridge not IBM format.
173A	T Unit	95	92X3382	Tape Unit 55 MB	Beginning of tape found, but not expected.
173b	T Unit T card B1-A Program	85 10 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Invalid trailer label Cartridge not IBM format.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
173C	Program				Previous device-to-device op failed
173d	T Unit Program	95	92X3382	Tape Unit 55 MB	Invalid file mark encountered Cartridge not IBM format.
173E	T Unit T card B1-A Program	85 10 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Invalid tape format/Length
173F	Program				Write attempted without retention or erase.
1741	T Unit T card B1-A	55 40 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Bad parity on tape bus during read * Run tape OLPD. Reseat card and cable before replacing FRU'S.
1742	T card T Unit	55 40	92X7353 92X3382	Tape Adpt Cd Tape Unit 55 MB	Unable to reset ready end or exception interrupt. * Run tape OLPD. Reseat card and cable before replacing FRU's.
1743	T Unit T card B1-A	55 40 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Timeout waiting for command termination * Run tape OLPD. Reseat cable before replacing FRU'S.
1745	Program				Data length longer than requested
1746	T Unit T card B1-A	75 20 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Exception is on unexpectedly * Run tape OLPD. Reseat card and cable before replacing FRU's.
1747	T Unit T card B1-A	50 40 7	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Drive not ready to accept command * Run tape OLPD. Reseat card and cable before replacing FRU's. During OLPD, if this SRC appears on the screen and the tape drive attached to the system is the 120 Meg Tape Drive, then see SRC 2747 for the correct FRU replacement parts.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1748	T Unit T card B1-A	50 40 5	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	No ready response when command issued * Run tape OLPD. Reseat card and cable before replacing FRU'S.
174b	T card T Unit B1-A	85 10 2	92X7353 92X3382 92X7359	Tape Adpt Cd Tape Unit 55 MB Feature IOP	Unexpected interrupt by the Tape DLC * Run tape OLPD. Reseat card and cable before replacing FRU'S.
1750	T Unit T card B1-A Featpwr	60 30 5 3	92X3382 92X7353 92X7359 1035808 1035809	Tape Unit 55 MB Tape Adpt Cd Feature IOP Feat. Pwr Supply (II,III Eur/Mid-East/Afr (II,III	Reset command failed to reset interface. * Run tape OLPD. Reseat card and cable before replacing FRU'S.
1751	T Unit T card B1-A	85 10 2	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Reset command failed * Run tape OLPD. Reseat card and cable before replacing FRU'S.
1753	T card T Unit B1-A	60 35 2	92X7353 92X3382 92X7359	Tape Adpt Cd Tape Unit 55 MB Feature IOP	Tape data in parity check during command response * Run tape OLPD. Reseat card and cable before replacing FRU'S.
1766	Media T Unit	90 5	----- 92X3382	Tape Cartridge Tape Unit 55 MB	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	90 5	----- 92X3382	Tape Cartridge Tape Unit 55 MB	EOM detected while executing command * If unable to separate media/operator/hardware run tape OLPD.
1769	Media T Unit	90 5	----- 92X3382	Tape Cartridge Tape Unit 55 MB	Read error. No data detected & EOM detected.
176b	Media T Unit	90 5	----- 92X3382	Tape Cartridge Tape Unit 55 MB	Read error. Bad block transferred. * If unable to separate media/operator/hardware run tape OLPD.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
176C	Media T Unit	90 5	----- 92X3382	Tape Cartridge Tape Unit 55 MB	Read error. Filler block transferred * If unable to separate media/operator/hardware run tape OLPD.
176d	Media T Unit	90 5	----- 92X3382	Tape Cartridge Tape Unit 55 MB	Read error. No data detected & BOM detected/ * If unable to separate media/operator/hardware run tape OLPD.
1770	T card T Unit	60 30	92X7353 92X3382	Tape Adpt Cd Tape Unit 55 MB	Illegal Tape command specified * Run tape OLPD. Reseat card and cable before replacing FRU'S.
1771	T card T Unit B1-A	65 30 2	92X7353 92X3382 92X7359	Tape Adpt Cd Tape Unit 55 MB Feature IOP	Bad parity on Tape bus during write * Run tape OLPD. Reseat card and cable before replacing FRU'S.
1772	Media T Unit Featpwr  - > > > > - Media T Unit Featpwr	70 30 10    70 30 10	----- 92X3382 1035395 1035526  > > > >  ----- 92X3382 1035808 1035809	Tape Cartridge Tape Unit 55 MB Feature Power Supply Europe/Mid-East/Africa  5363 II, IV  Tape Cartridge Tape Unit 55 MB Feat. Pwr Supply (II,III Eur/Mid-East/Afr (II,III	Catastrophic error. * Media potential. Verify cartridge turns replacing FRU's. Verify cartridge turns freely. Run tape OLPD.
1773	T Unit T card B1-A	50 35 12	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Unexpected exception (status byte) condition Invalid status from drive. Run Tape OLPD.
1774	T Unit	95	92X3382	Tape Unit 55 MB	Unexpected power On/Reset detected
1781	Oper T Unit	90 5	----- 92X3382	Operator error Tape Unit 55 MB	* 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.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
17A6	Oper T Unit	80 15	----- 92X3382	Operator error Tape Unit 55 MB	Tape file protected on write operation * Inspect cartridge case to verify the media is wound on both reels and is visible through the door on the cartridge. If unable to separate media/operator/hardware run tape OLPD. During OLPD, if this SRC appears on the screen and the tape drive attached to the system is the 120 Meg Tape Drive, then see SRC 27A6 for the correct FRU replacement parts.
17E0	T Unit T card B1-A	55 30 10	92X3382 92X7353 92X7359	Tape Unit 55 MB Tape Adpt Cd Feature IOP	Self Test Invalid format results returned from drive * Run tape OLPD. Reseat card and cable before replacing FRU'S.
17E1	T Unit Media	95	92X3382 -----	Tape Unit 55 MB Tape Cartridge	Self Test Speed or Sensor error encountered. * Verify the media is wound on both reels and is visible through the door on the cartridge. Verify the cartridge is installed correctly.
17F0	T card	95	92X7353	Tape Adpt Cd	Adapter error Reseat card and cable before replacing FRU's.
17F2	Program				Displayed OLPD screen is invalid with this SRC.
17F5	T card	95	92X7353	Tape Adpt Cd	Adapter error. Reseat card.
17F7	Program				Undetermined error during OLPD wraps.
17F9	T Unit	95	92X3382	Tape Unit 55 MB	Tape Unit error.
17Fb	T Unit	95	92X3382	Tape Unit 55 MB	File mark not read during OLPD.
17FC	T Unit T card	75 25	92X3382 92X7353	Tape Unit 55 MB Tape Adpt Cd	Data compare error during OLPD.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
17Fd	Oper T Unit	70 25	----- 92X3382	Operator error Tape Unit 55 MB	Cartridge not write protected during OLPD. During OLPD, if this SRC appears on the screen and the tape drive attached to the system is the 120 Meg Tape Drive, then see SRC 27FD for the correct FRU replacement parts.
1800					No failure detected. See Procedure 910 in MIM.
1801	SDLC cd	99	8286099	SDLC card	SDLC communication adapter failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1802	BSC1 cd	99	8286098	Prim BSC Card	BSC communication adapter failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1803	BSC2 cd	99	8286098	Secondary BSC Card	BSC communication adapter failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1804	ASY1 cd ASY1cbl	60 40	8286147 92X7323	Primary Async Card Primary Async cable	ASYN communication adapter failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1805	ASY2 cd	99	8286147	Secondary Async card	ASYN communication adapter failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1806	SDLC cd SDLCcbl	60 40	8286099 92X7325	SDLC card SDLC cable	SDLC card or cable failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
1807	BSC1 cd BSC1cbl	60 40	8286098 92X7325	Prim BSC Card Primary BSC cable	BSC card or cable failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1808	BSC2 cd BSC2cbl	60 40	8286098 92X7325	Secondary BSC Card Secondary BSC cable	BSC card or cable failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1809	ASY1 cd ASY1cbl	60 40	8286147 92X7323	Primary Async Card Primary Async cable	ASYNC card or cable failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
180A	ASY2 cd ASY2cbl	60 40	8286147 92X7323	Secondary Async card Secondary Async cable	ASYNC card or cable failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
180b	SDLCcbl	99	92X7325	SDLC cable	SDLC cable bad. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
180C	BSC1cbl	99	92X7325	Primary BSC cable	BSC cable bad. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
180d	BSC2cbl	99	92X7325	Secondary BSC cable	BSC cable bad. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
180E	ASY1cbl	99	92X7323	Primary Async cable	ASYNC cable bad. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
180F	ASY2cbl	99	92X7323	Secondary Async cable	ASYNCR cable bad. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1830					BSC receive time-out data mode. This SRC will appear only in the error log.
1831					BSC not data set ready. This SRC will appear only in the error log.
1832					BSC abortive disconnect. This SRC will appear only in the error log.
1833					BSC receive adapter check. This SRC will appear only in the error log.
1834					BSC transmit adapter mode. This SRC will appear only in the error log.
1835					BSC block check (LRC/CRC/VRC) error. This SRC will appear only in the error log.
1836					BSC receive time-out. This SRC will appear only in the error log.
1837					BSC invalid ASCII chara. This SRC will appear only in the error log.
1838					SDLC adapter check (overrun/underrun). This SRC will appear only in the error log.
183A					SDLC not data set ready. This SRC will appear only in the error log.
183b					SDLC time-out (if primary station, this is a 16-second non-productive time-out. If secondary, this is a 32-second inactivity time-out). This SRC will appear only in the error log.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
183C					SDLC idle detected. This SRC will appear only in the error log.
183d					SDLC invalid frame. This SRC will appear only in the error log.
183E					SDLC frame check (data). This SRC will appear only in the error log.
183F					SDLC receive buffer overrun. This SRC will appear only in the error log.
189b	ARTIC	99	60X8192	Realtime Co-Proc(ARTIC)	Basic communications diagnostic test failure. Ensure the ARTIC is jumpered correctly and that the card is seated before replacing the FRU.
189C	RS-232C CABLE ARTIC	40 40 20	58X7285 92X7324 60X8192	Line 3(Port A) elec Int. Line 3 modem attach cbl Realtime Co-Proc(ARTIC)	Basic communication diagnostic test failure. Ensure the ARTIC and RS-232-C Interface Board are jumpered correctly and that the cards and cables are seated before replacing FRUs. Ref procedure 984 in the MIM.
189d	RS-232C CABLE ARTIC	40 40 20	58X7285 92X7324 60X8192	Line 4(Port B) elec Int. Line 4 modem attach cbl Realtime Co-Proc(ARTIC)	Basic communication diagnostic test failure. Ensure the ARTIC and RS-232-C Interface Board are jumpered correctly and that the cards and cables are seated before replacing FRUs.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
189E	B1-CD/S B1-G  B1-A Featpwr A1-BD B1-BD	50 25  15 5 1 1	xxxxxxx 92X3222 92X7231 21F4225 21F4226 92X7359 1035395 92X7243 92X7240	Feature Card/s MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Feature Power Supply A1 Board Feature board	Intermittent errors or IOP feature is inactive and timed out or IOP Feature Software Error Power off system. Re-IPL, If error continues see procedure 156 for Feature Isolation. If offset PCIBERRNM in (M address 10021-22) PCIB is not zero call for software support and run APAR to collect data.
189F	V.35 CABLE ARTIC	40 40 20	58X7287 92X7216 60X8192	Line 3(Port A) elec Int. V.35 Cable Realtime Co-Proc(ARTIC)	Basic communication diagnostic test failure. Ensure the ARTIC and V.35 Interface Board are jumpered correctly and that the cards and cables are seated before replacing FRUs.
18b0	Program				Line allocation failed (return code not recognized) or test selection is invalid. OLPD program error.
18bF	Program				Test or test selection is invalid (program error).
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.



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1922	A1C2	50	92X3224	Disk Adapter Card	Unrecoverable Drive A error. See procedure 121 in the MIM.
	Drive A	15	69X6909	Disk Drive A 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	A1D2	15	92X3294	Data Storage Adapter	
	-				
	> > >		> > >	5363 II, IV	
	-				
	A1C2	50	92X7256	Dsk Adptr Cd (II,III,IV)	
	Drive A	15	69X6909	Disk Drive A 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
Drive A		92X7320	Disk Drive A 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive A		21F4250	Disk Drive A 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1B2	15	92X6495	DSA (II,IV)		
1923	A1C2	50	92X3224	Disk Adapter Card	Unrecoverable Drive B error. See procedure 121 in the MIM.
	Drive B	15	69X6909	Disk Drive B 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	-				
	> > >		> > >	5363 II, IV	
	-				
	A1C2	50	92X7256	Dsk Adptr Cd (II,III,IV)	
	Drive B	15	69X6909	Disk Drive B 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
DL card		6370951	105Mb Drive Logic Card		
Drive B		21F4250	Disk Drive B 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1B2	15	92X6495	DSA (II,IV)		
1924	> > >		> > >	5363 II, IV	Unrecoverable Drive C error. See Procedure 121 in the MIM.
	-				
	A1A2	50	92X7256	Dsk Adptr Cd (II,IV)	
	Drive C	15	69X6909	Disk Drive C 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive C		92X7320	Disk Drive C 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive C		21F4250	Disk Drive C 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	A1B2	15	92X6495	DSA (II,IV)	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1925	> > > > -		> > > >	5363 II, IV	Unrecoverable Drive D error. See Procedure 121 in the MIM.
	A1A2	50	92X7256	Dsk Adptr Cd (II,IV)	
	Drive D	15	69X6909	Disk Drive D 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	A1B2	15	92X6495	DSA (II,IV)	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1931	A1D2	70	92X3294	Data Storage Adapter	Unrecoverable Drive error. Replace Data storage Adapter and Disk Adapter cards first. If that does not solve the problem execute Procedure 121 in the MIM.
	A1C2	10	92X3224	Disk Adapter Card	
	Drive A	5	69X6909	Disk Drive A 65MB	
	DL card	5	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1B2	50	92X6495	DSA (II,IV)	
	A1C2	20	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1A2	10	92X7256	Dsk Adptr Cd (II,IV)	
	Drive A	5	69X6909	Disk Drive A 65MB	
	DL card	5	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	- or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
or					
Drive C		69X6909	Disk Drive C 65MB		
DL card		6370793	65Mb Drive Logic Card		
Drive C		92X7320	Disk Drive C 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive C		21F4250	Disk Drive C 314MB		
DL card		21F4580	314Mb Drive Logic Card		
or					
Drive D		69X6909	Disk Drive D 65MB		
DL card		6370793	65Mb Drive Logic Card		
Drive D		92X7320	Disk Drive D 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive D		21F4250	Disk Drive D 314MB		
DL card		21F4580	314Mb Drive Logic Card		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1932	A1C2 Drive A DL card Drive A DL card Drive A DL card A1D2	50 15 20    15	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Data Storage Adapter	Unrecoverable Drive timeout error. See procedure 121 in the MIM.
1933	A1C2 Drive B DL card Drive B DL card Drive B DL card	50 15 20    	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Unrecoverable Drive B error. See Procedure 121 in the MIM.
1934	A1C2 A1D2 - > > > > - A1A2 Drive C DL card Drive C DL card Drive C DL card A1B2 A1C2	45 45    50 15 20    5 5	92X3224 92X3294  > > > >  92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495 92X7256	Disk Adapter Card Data Storage Adapter  5363 II, IV  Dsk Adptr Cd (II,IV) Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card DSA (II,IV) Dsk Adptr Cd (II,III,IV)	Unexpected interrupt. See procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1935	A1C2	40	92X3224	Disk Adapter Card	Interrupt timeout. Replace Disk Adapter and Data Storage cards first. See procedure 121 in the MIM.
	A1D2	40	92X3294	Data Storage Adapter	
	Drive A	5	69X6909	Disk Drive A 65MB	
	DL card	5	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1A2	30	92X7256	Dsk Adptr Cd (II,IV)	
	A1B2	30	92X6495	DSA (II,IV)	
	A1C2	30	92X7256	Dsk Adptr Cd (II,III,IV)	
	Drive A	5	69X6909	Disk Drive A 65MB	
	DL card	5	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive C		69X6909	Disk Drive C 65MB	
	DL card		6370793	65Mb Drive Logic Card	
Drive C		92X7320	Disk Drive C 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive C		21F4250	Disk Drive C 314MB		
DL card		21F4580	314Mb Drive Logic Card		
or					
Drive D		69X6909	Disk Drive D 65MB		
DL card		6370793	65Mb Drive Logic Card		
Drive D		92X7320	Disk Drive D 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive D		21F4250	Disk Drive D 314MB		
DL card		21F4580	314Mb Drive Logic Card		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1936	A1D2	45	92X3294	Data Storage Adapter	Parity or DLC timeout check. See Procedure 121 in the MIM.
	A1C2	45	92X3224	Disk Adapter Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1B2	45	92X6495	DSA (II,IV)	
	A1C2	25	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1A2	25	92X7256	Dsk Adptr Cd (II,IV)	
1937	A1D2	85	92X3294	Data Storage Adapter	DMA address or parity check. See Procedure 121 in the MIM.
	A1C2	10	92X3224	Disk Adapter Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1B2	70	92X6495	DSA (II,IV)	
	A1A2	10	92X7256	Dsk Adptr Cd (II,IV)	
	A1C2	10	92X7256	Dsk Adptr Cd (II,III,IV)	
1938	A1C2	70	92X3224	Disk Adapter Card	Cable continuity. Reseat cbl J26&27 (J28&29) and reIPL with wraps. See Procedure 121 in the MIM.
	A1D2	25	92X3294	Data Storage Adapter	
	J26&27	2	92X3300	Disk Cable	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1C2	40	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1A2	40	92X7256	Dsk Adptr Cd (II,IV)	
A1B2	10	92X6495	DSA (II,IV)		
	J26&27	5	92X3300	Disk Cable	
	J28&29		92X3312	Disk Cable (II,IV)	
1939	A1C2	75	92X3224	Disk Adapter Card	Interface error. See Procedure 121 in the MIM.
	A1D2	20	92X3294	Data Storage Adapter	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1C2	40	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1A2	40	92X7256	Dsk Adptr Cd (II,IV)	
	A1B2	15	92X6495	DSA (II,IV)	
193A	A1C2	75	92X3224	Disk Adapter Card	Adapter failure. See Procedure 121 in the MIM.
	A1D2	20	92X3294	Data Storage Adapter	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1C2	40	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1A2	40	92X7256	Dsk Adptr Cd (II,IV)	
	A1B2	15	92X6495	DSA (II,IV)	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
193b					Run Build procedure first. Full or no alternate table ReIPL and run Analyze on the drive called out in erap. See procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
193C	A1C2	40	92X3224	Disk Adapter Card	Run Build procedure first. Media error. Replace Disk Adapter card first. See procedure 121 in the MIM.	
	A1D2	40	92X3294	Data Storage Adapter		
	Drive A	5	69X6909	Disk Drive A 65MB		
	DL card	10	6370793	65Mb Drive Logic Card		
	Drive A		92X7320	Disk Drive A 105MB		
	DL card	or	6370951	105Mb Drive Logic Card		
	Drive B		69X6909	Disk Drive B 65MB		
	DL card	6370793	65Mb Drive Logic Card			
	Drive B		92X7320	Disk Drive B 105MB		
	DL card	6370951	105Mb Drive Logic Card			
	-		> > > >	> > > >		5363 II, IV
	-	A1C2	30	92X7256		Dsk Adptr Cd (II,III,IV)
		A1A2	30	92X7256		Dsk Adptr Cd (II,IV)
		A1B2	20	92X6495		DSA (II,IV)
		Drive A	5	69X6909		Disk Drive A 65MB
		DL card	10	6370793		65Mb Drive Logic Card
		Drive A		92X7320		Disk Drive A 105MB
		DL card	6370951	105Mb Drive Logic Card		
		Drive A		21F4250		Disk Drive A 314MB
		DL card	21F4580	314Mb Drive Logic Card		
		or		69X6909		Disk Drive B 65MB
		Drive B	6370793	65Mb Drive Logic Card		
		DL card		92X7320		Disk Drive B 105MB
		Drive B	6370951	105Mb Drive Logic Card		
		DL card		21F4250		Disk Drive B 314MB
		Drive B	21F4580	314Mb Drive Logic Card		
		or		69X6909		Disk Drive C 65MB
		Drive C	6370793	65Mb Drive Logic Card		
		DL card		92X7320		Disk Drive C 105MB
		Drive C	6370951	105Mb Drive Logic Card		
		DL card		21F4250		Disk Drive C 314MB
		Drive C	21F4580	314Mb Drive Logic Card		
	or	69X6909		Disk Drive D 65MB		
	Drive D	6370793	65Mb Drive Logic Card			
	DL card		92X7320	Disk Drive D 105MB		
	Drive D	6370951	105Mb Drive Logic Card			
	DL card		21F4250	Disk Drive D 314MB		
	Drive D	21F4580	314Mb Drive Logic Card			

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
193d	A1C2	10	92X3224	Disk Adapter Card	Drive error. Check ERAP for the drive in error. See Procedure 121 in the MIM
	Drive A	30	69X6909	Disk Drive A 65MB	
	DL card	40	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	Drive A	30	69X6909	Disk Drive A 65MB	
	DL card	40	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive C		69X6909	Disk Drive C 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive C		92X7320	Disk Drive C 105MB	
DL card		6370951	105Mb Drive Logic Card		
Drive C		21F4250	Disk Drive C 314MB		
DL card		21F4580	314Mb Drive Logic Card		
or					
Drive D		69X6909	Disk Drive D 65MB		
DL card		6370793	65Mb Drive Logic Card		
Drive D		92X7320	Disk Drive D 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive D		21F4250	Disk Drive D 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1A2	10	92X7256	Dsk Adptr Cd (II,IV)		
A1C2	10	92X7256	Dsk Adptr Cd (II,III,IV)		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
193E	A1C2	65	92X3224	Disk Adapter Card	Data overrun check. See procedure 121 in the MIM.
	A1D2	30	92X3294	Data Storage Adapter	
	> > > >		> > > >	5363 II, IV	
	A1C2	40	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1A2	40	92X7256	Dsk Adptr Cd (II,IV)	
	A1B2	15	92X6495	DSA (II,IV)	
194A	A1C2	65	92X3224	Disk Adapter Card	Drive A error. Run BUILD procedure first.  Exchange FRUs only if problem continues. See procedure 121 in the MIM.
	Drive A	10	92X7256	Dsk Adptr Cd (II,III,IV)	
	DL card	20	69X6909	Disk Drive A 65MB	
	Drive A		6370793	65Mb Drive Logic Card	
	DL card		92X7320	Disk Drive A 105MB	
	Drive A		6370951	105Mb Drive Logic Card	
	DL card		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
194b	A1C2	65	92X3224	Disk Adapter Card	Drive B error. Run BUILD procedure first.  Exchange FRUs only if problem continues. See procedure 121 in the MIM.
	Drive B	10	92X7256	Dsk Adptr Cd (II,III,IV)	
	DL card	20	69X6909	Disk Drive B 65MB	
	Drive B		6370793	65Mb Drive Logic Card	
	DL card		92X7320	Disk Drive B 105MB	
	Drive B		6370951	105Mb Drive Logic Card	
	DL card		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
194C	A1A2	65	92X7256	Dsk Adptr Cd (II,IV)	Drive C error. Run BUILD procedure first.  See Procedure 121 in the MIM.
	Drive C	10	69X6909	Disk Drive C 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive C		92X7320	Disk Drive C 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive C		21F4250	Disk Drive C 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
194d	A1A2	65	92X7256	Dsk Adptr Cd (II,IV)	Drive D error. Run BUILD procedure first.  See Procedure 121 in the MIM.
	Drive D	10	69X6909	Disk Drive D 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
197F					Unable to determine the cause of failure. See procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19b5	A1C2	45	92X3224	Disk Adapter Card	Interrupt timeout. Replace Disk adapter card and Data Storage Adapter card first.
	A1D2	40	92X3294	Data Storage Adapter	
	Drive A	5	69X6909	Disk Drive A 65MB	See Procedure 121 in the MIM
	DL card	5	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1C2	30	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1A2	30	92X7256	Dsk Adptr Cd (II,IV)	
	A1B2	25	92X6495	DSA (II,IV)	
	Drive A	5	69X6909	Disk Drive A 65MB	
	DL card	5	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive C		69X6909	Disk Drive C 65MB	
	DL card		6370793	65Mb Drive Logic Card	
Drive C		92X7320	Disk Drive C 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive C		21F4250	Disk Drive C 314MB		
DL card		21F4580	314Mb Drive Logic Card		
or					
Drive D		69X6909	Disk Drive D 65MB		
DL card		6370793	65Mb Drive Logic Card		
Drive D		92X7320	Disk Drive D 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive D		21F4250	Disk Drive D 314MB		
DL card		21F4580	314Mb Drive Logic Card		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19b6	A1D2	55	92X3294	Data Storage Adapter	Parity or DLC timeout check. See procedure 121 in the MIM.
	A1C2	40	92X3224	Disk Adapter Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
19b7	A1B2	50	92X6495	DSA (II,IV)	DMA address or parity check. See Procedure 121 in the MIM.
	A1C2	20	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1A2	20	92X7256	Dsk Adptr Cd (II,IV)	
	-				
19b8	A1D2	90	92X3294	Data Storage Adapter	Cable continuity. Reseat cable J26&27 (J28&29) and re-IPL. See Procedure 121 in the MIM.
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1B2	90	92X6495	DSA (II,IV)	
19b8	A1C2	70	92X3224	Disk Adapter Card	Cable continuity. Reseat cable J26&27 (J28&29) and re-IPL. See Procedure 121 in the MIM.
	A1D2	20	92X3294	Data Storage Adapter	
	J26&27	7	92X3300	Disk Cable	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1C2	60	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1B2	20	92X6495	DSA (II,IV)	
19b9	A1A2	10	92X7256	Dsk Adptr Cd (II,IV)	Interface error. See Procedure 121 in the MIM.
	J26&27	7	92X3300	Disk Cable	
	J28&29	7	92X3312	Disk Cable (II,IV)	
	-				
	> > > >		> > > >	5363 II, IV	
19bA	A1C2	60	92X7256	Dsk Adptr Cd (II,III,IV)	Adapter failure. See procedure 121 in the MIM.
	A1B2	20	92X6495	DSA (II,IV)	
	A1A2	15	92X7256	Dsk Adptr Cd (II,IV)	
	-				
	> > > >		> > > >	5363 II, IV	
19bA	A1C2	80	92X3224	Disk Adapter Card	Adapter failure. See procedure 121 in the MIM.
	A1D2	15	92X3294	Data Storage Adapter	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
19bA	A1C2	40	92X7256	Dsk Adptr Cd (II,III,IV)	Adapter failure. See procedure 121 in the MIM.
	A1A2	40	92X7256	Dsk Adptr Cd (II,IV)	
	A1B2	15	92X6495	DSA (II,IV)	
	-				



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19bd	A1C2	60	92X3224	Disk Adapter Card	Data overrun check.  Reference procedure 121 in the MIM.
	Drive A	10	69X6909	Disk Drive A 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1A2	5	92X7256	Dsk Adptr Cd (II,IV)	
	Drive A	30	69X6909	Disk Drive A 65MB	
	DL card	40	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
or					
Drive C		69X6909	Disk Drive C 65MB		
DL card		6370793	65Mb Drive Logic Card		
Drive C		92X7320	Disk Drive C 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive C		21F4250	Disk Drive C 314MB		
DL card		21F4580	314Mb Drive Logic Card		
or					
Drive D		69X6909	Disk Drive D 65MB		
DL card		6370793	65Mb Drive Logic Card		
Drive D		92X7320	Disk Drive D 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive D		21F4250	Disk Drive D 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1C2	25	92X7256	Dsk Adptr Cd (II,III,IV)		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
19bE	A1C2	60	92X3224	Disk Adapter Card	Drive error. Check erap for the drive in error. See procedure 121 in the MIM.
	A1D2	30	92X3294	Data Storage Adapter	
	- > > > >		> > > >	5363 II, IV	
	- A1C2 A1B2 A1A2	50 25 20	92X7256 92X6495 92X7256	Dsk Adptr Cd (II,III,IV) DSA (II,IV) Dsk Adptr Cd (II,IV)	
19FE					Unable to determine the cause of failure. Reference procedure 121 MIM.
19FF					Unable to determine the cause of failure. Data overrun check. Reference procedure 121 MIM.
1C00	A1E2	50	92X3295	WS Pass Through	Work station adapter default code. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRU indicated.
	A1F2	45	92X3296 92X3221 92X7255	WS Controller feature WS/Panel Cd. WS/Panel Cd. (II,IV)	
1C01	A1F2	65	92X3221 92X7255	WS/Panel Cd. WS/Panel Cd. (II,IV)	The system has a processor check caused by the work station attachment. IPL system and use IPL SRC for FRU isolation. If there is no IPL SRC, replace FRUs indicated by SRC.
	A1E2	25	92X3296 92X3295	WS Controller feature WS Pass Through	
1C02	A1E2	85	92X3296 92X3295	WS Controller feature WS Pass Through	The work station controller failed. IPL system and use IPL SRC for FRU isolation. If there is no IPL SRC, replace FRU indicated by SRC.
	A1F2	5	92X3221 92X7255	WS/Panel Cd. WS/Panel Cd. (II,IV)	
1C03	A1F2	75	92X3221 92X7255	WS/Panel Cd. WS/Panel Cd. (II,IV)	The work station adapter didn't complete its cycle steal operation. IPL system and use IPL SRC for FRU isolation. If there is no IPL SRC, replace FRUs indicated by SRC.
	A1E2	10	92X3296 92X3295	WS Controller feature WS Pass Through	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1C05	A1F2 A1E2	75 15	92X3221 92X7255 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The Work Station adapter has a hardware error but completed it's cycle steal operation. IPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by SRC.
1C10	A1F2 A1E2 A1G2	60 20 5	92X3221 92X7255 92X3296 92X3295 92X3293	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through 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 SRC.
1C11	A1F2 A1G2 A1E2	60 30 9	92X3221 92X7255 92X3293 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) CSP card WS Controller feature WS Pass Through	System has a processor check caused by a work station hardware error. ReIPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs. indicated by SRC.
1C13	A1F2 A1E2 A1G2	70 10 10	92X3221 92X7255 92X3296 92X3295 92X3293	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through CSP card	The work station adapter did not complete its cycle steal operation. ReIPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs indicated by SRC.
1C15	A1F2 A1E2	80 15	92X3221 92X7255 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station adapter has a hardware error but completed its cycle steal. ReIPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs Specified by SRC.
1d01	A1D2 A1C2	90 5	92X3294 92X3224 92X7256	Data Storage Adapter Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Attachment data bus parity check command reject, load parity check,command/sense parity check, adapter sense parity check, buffer write check.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1d02	Dskt Dr A1D2 J25	69 25 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Interface or interrupt timeout. See diskette drive failures in the MIM.
1d03	A1D2 A1F2  A1E2  A1-BD	30 25  20  5	92X3294 92X3221 92X7255 92X3296 92X3295 92X7243	Data Storage Adapter WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through A1 Board	Cycle steal parity check.
1d05	A1D2 A1G2	80 15	92X3294 92X3293	Data Storage Adapter CSP card	Overflow or underrun.
1d06	A1D2 Dskt Dr J25	75 15 1	92X3294 6369881 92X3301	Data Storage Adapter Diskette Drive Asm Diskette Cable Asm	Write gate wrap check, unsafe. See diskette drive failures in the MIM.
1d0A	Oper Dskt Dr A1D2 J25  Bse Pwr - > > > > - Oper Dskt Dr A1D2 J25 Bse Pwr	60 35 2 1  1  60 35 2 1 1	----- 6369881 92X3294 92X3301  1035350  > > > >  ----- 6369881 92X3294 92X3301 1035807	Operator error Diskette Drive Asm Data Storage Adapter Diskette Cable Asm  Base Power Supply  5363 II, IV  Operator error Diskette Drive Asm Data Storage Adapter Diskette Cable Asm Base Power Supply (II,II)	Diskette not at speed (stopped, slow or fast). No diskette in drive. Diskette inserted wrong. See diskette failures in the MIM. This SRC can occur if the diskette drive is not receiving power, check for + 5V and + 12V on the diskette power cable. (See procedure 604 in the MIM.)
1d0b	User Program	95			The system issued an invalid or unsupported command to the diskette microcode (NO-OP)
1d0C	Dskt Dr A1D2 J25	50 45 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Cylinder mismatch. Invalid seek control. See diskette drive failures in the MIM.
1d0F	Media Dskt Dr A1D2	70 15 10	----- 6369881 92X3294	Diskette Diskette Drive Asm Data Storage Adapter	CRC check; AM not found. ID not found; write verify unequal. If unable to separate media/operator/hardware, run diskette OLPD.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1d11	Media Dskt Dr	98 1	----- 6369881	Diskette Diskette Drive Asm	Cannot write to a write protected diskette. Media may have write protect tab installed.
1dA0	A1D2 Dskt Dr J25	95 2 1	92X3294 6369881 92X3301	Data Storage Adapter Diskette Drive Asm Diskette Cable Asm	Error while running wraps to attachment card. See diskette failures in the MIM.
1dA1	Dskt Dr A1D2 J25	90 4 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Cannot read cylinder 0 head 0. See diskette failures in the MIM.
1dA2	Dskt Dr A1D2 J25	90 3 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Worn head test fails on head 0. See diskette failures in the MIM.
1dA3	Dskt Dr A1D2 J25	90 3 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Worn head test fails on head 1. See diskette failures in the MIM.
1dA4	Dskt Dr A1D2 J25	90 3 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Worn head test fails on both head 0 and head 1. See diskette failures in the MIM.
1dA5	Dskt Dr A1D2 J25	90 3 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Scan test fails (hardware error) drive test ran good See diskette failures in the MIM.
1F19	A1D2 Dskt Dr J25	90 3 1	92X3294 6369881 92X3301	Data Storage Adapter Diskette Drive Asm Diskette Cable Asm	Scan test fails (hardware error) drive test ran good See diskette failures in the MIM.
2000					Load hardware registers. Enable timer. Run auto-configure/customize. Re-IPL with wraps.
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.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2002					Initialize main storage. Problem due to bad memory or incorrect memory configuration. Run auto-configure/customize. Re-IPL with wraps.
2003					Check last 9 pages of main store. Problem due to (at least) one of the last 9 pages of main store being bad.
2010					Initialize fixed nucleus. Build resident ACE's and IOB's. Run auto-configure/customize. Re-IPL with wraps.
2012					First disk operation. Read in Control Store Library. Problem due to bad disk hardware or incorrect disk 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.
2014					Process UDT. Problem due to error in UDT or in processing it. Run auto-configure/customize. Re-IPL with wraps.
2016					Initialize I/O logging tables. Call logging module \$IPLLOG. Problem due to logging tables or disk errors. Run auto-configure Customize. Re-IPL with wraps.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
201C					IPL the work station controller. Problem due to loading controller code or the actual WSC. Run auto-configure/customize. Re-IPL with wraps.
2021					Read in Main Storage bootstrap 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 for diskette reload. 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.
2036					Read in main storage bootstrap code from diskette. Problem due to diskette or diskette drive error. Check diskette 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.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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 the tape is an unlabeled tape. Check tape and tape drive. Run auto-configure/customize. Re-IPL with wraps.
2053					Read label from tape. Problem due to tape or tape drive. Tape was specified as the only device for reload, but the tape is not an IPL tape. Check tape and tape drive. An MSIPL can be performed from diskette by using default reload parameters.
2054					Read Main storage bootstrap code from tape. Problem due to tape or tape drive. Run auto-configure/customize. Re-IPL with wraps.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2100	A1D2 A1G2 A1C2 A1F2 A1E2  B1-G   A1-BD - > > > > - A1D2 A1G2 A1B2 A1A2 A1F2 A1E2  B1-G  A1C2 A1-BD	40 30 20 2 2  2   1   68 18 2 2 2 2  21F4225 21F4226  1 1	92X3294 92X3293 92X3224 92X3221 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243  > > > >  92X3294 92X3293 92X6495 92X7256 92X7255 92X3296 92X3295 21F4225 21F4226 92X7256 92X7243	Data Storage Adapter CSP card Disk Adapter Card WS/Panel Cd. WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III) MS Card 2MB (III) A1 Board  5363 II, IV  Data Storage Adapter CSP card DSA (II,IV) Dsk Adptr Cd (II,IV) WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB (III,IV) MS Card 2MB (III,IV) Dsk Adptr Cd (II,III,IV) A1 Board	Data Storage Adapter not found. Channel failure. Go to channel isolation procedure 155 in the MIM.
2101	A1D2 A1C2  A1-BD	90 5  2	92X3294 92X3224 92X7256 92X7243	Data Storage Adapter Disk Adapter Card Dsk Adptr Cd (II,III,IV) A1 Board	Attachment data bus parity check, command reject, load parity check, command/sense parity check adapter sensed parity check, buffer write check
2102	Dskt Dr A1D2 J25	65 30 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Interrupt timeout. See diskette failure in the MIM.
2103	A1D2 A1G2 A1F2  A1E2	85 4 3  3	92X3294 92X3293 92X3221 92X7255 92X3296	Data Storage Adapter CSP card WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature	Cycle steal parity check.
2105	A1D2 A1G2	90 5	92X3294 92X3293	Data Storage Adapter CSP card	Overrun/underrun.
2106	A1D2 Dskt Dr J25	50 45 1	92X3294 6369881 92X3301	Data Storage Adapter Diskette Drive Asm Diskette Cable Asm	Write gate wrap check, unsafe. See diskette failures in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
210A	Operate Dskt Dr A1D2 J25 Bse Pwr	60 35 2 1 1	6369881 92X3294 92X3301 1035350	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm Base Power Supply	Diskette stopped/slow, or fast, no diskette in drive, diskette inserted wrong. See diskette failures in the MIM.
210C	Dskt Dr A1D2 J25	95 1 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Cylinder mismatch, invalid seek control. See diskette failures in the MIM.
210F	Dskt Dr A1D2 J25	95 1 1	6369881 92X3294 92X3301	Diskette Drive Asm Data Storage Adapter Diskette Cable Asm	Write verify unequal, CRC check, AM2 not found, ID not found. Diagnostic media is assumed to be good. See diskette failures in the MIM.
2110	A1D2 A1C2 A1G2 A1F2 A1E2 B1-G  A1-BD - > > > > - A1D2 A1B2 A1G2 A1A2 A1C2 A1F2 A1E2  B1-G  A1-BD	50 30 12 2 2 2  1  68 10 8 2 2 2 2  1	92X3294 92X3224 92X3293 92X3221 92X3296 92X3222 92X7231 21F4225 21F4226 92X7243  > > > >  92X3294 92X6495 92X3293 92X7256 92X7256 92X7255 92X3296 92X3295 21F4225 21F4226 92X7243	Data Storage Adapter Disk Adapter Card CSP card WS/Panel Cd. WS Controller feature MS Card 1MB MS Card 2MB MS Card 1MB (III) MS Card 2MB (III) A1 Board  5363 II, IV  Data Storage Adapter DSA (II,IV) CSP card Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV) WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Buffer adapter wraps failed. Replace Data Storage Adapter, Disk Adapter Card and CSP. Check after each. If that fails to correct problem then go to Channel isolation procedure 155 in the MIM

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2111	A1D2 A1G2 A1B2 A1A2 A1E2  A1F2 B1-G   A1C2 A1-BD	66 18 2 2 1  2 2   2 1	92X3294 92X3293 92X6495 92X7256 92X3296 92X3295 92X7255 92X3222 92X7231 21F4225 21F4226 92X7256 92X7243	Data Storage Adapter CSP card DSA (II,IV) Dsk Adptr Cd (II,IV) WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Dsk Adptr Cd (II,III,IV) A1 Board	DSA card test of the disable DLC interrupt functional test. Replace Data Storage Adapter card first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM.
2112	A1D2 A1G2 A1B2 A1A2 A1C2 A1F2 A1E2  B1-G   A1-BD	66 18 2 2 2 2 2  2   1	92X3294 92X3293 92X6495 92X7256 92X7256 92X7255 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243	Data Storage Adapter CSP card DSA (II,IV) Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV) WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Data Storage Adapter card timer test failed. Replace Data Storage Adapter card first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM.
2120	A1D2 A1C2 B1-G   - > > > > - A1D2 A1G2 A1B2 A1A2 A1C2 A1F2 A1E2  B1-G  A1-BD	66 30 2      66 18 2 2 2 2 2  2  1	92X3294 92X3224 92X3222 92X7231 21F4225 21F4226      92X3294 92X3293 92X6495 92X7256 92X7256 92X7255 92X3296 92X3295 21F4225 21F4226 92X7243	Data Storage Adapter Disk Adapter Card MS Card 1MB MS Card 2MB MS Card 1MB (III) MS Card 2MB (III)  5363 II, IV  Data Storage Adapter CSP card DSA (II,IV) Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV) WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Parity Check test failed.           The Data Storage Adapter card failed the DLC Control Block Test. Replace DSA1 card first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
2130	A1D2	65	92X3294	Data Storage Adapter	Diskette DLC wraps failed. ReIPL before replacing any FRUs. See diskette failures in the MIM. Check +5v before replacing any FRUs.	
	Dskt Dr	5	6369881	Diskette Drive Asm		
	Bse Pwr	4	1035350	Base Power Supply		
	A1G2	3	92X3293	CSP card		
	A1F2	2	92X3221	WS/Panel Cd.		
	A1E2	2	92X3296	WS Controller feature		
	B1-G	2	92X3222	MS Card 1MB		
				92X7231		MS Card 2MB
				21F4225		MS Card 1MB (III)
				21F4226		MS Card 2MB (III)
	A1C2	2	92X3224	Disk Adapter Card		
	A1-BD	1	92X7243	A1 Board		
	-					
	> > > >			> > > >		5363 II, IV
	-					
	A1D2	66	92X3294	Data Storage Adapter		
	A1G2	18	92X3293	CSP card		
	A1B2	2	92X6495	DSA (II,IV)		
	A1G2					
	A1A2	2	92X7256	Dsk Adptr Cd (II,IV)		
	A1C2	2	92X7256	Dsk Adptr Cd (II,III,IV)		
A1F2	2	92X7255	WS/Panel Cd. (II,IV)			
A1E2	2	92X3296	WS Controller feature			
			92X3295	WS Pass Through		
B1-G			21F4225	MS Card 1MB (III,IV)		
			21F4226	MS Card 2MB (III,IV)		
A1-BD	1	92X7243	A1 Board			
Bse Pwr	1	1035807	Base Power Supply (II,II)			
2150	A1D2	95	92X3294	Data Storage Adapter	The Data Storage Adapter card wraps complete, loader failed. Replace DSA card and CSP first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM.	
	B1-G	2	92X3222	MS Card 1MB		
				92X7231		MS Card 2MB
				21F4225		MS Card 1MB (III)
				21F4226		MS Card 2MB (III)
	-					
	> > > >			> > > >		5363 II, IV
	-					
	A1D2	66	92X3294	Data Storage Adapter		
	A1G2	18	92X3293	CSP card		
	A1B2	2	92X6495	DSA (II,IV)		
	A1A2	2	92X7256	Dsk Adptr Cd (II,IV)		
	A1C2	2	92X7256	Dsk Adptr Cd (II,III,IV)		
	A1F2	2	92X7255	WS/Panel Cd. (II,IV)		
	A1E2	2	92X3296	WS Controller feature		
			92X3295	WS Pass Through		
B1-G			21F4225	MS Card 1MB (III,IV)		
			21F4226	MS Card 2MB (III,IV)		
A1-BD	1	92X7243	A1 Board			

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2200	A1B2 A1G2 A1C2 A1A2 A1D2 A1F2 A1E2  B1-G   A1-BD	66 18 2 2 2 2 2  2   1	92X6495 92X3293 92X7256 92X7256 92X3294 92X7255 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243	DSA (II,IV) CSP card Dsk Adptr Cd (II,III,IV) Dsk Adptr Cd (II,IV) Data Storage Adapter WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Data Storage Adapter card not found. Channel failure. Go to channel isolation procedure 155 in the MIM.
2210	> > > > - A1B2 A1G2 A1A2 A1C2 A1D2 A1F2 A1E2  B1-G   A1-BD	  66 18 2 1 2 2 2  2   1	> > > >  92X6495 92X3293 92X7256 92X7256 92X3294 92X7255 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243	5363 II, IV  DSA (II,IV) CSP card Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV) Data Storage Adapter WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Data Storage Adapter card test of IOCS command replace DSA card first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM. Verify correct disk adapter card level installed.
2211	A1B2 A1G2 A1A2 A1D2 A1F2 A1E2  B1-G   A1-BD A1C2	66 18 2 2 2 2  2   1 1	92X6495 92X3293 92X7256 92X3294 92X7255 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243 92X7256	DSA (II,IV) CSP card Dsk Adptr Cd (II,IV) Data Storage Adapter WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board Dsk Adptr Cd (II,III,IV)	Data Storage Adapter card test of the disable DLC interrupt functional test. Replace DSA card first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2212	A1B2 A1G2 A1A2 A1D2 A1F2 A1E2 B1-G A1-BD A1C2	66 18 2 2 2 2 2 1 1	92X6495 92X3293 92X7256 92X3294 92X7255 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243 92X7256	DSA (II,IV) CSP card Dsk Adptr Cd (II,IV) Data Storage Adapter WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board Dsk Adptr Cd (II,III,IV)	Data Storage Adapter card timer test failed. Replace DSA2 card first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM.
2220	A1B2 A1G2 A1A2 A1D2 A1F2 A1E2 B1-G A1-BD A1C2	66 18 2 2 2 2 2 2 1	92X6495 92X3293 92X7256 92X3294 92X7255 92X7255 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243 92X3224 92X7256	DSA (II,IV) CSP card Dsk Adptr Cd (II,IV) Data Storage Adapter WS/Panel Cd. (II,IV) WS/Panel Cd. (II,IV) WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board Disk Adapter Card Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter card failed the DLC control block test Replace the DSA card first. If that fails to fix the problem go to channel isolation. procedure 155 in the MIM.
2230	A1B2 A1G2 A1A2 A1D2 A1F2 A1E2 B1-G A1-BD A1C2	66 18 2 2 2 2 2 1 1	92X6495 92X3293 92X7256 92X3294 92X7255 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243 92X3224 92X7256	DSA (II,IV) CSP card Dsk Adptr Cd (II,IV) Data Storage Adapter WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board Disk Adapter Card Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter card failed clear, initialize, and sense register test. Replace the DSA card first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2250	A1B2 A1G2 A1A2 A1D2 A1F2 A1E2 B1-G A1C2 A1-BD	66 18 2 2 2 2 2 1 1	92X6495 92X3293 92X7256 92X3294 92X3221 92X3295 92X3296 92X3222 92X7231 21F4225 21F4226 92X3224 92X7256 92X7243	DSA (II,IV) CSP card Dsk Adptr Cd (II,IV) Data Storage Adapter WS/Panel Cd. WS Pass Through WS Controller feature MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Disk Adapter Card Dsk Adptr Cd (II,III,IV) A1 Board	The Data Storage Adapter card wraps complete, Loader failed. Replace DSA card and CSP card first. If that fails to fix the problem go to channel isolation procedure 155 in the MIM.
22A0					--IPL Disk Loader-- Failure before 1st load. Reload PC diskette code. See procedure 121 in the MIM.
22A1	A1C2 Drive A DL card Drive A DL card Drive A DL card	80 5 10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	No valid alternate. See procedure 121 in the MIM.
22A2	A1C2 Drive A DL card Drive A DL card Drive A DL card	50 20 30	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Timeout error. See procedure 121 in the MIM.
22A3	A1C2 A1D2	60 35	92X3224 92X7256 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter	Channel interface error. Check top card connector before replacing any FRUs. See procedure 121 in the MIM.
22A4	A1C2 A1D2	50 45	92X3224 92X7256 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter	DPC parity error. See procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
22A5	A1C2 Drive A DL card Drive A DL card Drive A DL card A1D2 A1B2	60 10 15    5	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Data Storage Adapter DSA (II,IV)	DMA parity error. Reseat cable J26&27 and top card connector and reIPL with wraps. See procedure 121 in the MIM. Ensure all board switches are correctly set. See Procedure 342 in the MIM.
22A6	A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27	45 15 25    14	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable	Cable continuity error. Reseat cable J26&27 and reIPL with wraps. See procedure 121 in the MIM.
22A7	A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27	60 10 20    7	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable	Loader media error. Exchange Disk Adapter card first. If problem continues see procedure 121 in the MIM.
22A8	Drive A DL card Drive A DL card Drive A DL card A1C2	30 40    30	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Drive error. Reseat cable Reseat cable J26&27 and ReIPL with wraps. See procedure 121 in the MIM.
22A9					-- DISK LOAD COMPLETE Code loaded was invalid. Reload microcode. See procedure 121 in the MIM.
2400	Program				CDKTABLE not found, CSU diskette is bad.
2401	Program				SYSTEM CONSOLE entry n in TEMP UDT.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2402	Program				DISK entry not in TEMP UD Check Top card connector. Ensure board switches are correctly set. See procedure 342 in the MIM.
2403	Program				MSP entry not in TEMP UD
2404	Program				SYSTEM entry not in TEMP UDT.
2405	Program				WSC entry not in TEMP UD
240A	Program				MSP entry not in SYSTEM UDT.
240C	Program				WSC entry not in SYSTEM UDT.
240E	Program				2K bad page entry.
240F	Program				SYSTEM entry not in SYSTE UDT.
2410	Program				Invalid WSC inboard/out- board ID in UDT.
2411	Program				Diskette read error, CSU diskette is bad.
2412	Program				Disk read error. Run disk problem determination procedures.
2414	Program				Incorrect IPL option, reIPL.
2416	Program				No bus coupler present (WSC feature not installed /removed correctly)
2417	Program				Wrong bus coupler initial address loaded as the WSC bus coupler.
2418	Program				Invalid CE Panel value for the IPL mode.
2450	Program				Module not found on diskette. Diskette is bad.
2451	Program				Module too large to load.
2452	Program				Diskette I/O error or invalid control block. Diskette is bad.
2453	Program				Load module not found on diskette.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2454	Program				TU not found in load module.
2455	Program				Diskette I/O error. Diskette is bad.
2456	Program				Function not supported.
2457	Program				Wrong diskette inserted.
2458	Program				CSU verification supervisor not found. Ensure that @PCIOOSS is customized to disk.
2459	Program				Bad Main Store 2K Page. Found in area required for 16 workstations.
24A0	Custmiz Program				Unresolved extern associated with RLD type 7
24A1	Custmiz Program				RLD type 7 extern references an entry in a relocatable module.
24A2	Custmiz Program				Diskette has wrong P/N. Verify LEVEL table and diskette P/N.
24A3	Custmiz Program				Microcode level table does not exist.
24A4	Custmiz				CSDIR table is full.
24A5	Custmiz				Entry table is full.
24A6	Custmiz Program				A module has an overlay module that is not in the CSDIR.
24A7	Custmiz Program				A module has an overlay module that is incorrectly defined.
24A8	Custmiz Program				All guaranteed good sectors are used.
24A9	Custmiz Program				Microcode has exceeded disk space allowed. Increase size of CSLIB.
24AA	Custmiz Program				An external label could not be resolved.
24AC	Custmiz Program				Invalid external label type associated with RLD.
24AE	Custmiz Program				Invalid XTRN2 type for RLD type.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
24AF	Custmiz Program				A required module could not be found in the CSDIR.
24C0	Custmiz Program				Machine check log work area is not in the CSDIR.
24C1	Custmiz Program				An oxref module ID is not found in the CSDIR.
24C2	Custmiz Program				Invalid RLD type.
24C3	Custmiz Program				Exceeded space allowed for RLD data.
24C4	Custmiz Program				Extern table is full.
24C5	Custmiz Program				Exceeded space allowed for RLD data.
24C6	Custmiz Program				Dependency table not found Verify \$DEPEND on DSKT2.
24C7	Custmiz Program				Invalid dependency table operation value.
24C8	Custmiz Program				A dependency entry cannot be found.
24C9	Custmiz Program				A base module referenced by the dependency table could not be found.
24CA	Custmiz Program				The relocatable RLD table is full.
24CC	Custmiz Program				Diskette I/O error.
24E3	Custmiz Program				The RPQ table in the microcode level table is full.
24E4	Custmiz Program				The first message library is not on the diskette.
24E5	Custmiz Program				The second message library is not on the diskette.
24E6	Custmiz Program				The third message library is not on the diskette.
24E7	Custmiz Program				The fourth message library is not on the diskette.
24E8	Custmiz Program				The display code is not on the microcode diskette.
24E9	Custmiz Program				The PARM table is not on the microcode diskette.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
24EA	Custmiz Program				An invalid screen number was specified or screen not found.
24EE	Custmiz Program				An invalid message number was specified or message not found.
24EF	Custmiz Program				Diskette I/O error.
24FF	Custmiz Program				Program error.
2702	B1-CD/S B1-G  B1-A Featpwr  B1-BD A1-BD	40 35  5	xxxxxxx 92X3222 92X7231 21F4225 21F4226 92X7359 1035808 1035809 92X7240 92X7243	Feature Card/s MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Feat. Pwr Supply (II,III Eur/Mid-East/Afr (II,III Feature board A1 Board	Intermittent errors or IOP Feature is inactive and timed out or IOP Feature Software Error if offset PCIBERRNM in (MS ADD 10021-22) PCIB is not zero call for software support and run APAR to collect data. Power off system, Re-IPL. If error continues see Procedure 156 for Feature Isolation.
270E	Program				Invalid tape volume sequence check Wrong tape volume
270F	Program				Wrong tape type. DC 300 tape not supported
2710	Program				Command not valid
2711	Program				End of Volume encountered normal - completion.
2713	Program				Invalid command modifier.
2714	Program				Invalid tape data length associated with command.
2716	Program				Invalid command in write mode.
2717	Program				Invalid command in read mode.
2718	Program				Invalid command with file open.
2719	Program				Invalid command with file closed.
271A	Program				Invalid command with file suspended.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
271C	Program				Invalid command with tape at beginning of tape.
271E	Program				Invalid command with file not suspended.
271F	Program				Invalid command sequence.
2721	Program				Invalid command invalid label.
2723	Program				Command not valid with tape not at Gap 0.
2726	Program				Invalid file number specified.
2728	Program				Indeterminate error
2729	T card T Unit TapeCbl B1-A	40 40 5 5	92X7443 92X4180 21F4128 92X7359	Tape Adpt Cd Tape Unit 125 MB Tape Adapter Cbl Feature IOP	Subsystem Interface error.
272A	Program				MSP buffer not large enough on a read / write block command.
272b	T Unit Program	95	92X4180	Tape Unit 125 MB	Data block contains invalid data on a read command.
272F	Program				File is on previous tape volume. * Wrong tape cartridge, file not on this tape.
2734	Program				Data length shorter than requested.
2735	T Unit T card B1-A Program	85 10 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Invalid volume ID * Blank cartridge or not IBM SL format. Run Tape OLPD.
2736	T Unit Program	95	92X4180	Tape Unit 125 MB	LEOT found searching for label. * Wrong cartridge, file not on tape.
2738	T Unit T card B1-A Program	85 10 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	File block counter not equal to count in trailer label or block descriptor * IOCH code.
2739	T Unit T card B1-A Program	85 10 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Invalid header label Cartridge not IBM format.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
273A	T Unit	95	92X4180	Tape Unit 125 MB	Beginning of tape found, but not expected.
273b	T Unit T card B1-A Program	85 10 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Invalid trailer label  Cartridge not IBM format.
273C	Program				Previous device-to-device op failed.
273d	T Unit Program	95	92X4180	Tape Unit 125 MB	Invalid file mark encountered Cartridge not IBM format.
273E	T Unit T card B1-A Program	85 10 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Invalid tape format/Length
273F	Program				Write attempted without retension or erase.
2741	T Unit T card B1-A	55 40 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Bad parity on tape bus during read * Run tape OLPD. Reseat card and cable before replacing FRU'S.
2743	T Unit T card B1-A	55 40 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Timeout waiting for command termination * Run tape OLPD. Reseat cable before replacing FRU'S.
2745	Program				Data length longer than requested.
2746	T Unit T card B1-A	75 20 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Exception is on unexpectedly * Run tape OLPD. Reseat card and cable before replacing FRU's.
2747	T Unit T card B1-A	50 40 7	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Drive not ready to accept command * Run tape OLPD. Reseat card and cable before replacing FRU's.
2748	T Unit T card B1-A	50 40 5	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	No ready response when command issued * Run tape OLPD. Reseat card and cable before replacing FRU'S.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2750	T Unit T card B1-A Featpwr	60 30 5 3	92X4180 92X7443 92X7359 1035808 1035809	Tape Unit 125 MB Tape Adpt Cd Feature IOP Feat. Pwr Supply (II,III Eur/Mid-East/Afr (II,III	Reset command failed to reset interface. * Run tape OLPD. Reseat card and cable before replacing FRU's.
2751	T Unit T card B1-A	85 10 2	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Reset command failed * Run tape OLPD. Reseat card and cable before replacing FRU'S.
2766	Media T Unit	90 5	----- 92X4180	Tape Cartridge Tape Unit 125 MB	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.
2768	Media T Unit	90 5	----- 92X4180	Tape Cartridge Tape Unit 125 MB	EOM detected while executing command * If unable to separate media/operator/hardware run tape OLPD.
2769	Media T Unit	90 5	----- 92X4180	Tape Cartridge Tape Unit 125 MB	Read error. No data detected & EOM detected.
276b	Media T Unit	90 5	----- 92X4180	Tape Cartridge Tape Unit 125 MB	Read error. Bad block transferred. * If unable to separate media/operator/hardware run tape OLPD.
276d	Media T Unit	90 5	----- 92X4180	Tape Cartridge Tape Unit 125 MB	Read error. No data detected & BOM detected/ * If unable to separate media/operator/hardware run tape OLPD.
2770	T card T Unit	60 30	92X7443 92X4180	Tape Adpt Cd Tape Unit 125 MB	Illegal Tape command specified * Run tape OLPD. Reseat card and cable before replacing FRU'S.
2771	T card T Unit B1-A	65 30 2	92X7443 92X4180 92X7359	Tape Adpt Cd Tape Unit 125 MB Feature IOP	Bad parity on Tape bus during write * Run tape OLPD. Reseat card and cable before replacing FRU'S.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2772	Media T Unit Featpwr	70 30 10	----- 92X4180 1035808 1035809	Tape Cartridge Tape Unit 125 MB Feat. Pwr Supply (II,III Eur/Mid-East/Afr (II,III	Catastrophic error. * Media potential. Verify cartridge turns freely. Run tape OLPD. Possibly invalid blank tape. Try new tape and/or save data in different sequence.
2773	T Unit T card B1-A	50 35 12	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Unexpected exception (status byte) condition Invalid status from drive. Run Tape OLPD.
2774	T Unit	95	92X4180	Tape Unit 125 MB	Unexpected power On/Reset detected
2781	Oper T Unit	90 5	----- 92X4180	Operator error Tape Unit 125 MB	* 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.
27A6	Oper T Unit	80 15	----- 92X4180	Operator error Tape Unit 125 MB	Tape file protected on write operation * Inspect cartridge case to verify the media is wound on both reels and is visible through the door on the cartridge. If unable to separate media/operator/hardware run tape OLPD.
27E0	T Unit T card B1-A	55 30 10	92X4180 92X7443 92X7359	Tape Unit 125 MB Tape Adpt Cd Feature IOP	Self Test Invalid format results returned from drive * Run tape OLPD. Reseat card and cable before replacing FRU'S.
27E1	T Unit Media	95	92X4180 -----	Tape Unit 125 MB Tape Cartridge	Self Test Speed or Sensor error encountered. * Verify the media is wound on both reels and is visible through the door on the cartridge. Verify the cartridge is installed correctly.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
27F0	T card	95	92X7443	Tape Adpt Cd	Adapter error Reseat card and cable before replacing FRU's.
27F2	Program				Displayed OLPD screen is invalid with this SRC.
27F5	T card	95	92X7443	Tape Adpt Cd	Adapter error. Reseat card.
27F7	Program				Undetermined error during OLPD wraps.
27F9	T Unit	95	92X4180	Tape Unit 125 MB	Tape Unit error.
27Fb	T Unit	95	92X4180	Tape Unit 125 MB	File mark not read during OLPD.
27FC	T Unit T card	75 25	92X4180 92X7443	Tape Unit 125 MB Tape Adpt Cd	Data compare error during OLPD.
27Fd	B1-CD/S B1-G  B1-A Featpwr  B1-BD A1-BD	40 35  15 5	xxxxxxx 92X3222 92X7231 21F4225 21F4226 92X7359 1035808 1035809 92X7240 92X7243	Feature Card/s MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Feat. Pwr Supply (II,III Eur/Mid-East/Afr (II,III Feature board A1 Board	Cartridge not write protected during OLPD.
2800 to 28FF					Ref S/36 Optical Storage Support MIM. RPQ 841790
3006	A1C2 A1D2 - > > > > - A1A2 A1C2 A1B2	60 35   34 34 30	92X3224 92X3294  > > > >  92X7256 92X7256 92X6495	Disk Adapter Card Data Storage Adapter  5363 II, IV  Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV) DSA (II,IV)	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See procedure 121 in the MIM.
300b	A1C2 A1D2 - > > > > - A1A2 A1C2 A1B2	60 35   34 34 30	92X3224 92X3294  > > > >  92X7256 92X3224 92X6495	Disk Adapter Card Data Storage Adapter  5363 II, IV  Dsk Adptr Cd (II,IV) Disk Adapter Card DSA (II,IV)	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
301E	A1C2	60	92X3224	Disk Adapter Card	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See procedure 121 in the MIM.
	A1D2	35	92X3294	Data Storage Adapter	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1A2	34	92X7256	Dsk Adptr Cd (II,IV)	
3032	A1C2	60	92X3224	Disk Adapter Card	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See procedure 121 in the MIM.
	A1D2	35	92X3294	Data Storage Adapter	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1A2	34	92X7256	Dsk Adptr Cd (II,IV)	
	A1C2	34	92X3224	Disk Adapter Card	
	A1B2	30	92X6495	DSA (II,IV)	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
3035	A1C2	60	92X3224	Disk Adapter Card	Have customer run Build procedure. Permanent disk error. Dump could not be taken. Re-IPL with wraps before replacing any FRUs. Replace Disk Adapter Card and Data Storage Adapter card first. If that fails to fix the problem, go to Procedure 121 in the MIM.	
	A1D2	30	92X3294	Data Storage Adapter		
	Drive A	2	69X6909	Disk Drive A 65MB		
	DL card	3	6370793	65Mb Drive Logic Card		
	Drive A		92X7320	Disk Drive A 105MB		
	DL card		6370951	105Mb Drive Logic Card		
	or					
	Drive B		69X6909	Disk Drive B 65MB		
	DL card		6370793	65Mb Drive Logic Card		
	Drive B		92X7320	Disk Drive B 105MB		
	DL card		6370951	105Mb Drive Logic Card		
	-					
	> > > >			> > > >		5363 II, IV
	-					
	A1A2	34	92X7256	Dsk Adptr Cd (II,IV)		
	A1C2	34	92X7256	Dsk Adptr Cd (II,III,IV)		
	A1B2	20	92X6495	DSA (II,IV)		
	Drive A	4	69X6909	Disk Drive A 65MB		
	DL card	6	6370793	65Mb Drive Logic Card		
	Drive A		92X7320	Disk Drive A 105MB		
	DL card		6370951	105Mb Drive Logic Card		
	Drive A		21F4250	Disk Drive A 314MB		
	DL card		21F4580	314Mb Drive Logic Card		
	or					
	Drive B		69X6909	Disk Drive B 65MB		
	DL card		6370793	65Mb Drive Logic Card		
	Drive B		92X7320	Disk Drive B 105MB		
	DL card		6370951	105Mb Drive Logic Card		
	Drive B		21F4250	Disk Drive B 314MB		
	DL card		21F4580	314Mb Drive Logic Card		
	or					
	Drive C		69X6909	Disk Drive C 65MB		
DL card		6370793	65Mb Drive Logic Card			
Drive C		92X7320	Disk Drive C 105MB			
DL card		6370951	105Mb Drive Logic Card			
Drive C		21F4250	Disk Drive C 314MB			
DL card		21F4580	314Mb Drive Logic Card			
or						
Drive D		69X6909	Disk Drive D 65MB			
DL card		6370793	65Mb Drive Logic Card			
Drive D		92X7320	Disk Drive D 105MB			
DL card		6370951	105Mb Drive Logic Card			
Drive D		21F4250	Disk Drive D 314MB			
DL card		21F4580	314Mb Drive Logic Card			

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
3039	A1F2 A1E2	75 15	92X3221 92X7255 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Pass Through	The work station controller proc checked and error status could not be logged. ReIPL and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRU.
3043	A1C2 A1D2  - > > > > - A1A2 A1C2 A1B2	60 35   34 34 30	92X3224 92X3294   92X7256 92X7256 92X6495	Disk Adapter Card Data Storage Adapter  5363 II, IV Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV) DSA (II,IV)	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See procedure 121 in the MIM.
3049					Work station error. System dump could not be taken due to error with work station controller. ReIPL with wraps.
304A					Diskette error during system dump. ReIPL with wraps.
304C	A1C2 A1D2  - > > > > - A1A2 A1C2 A1B2	60 35   34 34 30	92X3224 92X3294   92X7256 92X7256 92X6495	Disk Adapter Card Data Storage Adapter  5363 II, IV Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV) DSA (II,IV)	Permanent disk error or work station error. ReIPL with wraps before replacing any FRUs.
30CA	A1C2 A1D2  - > > > > - A1A2 A1C2 A1B2	60 35   34 34 30	92X3224 92X3294   92X7256 92X7256 92X6495	Disk Adapter Card Data Storage Adapter  5363 II, IV Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV) DSA (II,IV)	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
30F1					Permanent disk error during condense of system library. ReIPL with wraps before replacing any FRUs.
3220	B1-A B1-CD/S	80 20	92X7359 xxxxxxx	Feature IOP Feature Card/s	Parity check in system. Check for OEM cards Installed on B1 board. OEM cards not supported by IBM. See Procedure 156 for Feature Isolation.
3221	B1-G  B1-A A1J2 B1-CD/S	40  30 20 10	92X3222 92X7231 21F4225 21F4226 92X7359 92X3291 xxxxxxx	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP MSP data flow card Feature Card/s	Parity check in feature IOP. Check for OEM cards Installed. OEM cards not supported by IBM. See Procedure 156 for Feature Isolation.
3222	B1-G  B1-A B1-CD/S	45  30 20	92X3222 92X7231 21F4225 21F4226 92X7359 xxxxxxx	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Feature Card/s	ECC multiple bit error or parity check in system. Check for OEM cards installed on B1-BD. OEM cards not supported by IBM. See Procedure 156 for Feature Isolation.
4E00 to 4F1F	LAN cd B1-A LAN Program	50 30 19 01	83X9147 92X7359 PC P/N -----	Token Ring Adapter Card Feature IOP Token Ring Ntwk Hrdw LAN Program	TR Adapter Card, IOP feature card, TR cables or Access unit. Failure Run OLPD. Call for software service.
4F40	Program	99			Failure in OLPD Program - Call for software service.
4F45	Program	99			#LANLIB not found or Diag not in #LANLIB - Reapply LAN Communication Licence Program support.
4F48	LAN cbl LAN cd	70 29	6339098 83X9147	Token Ring Adapter Cable Token Ring Adapter Card	Token Ring Adapter cable or Token Ring Adapter failure.
4F49	LAN cbl	99	6339098	Token Ring Adapter Cable	Token Ring Adapter Cable Failure.
4F4A	LAN Hdw	99	-----	Token Ring Access Unit	Access Unit Failure
4F4b	P cable	99	-----	Token Ring Patch Cable	Token Ring Patch Cable Failure

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
4F63	LAN cd	99	83X9147	Token Ring Adapter Card	Adapter Configuration wrong, not present or failing on Line 9.
4F64	LAN cd	99	83X9147	Token Ring Adapter Card	Adapter Configuration wrong, not present or failing on line 10.
4F65	Program	99			Code error. - Reload Dskt 61 and Dskt 62.
4F70	LAN cd B1-BD	98 1	83X9147 92X7240	Token Ring Adapter Card Feature board	Token Ring Adapter Failure on Line 9 B1 Board.
4F71	NONE				Token Ring Adapter Failed on Line 9 - Run OLPD
4F72	NONE				Token Ring Beacon Signal present on Line 9 - Run OLPD
4F73	NONE				Token Ring Signal Loss on Line 9 - Run OLPD.
4F74	LAN cd B1-BD	98 1	83X9147 92X7240	Token Ring Adapter Card Feature board	Token Ring Adapter Failing on Line 10 or B1 Board failing. Run OLPD.
4F75	NONE				Token Ring Adapter Failed on Line 10 - Run OLPD.
4F76	NONE				Token Ring Beacon Signal present on Line 10 - Run OLPD
4F77	NONE				Token Ring Signal loss on Line 10 - Run OLPD.
4F86 to 4F99	LAN cd B1-A LAN Program	50 30 19 01	83X9147 92X7359 PC P/N -----	Token Ring Adapter Card Feature IOP Token Ring Ntwk Hrdw LAN Program	TR Adapter Card. - Run OLPD Call for software service.
5099					Module not found on diskette or diskette I/O error. Diskette 61 is bad or not in the drive.
50CE					The UDT is bad. Diskette 61 is bad or not in drive.
5100					An error occurred on the display station address X on port Y. Options are: 0 to bypass, 1 to retry.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
51CE					MSP error. Diskette is bad or not in the drive.
5200					The work station printer address X on port Y has an unrecoverable error. Options are: 0 to bypass
5210					The work station printer address X on port Y has a machine check. Options: 0 to bypass, 1 to retry.
5226					The work station printer address X on port Y has a graphic check. Options: 0 to bypass, 1 to retry.
5230					The work station printer address X on port Y has a print check. Options: 0 to bypass, 1 to retry.
5240					The work station printer address X on port Y has a forms check. Options: 0 to bypass, 1 to retry.
5247					The work station printer address X on port Y has a paper jam. Options are: 0 to bypass, 1 to retry.
5250					The work station printer address X on port Y is out of forms. Options: 0 to bypass, 1 to retry.
5251					The work station printer address X on port Y is not ready. Options are: 0 to bypass, 1 to retry.
5288					The work station printer address X on port Y has a ribbon jam. Options: 0 to bypass, 1 to retry.
52CE					PMSDIF not found. Dskt is bad or not in the drive.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
5362					CSU pass 1 completed correctly. The CPU mainframe functions correctly. The system console is either not attached or not working.
5CCE					The system console has an error.
6301	Featpwr B1-G  A1G2 B1-CD/S A1-BD B1-BD - > > > > - Featpwr B1-G  A1G2 B1-CD/S A1-BD B1-BD	80 6  5 4 3 1   80  5 4 3 1	1035395 1035526 92X3222 92X7231 21F4225 21F4226 92X3293 xxxxxxx 92X7243 92X7240      1035808 1035809 21F4225 21F4226 92X3293 xxxxxxx 92X7243 92X7240	Feature Power Supply Europe/Mid-East/Africa MS Card 1MB MS Card 2MB MS Card 1MB (III) MS Card 2MB (III) CSP card Feature Card/s A1 Board Feature board      5363 II, IV  Feat. Pwr Supply (II,III Eur/Mid-East/Afr (II,III MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card Feature Card/s A1 Board Feature board	Test 0C PWR 2 Good not found Reference Feature Isolation Procedure 156.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
6302	B1-A	80	92X7359	Feature IOP	Test 0D IOP Feature clock not running  Reference Feature Isolation Procedure 156.
	B1-G	6	92X3222	MS Card 1MB	
			92X7231	MS Card 2MB	
			21F4225	MS Card 1MB (III)	
			21F4226	MS Card 2MB (III)	
	Featpwr	3	1035395	Feature Power Supply	
	A1G2	4	92X3293	CSP card	
	B1-CD/S	3	xxxxxxx	Feature Card/s	
	B1-BD	2	92X7240	Feature board	
	A1-BD	1	92X7243	A1 Board	
	-				
	> > >		> > >	5363 II, IV	
	-				
	B1-A	80	92X7359	Feature IOP	
B1-G	6	21F4225	MS Card 1MB (III,IV)		
		21F4226	MS Card 2MB (III,IV)		
Featpwr	3	1035808	Feat. Pwr Supply (II,III)		
		1035809	Eur/Mid-East/Afr (II,III)		
A1G2	4	92X3293	CSP card		
B1-CD/S	3	xxxxxxx	Feature Card/s		
B1-BD	2	92X7240	Feature board		
A1-BD	1	92X7243	A1 Board		
6303	B1-G	80	92X3222	MS Card 1MB	Test 0E Channel Check Bit Not wrapped. Reference Feature Isolation Procedure 156.
			92X7231	MS Card 2MB	
			21F4225	MS Card 1MB (III,IV)	
			21F4226	MS Card 2MB (III,IV)	
	A1G2	14	92X3293	CSP card	
	B1-CD/S	2	xxxxxxx	Feature Card/s	
	A1-BD	2	92X7243	A1 Board	
B1-BD	1	92X7240	Feature board		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
6304	B1-A B1-G  B1-CD/S Featpwr  B1-BD A1G2 A1-BD - > > > > - B1-A B1-G  B1-CD/S Featpwr  B1-BD A1G2 A1-BD	30 1  24 5  1 1 1    25 25  25 10  1 1 1	92X7359 21F4225 21F4226 92X3222 92X7231 xxxxxxx 1035395 1035526 92X7240 92X3293 92X7243  > > > >  92X7359 21F4225 21F4226 xxxxxxx 1035808 1035809 92X7240 92X3293 92X7243	Feature IOP MS Card 1MB (III) MS Card 2MB (III) MS Card 1MB MS Card 2MB Feature Card/s Feature Power Supply Europe/Mid-East/Africa Feature board CSP card A1 Board  5363 II, IV  Feature IOP MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature Card/s Feat. Pwr Supply (II,III Eur/Mid-East/Afr (II,III Feature board CSP card A1 Board	Test of IOP Feature failed to reset Channel Check Bit. Reference Feature Isolation Procedure 156.
6305	B1-G  A1G2 A1-BD B1-BD	80  16 2 1	92X3222 92X7231 21F4225 21F4226 92X3293 92X7243 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board Feature board	Test 1A IL7 Bit not wrapped 0
6306	B1-G  A1G2 A1-BD B1-BD	80  16 2 1	92X3222 92X7231 21F4225 21F4226 92X3293 92X7243 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board Feature board	Test 1B IL7 Bit not wrapped 1
6307	B1-G  B1-A T card A1G2 A1-BD B1-BD	65  15 10 7 2 1	92X3222 92X7231 21F4225 21F4226 92X7359 92X7353 92X3293 92X7243 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Tape Adpt Cd CSP card A1 Board Feature board	Test 1D IL1 not received or Interrupt Control Register Enable of IL7 Bit could not be wrapped.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
6308	B1-A B1-G  ARTIC LAN cd	50 25  10 10	92X7359 92X3222 92X7231 21F4225 21F4226 60X8192 83X9147	Feature IOP MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Realtime Co-Proc(ARTIC) Token Ring Adapter Card	Test 1C IL7 Interrupt failed Reference Feature Isolation Procedure 156.
6309	B1-G  A1F2  A2-BD B1-BD	90  5  3 1	92X3222 92X7231 21F4225 21F4226 92X3221 92X7255  92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) WS/Panel Cd. WS/Panel Cd. (II,IV)  Feature board	Test 1C CSP Inactive Line not valid
630A	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Test 2 Channel Check Bit not Detected extra bits off.
630b	B1-G  T card	98  2	92X3222 92X7231 21F4225 21F4226 92X7353	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Tape Adpt Cd	Test 3A ATR Registers and base ATR Window Wrap failed
630C	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Test 3B ATR Register wrap 0-F failed
630d	B1-G  B1-A ARTIC B1-BD	80  15 3 1	92X3222 92X7231 21F4225 21F4226 92X7359 60X8192 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Realtime Co-Proc(ARTIC) Feature board	Test 4A ATR CSP Write/IOP read failed address lines 13-16
630E	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Test 4B ATR CSP Write/IOP Read Failed address lines 0-12
630F	B1-G  B1-A ARTIC B1-BD	80  15 3 1	92X3222 92X7231 21F4225 21F4226 92X7359 60X8192 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Realtime Co-Proc(ARTIC) Feature board	Test 5 MS Data wrap failed address lines.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
6310	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Test 6 Failed to receive IL1 on MS Arbitration test.
6311	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Test 7 ECC NMI Parity test failed.
6312	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Test 8 MS Page address lines 13-22 Failed
6313	B1-G  B1-A ARTIC B1-BD	80  15 3 1	92X3222 92X7231 21F4225 21F4226 92X7359 60X8192 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Realtime Co-Proc(ARTIC) Feature board	Test 9 ATR Window relocation Failed
6316	B1-G  B1-A B1-CD/S B1-BD	80  15 3 1	92X3222 92X7231 21F4225 21F4226 92X7359 xxxxxxx 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Feature Card/s Feature board	Unlatch address lines 17-19. Test failed Reference Feature Isola- tion Procedure.
6320	B1-G  B1-A B1-CD/S B1-BD	50  30 15 4	92X3222 92X7231 21F4225 21F4226 92X7359 xxxxxxx 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP Feature Card/s Feature board	IOP Feature unknown NMI detected
6321	B1-A B1-G	99	92X7359 92X3222 92X7231 21F4225 21F4226	Feature IOP MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	IOP Feature Memory Parity Error
6322	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	IOP Feature Detected Shared Memory ECC Parity error

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
6340	B1-A B1-CD/S	50 10	92X7359 xxxxxxx	Feature IOP Feature Card/s	IOP Feature general loader error Replace DSKT 61. If error continues reference Feature Isolation Procedure 156.
6341	B1-A B1-CD/S	50 10	92X7359 xxxxxxx	Feature IOP Feature Card/s	IOP Feature 80286 Exception Error Replace DSKT 61. If error continues reference Feature Isolation Procedure 156.
6342	B1-A B1-CD/S	50 10	92X7359 xxxxxxx	Feature IOP Feature Card/s	IOP Feature detected Invalid BIOS request Replace DSKT 61. If error continues reference Feature Isolation Procedure 156.
6343	B1-G  B1-CD/S A1G2 A1-BD B1-BD	60  20 15 2 1	92X3222 92X7231 21F4225 21F4226 xxxxxxx 92X3293 92X7243 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature Card/s CSP card A1 Board Feature board	IOP Feature detected Diagnostic test error See Mim Procedure 156 for feature isolation.
6350	B1-G  A1G2 A1-BD B1-BD	80  16 2 1	92X3222 92X7231 21F4225 21F4226 92X3293 92X7243 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board Feature board	IL1 Will not reset
6351	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Test 6 Memory arbitration 1 Failure background value invalid.
6352	B1-G  B1-CD/S A1G2 A1-BD B1-BD	50  20 10 5 5	92X3222 92X7231 21F4225 21F4226 xxxxxxx 92X3293 92X7243 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature Card/s CSP card A1 Board Feature board	Test 6 Memory arbitration 2 Failure IOP Feature Didn't write next byte See MIM Procedure 156 for feature isolation.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
6353	B1-G	99	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Test 8 Invalid read from MS Written by IOP feature
6355	B1-CD/S B1-G  B1-A A1-BD B1-BD	50 25  20 1 1	xxxxxxx 92X3222 92X7231 21F4225 21F4226 92X7359 92X7243 92X7240	Feature Card/s MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature IOP A1 Board Feature board	Intermittent errors or IOP feature is inactive and timed out or IOP Feature Software Error If offset PCIBERNM in (MS Address 10021-22) PCIB is not zero call for software support. Run APAR to collect data else, power off system. RE-IPL, if error continues see MIM procedure 156 for feature isolation.
6360	Program				Diskette I/O Read or open failure on IOP files. Replace DSKT 61 and 62 and Re-customize.
6361	Program				Disk I/O Read or open failure on IOP files line not Replace DSKT 61 and 62 and Re-customize.
6362	B1-G  B1-CD/S B1-A B1-BD	60  20 15 1	92X3222 92X7231 21F4225 21F4226 xxxxxxx 92X7359 92X7240	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature Card/s Feature IOP Feature board	IOP feature detected Load error Replace DSKT 61 and 62 and Re-customize system. If error continues refer- ence Feature Isolation Procedure 156 in the MIM.
6380	Program				Umdetermined Main Storage or Feature IOP Error.
7151	Program				Work station error code program problem. SNA function not supported (work station display)
7154					Undefined remote error. (work station display) Run communications problem determination. Determine failing line from system message.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
7156	Program				Work station error code program problem. SNA state error. (work station display)
7157	Program				Work station error code program problem. SNA RH usage error. (work station display)
7158	Program				Work station error code program problem. SNA path error. (work station display)
7163	Program				Work station error code program problem. Undefined data link protocol (DLP) detected error. (work station display)
7164	Program				Work station error code program problem. Request-on-line received. (work station display)
7165					DLP time-out condition. (work station display) Run communications problem determination. Determine failing line from system message.
7166					Severe line degradation. (work station display) Run communications problem determination. Determine failing line from system message.
7167	Program				Work station error code program problem. Protocol violation. (work station display)
7168					Permanent DLP hardware error. (work station display) Run communications problem determination. Determine failing line from system message.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
7169					SNA request not valid. (work station display) Run communications problem determination. Determine failing line from system message.
716A	Program				Work station error code program problem. DLP communication error. (work station display)
716b					DLP communication reset. (work station display) Run communications problem determination. Determine failing line from system message.
7251	Program				Work station error code program problem. SNA function not supported (work station printer)
7254					Undefined remote error. (work station printer) Run communications problem determination. Determine failing line from system message.
7255	Program				Work station error code program problem. Change direction sent to printer. (work station printer)
7256	Program				Work station error code program problem. SNA state error. (work station printer)
7257	Program				Work station error code program problem. SNA RH usage error. (work station printer)
7258	Program				Work station error code program problem. SNA path error. (work station printer)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
7263	Program				Work station error code program problem. Undefined data link protocol (DLP) detected error. (work station printer)
7264	Program				Work station error code program problem. Request-on-line received. (work station printer)
7265					DLP time-out condition. (work station printer) Run communications OLPD. Determine failing line from system message.
7266					Severe line degradation. (work station printer) Run communications OLPD Determine failing line from system message.
7267	Program				Work station error code program problem. Protocol violation. (work station printer)
7268					Permanent DLP hardware error. (work station printer) Run communications OLPD. Determine failing line from system message.
7269	Program				Work station error code program problem. SNA request not valid. (work station printer)
726A	Program				Work station error code program problem. DLP communication error. (work station printer)
726b					DLP communication reset. (work station printer) Run communications OLPD. Determine failing line from system message.
7A00	A1G2 A1F2	40 40	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	OLB bits stuck on CSP

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8101					Premature end of the data stream detected. (work station display)
8102	Program				Work station error code program problem. Invalid row/column address (work station display)
8103	Program				Work station error code program problem. Fields not defined in ascending address order. (work station display)
8104	Program				Work station error code program problem. Either there is an escape character missing or there is an invalid command code after an escape character. (work station display)
8105	Program				Work station error code program problem. Invalid start field length (work station display)
8106	Program				Work station error code program problem. Invalid start field address. (work station display)
8107	Program				Work station error code program problem. A restore command has been sent to the wrong display or incomplete data has been sent with the restore command. (work station display)
8108	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)

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
8109	Program				Work station error code program problem. Format table overflow. Too many input fields have been defined. (work station display)
8110	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				Work station error code program problem. Start of header length does not equal 3. (work station display)
8112	Program				Work station error code program problem. Roll parameter error. Invalid data following a roll command has been detected. (work station display)
8113	Program				Work station error code program problem. Missing or invalid start field attribute or field format word. (work station display)
8114	Program				Work station error code program problem. Invalid load display station storage command. (work station display)
8115	Program				Work station error code program problem. Invalid clear unit alternate parameter. (work station display)
8116	Program				Work station error code program problem. Invalid structured field length. (work station display)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8117	Program				Work station error code program problem. Invalid structured field class or type value. (work station display)
8118	Program				Work station error code program problem. Invalid structured field parameter value. (work station display)
8127	Program				Work station error code program problem. Invalid data stream command in WP mode. (work station display)
8128	Program				Work station error code program problem. Invalid data stream command in DP mode.
8129	Program				Work station error code program problem. Command not allowed to display with unlocked Keyboard.
8130	Program				Work station error code program problem. Command not valid for specified display (IGC (EPOCH), or data entry or Katakana Keyboard)
8131	Program				Work station error code program problem. Invalid field length. An invalid input field length has been detected on the display screen. (work station display)
8132	Program				Work station error code program problem. Resequence error. There is an invalid resequencing field control word in the format table. (work station display)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8134	Program				Work station error code program problem. Shift character omission or misplacement in an IGC open field. (work station display)
8142	Program				Work station error code program problem. Invalid data stream byte count of a request to configure a new work station. (work station display)
8143	Program				Work station error code program problem. Invalid work station unit address. (work station display)
8144	Program				Work station error code program problem. Unit address already configured. (work station display)
8145	Program				Work station error code program problem. Attempt to configure to 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 16, with Ext Inpt Flds only 8 will be allowed. (work station display)
8160	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				Work station error code program problem. IOB command modifier is invalid. (work station display)

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
8162	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				Work station error code program problem. Invalid unit address. (work station display)
8164	Program				Work station error code program problem. Byte count for read fields not equal to number of field positions. (work station display)
8166	Program				Work station error code program problem. Display station in error mode. (work station display)
8167	Program				Work station error code program problem. Display station not in session. (work station display)
8169	Program				Work station error code program problem. Not ready caused by operator error mode or system request mode. (work station display)
8170	Program				Work station error code program problem. Read issued to unlocked keyboard. (work station display)
8220	Program				Work station error code program problem. Invalid byte count specified for Read Text Screen command.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
8221	Program				Work station error code program problem. Invalid WSCF Command in WP mode.
8222	Program				Work station error code program problem. Invalid WSCF Command in DP mode.
8260	Program				Work station error code program problem. Value greater than 4096 in length field of printer IOB. (work station printer)
8261	Program				Work station error code program problem. IOB modifier is invalid. (work station printer)
8262	Program				Work station error code program problem. Invalid byte count in printer IOB. (work station printer)
8263	Program				Work station error code program problem. Invalid unit address in unit address field of printer IOB. (work station printer)
8265	Program				Work station error code program problem. Print buffer not available (work station printer)
8266	Program				Work station error code program problem. Printer in error mode. (work station printer)
8267	Program				Work station error code program problem. Printer not in session. (work station printer)
8269	Program				Work station error code program problem. Cancel request. (work station printer)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
8305	Program				Work station error code program problem. State error. Command not allowed in Operator Error mode or System Reset mode.
9901	Bse Pwr	20	1035350	Base Power Supply	If after replacing base power supply, problem persists, see Power Procedure 420 in the MIM.
	A1-BD	10	92X7243	A1 Board	
	Drive A	5	69X6909	Disk Drive A 65MB	
	DL card	5	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Dskt Dr	10	6369881	Diskette Drive Asm	
	A1D2	10	92X3294	Data Storage Adapter	
	B1-G	5	92X3222	MS Card 1MB	
			92X7231	MS Card 2MB	
			21F4225	MS Card 1MB (III)	
			21F4226	MS Card 2MB (III)	
	A1E2	4	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	A1J2	3	92X3291	MSP data flow card	
	A1H2	3	92X3292	MSP control card	
	A1G2	3	92X3293	CSP card	
	A1F2	3	92X3221	WS/Panel Cd.	
	A1C2	3	92X3224	Disk Adapter Card	
	Powercd	1	2453011	6ft line cord U.S. only	
	Fan	1	4236949	Cooling fan	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	Bse Pwr	20	1035807	Base Power Supply (II,II)	
	Drive A	5	69X6909	Disk Drive A 65MB	
	DL card	5	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	A1F2	3	92X7255	WS/Panel Cd. (II,IV)	
	A1C2	3	92X7256	Dsk Adptr Cd (II,III,IV)	



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
990C	Bse Pwr Pwr SW Pwr Cbl A1F2 B1-G  Featpwr	30 20 20 10 10  10	1035350 92X3310 92X3314 92X3221 92X3222 92X7231 21F4225 21F4226 1035395	Base Power Supply Actuator on/off Actuator Cable Asm WS/Panel Cd. MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature Power Supply	System will not power down and the system is operational. See Power Procedures in MIM. This condition indicates the Panel card failed power on. Reference Control Panel Procedure
A000					Unexpected error, Re-customize and/or use a new set of diskettes. If problem persists, Reference Procedure 121 in MIM.
A001					Unexpected error, Re-customize and/or use a new set of diskettes. If problem persists, Reference Procedure 121 in MIM.
A1A8					No valid alternate table. See procedure 121 in the MIM.
A1A9	A1C2 A1D2 Drive A DL card Drive A DL card Drive A DL card	50 30 5 5    5	92X3224 92X7256 92X3294 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Permanent drive A error. See Procedure 121 in the MIM.
A1AA					No UDT found. reIPL with wraps. See procedure 121 in the MIM.
A1Ab	A1C2 A1D2 A1B2	60 30 5	92X3224 92X7256 92X3294 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter DSA (II,IV)	Invalid command. Reseat cable J26&27 and reIPL with wraps before replacing FRUs.
A1AC	J26&27		92X3300	Disk Cable	Cable continuity error. Reseat cable J26&27 and reIPL with wraps.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
A1Ad	Drive A DL card Drive A DL card Drive A DL card A1C2	30 40    30	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Drive error.  ReIPL with wraps before replacing any FRUs.
A1AE	A1C2  Drive A DL card Drive A DL card Drive A DL card A1D2	50  10 30   10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Data Storage Adapter	Media error. Reference Disk Procedures in MIM.
A1AF	A1C2  A1D2 Drive A DL card Drive A DL card Drive A DL card or Drive B DL card Drive B DL card Drive B DL card	40  40 5 5       5 5	92X3224 92X7256 92X3294 69X6909 6370793 92X7320 6370951 21F4250 21F4580  69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card  Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Interface error. Reference Disk Procedures in MIM.
A1b0					DCP IOB error See Procedure 121 in the MIM.
A1b2					Invalid alternate table was detected. See Procedure 121 in the MIM.
A1C1					Work station I/O data stream error. Ensure the console is powered on. ReIPL with a different diskette.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
A1C2	A1F2 A1E2	95 5	92X3221 92X7255 92X3296	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature	Work station hardware Verify that microcode diskettes and SSP being used are the same level. Verify that the address terminal switches are set correctly.
A1C3					Work station functional microcode not found. Could be a failing diskette or misconfigured disk or diskette. If there have not been any changes made to your disk or diskette, you may have a hardware error. See Procedures 121 in the MIM.
A1E0					DCP Printer I/O error. This SRC is displayed as of the DCP WS I/O error screen.
AF90					-- DISK LOADER ENTRY Unexpected error. ReIPL with wraps. See Procedure 121 in the MIM.
AFA0					Disk Loader Entry SRC Unexpected error. ReIPL with wraps. See Procedure 121 in the MIM.
AFA1	A1C2 Drive A DL card Drive A DL card Drive A DL card	80 5 10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	No valid alternate. Initialize Drive A before replacing any FRUs. See Procedure 121 in the MIM.
AFA2	A1C2 Drive A DL card Drive A DL card Drive A DL card	50 15 40	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Timeout error. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AFA3	A1C2 A1D2	60 35	92X3224 92X7256 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter	Channel interface error. Check top card connector before replacing any FRUs. See Procedure 121 in the MIM.
AFA4	A1C2 A1D2	45 45	92X3224 92X7256 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter	DPC parity error. See Procedure 121 in the MIM.
AFA5	A1C2 Drive A DL card Drive A DL card Drive A DL card A1D2	60 5 15    10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Data Storage Adapter	DMA parity error. Reseat cable J26&27 and top card connector and reIPL with wraps. See Procedure 121 in the MIM.
AFA6	A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27	45 10 30    10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable	Cable continuity error. Reseat cable J26&27 & re- IPL with wraps. See Procedure 121 in the MIM.
AFA7	A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27	65 10 20    2	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable	Loader media error. Exchange Disk Adapter card first. Then go to procedure 121 in the MIM.
AFA8	Drive A DL card Drive A DL card Drive A DL card A1C2	30 35    30	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Drive error. Reseat cable J26&27 & reIPL with wraps.  See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AFA9					-- DISK LOAD COMPLETE Code loaded was invalid. Reload microcode. See Procedure 121 in the MIM.
AFF2					Unexpected interrupt on Interrupt Level 2. Devices on this interrupt: CSP (Interval Timer)
AFF4					Unexpected interrupt on Interrupt Level 4 Attempt to restart the current operation. Devices on this interrupt: Work Station Adapter Data Storage Adapter
b500					Invalid IPL option. Check that diskette is correct or diskette may be bad.
b501					Invalid IPL option, Check that diskette is correct or diskette may be bad.
b504					Invalid IPL option, F0xx and F1xx not allowed with reload IPL.
C000					Default wrap supervisor halt code- ReIPL.
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. See Procedure 121 in the MIM.
C003					Primary system reference code table entry missing. Misconfigured or bad disk or diskette. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C004					Secondary system reference code table entry missing. Misconfigured or bad disk or diskette. See Procedure 121 in the MIM.
C1F0	T card B1-A B1-BD	85 10 5	92X7353 92X7359 92X7240	Tape Adpt Cd Feature IOP Feature board	Adapter Error Run OLPD. * Reseat card and cable.
C1F5	T card B1-A B1-BD	85 10 5	92X7353 92X7359 92X7240	Tape Adpt Cd Feature IOP Feature board	Tape Adapter card bad or missing.
C1F7	Program				Undetermined return code from tape adapter during IPL wraps.
C1F8	T card B1-A B1-BD	85 5 5	92X7443 92X7359 92X7240	Tape Adpt Cd Feature IOP Feature board	Adapter Error Run OLPD. * Reseat card and cable.
C1Fd	T card B1-A B1-BD	85 5 5	92X7443 92X7359 92X7240	Tape Adpt Cd Feature IOP Feature board	Tape Adapter card bad or missing.
C1FE	T Unit T card TapeCbl	60 10	92X4180 92X7443 21F4128	Tape Unit 125 MB Tape Adpt Cd Tape Adapter Cbl	Tape Drive failed Wraps - Self test 1
C1FF	Program				Undetermined return code from tape adapter during IPL wraps.
C201	B1-G	95	92X3222 92X7231 21F4225 21F4226	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV)	Bad 2 KB main storage page.
C500	A1F2  Wrkstn WS cbl A1E2	74  15 5 5	92X3221 92X7255 ----- 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV)  Twinax/IBM cbl system WS Controller feature WS Pass Through	The work station adapter card failed to poll the system console. Verify that another workstation on port 0 is not at same address as console. Reference Local Workstation Procedures in the MFM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C601	A1E2 A1F2	95 4	92X3296 92X3295 92X3221 92X7255	WS Controller feature WS Pass Through WS/Panel Cd. WS/Panel Cd. (II,IV)	The work station controller was unable to perform an initial address load operation. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
C602	A1E2 A1F2	95 4	92X3296 92X3295 92X3221 92X7255	WS Controller feature WS Pass Through WS/Panel Cd. WS/Panel Cd. (II,IV)	The work station controller was unable to perform a sense data buffer operation. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
C603	A1E2 A1F2	95 4	92X3296 92X3295 92X3221 92X7255	WS Controller feature WS Pass Through WS/Panel Cd. WS/Panel Cd. (II,IV)	The work station controller was unable to perform a load cycle steal counter operation. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
C604	A1E2 A1F2 A1G2	90 4 1	92X3296 92X3295 92X3221 92X7255 92X3293	WS Controller feature WS Pass Through WS/Panel Cd. WS/Panel Cd. (II,IV) CSP card	The work station controller failed the processor interrupt test. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
C606	A1E2 A1F2 A1G2	59 37 1	92X3296 92X3295 92X7255 92X3221 92X3293	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel 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 isolation
C608	A1E2 A1F2 A1G2	90 7 1	92X3296 92X3295 92X7255 92X3221 92X3293	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd. CSP card	The work station controller failed the interrupt structure test. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
C609	A1E2 A1F2 A1G2	90 7 1	92X3296 92X3295 92X7255 92X3221 92X3293	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd. CSP card	The work station controller failed the pacer/block length test. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C610	A1E2	65	92X3296	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd. CSP card	The work station controller failed the branch instruction test. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
	A1F2	30	92X3295 92X7255 92X3221		
	A1G2	1	92X3293		
C611	A1E2	94	92X3296 92X3295	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd.	The work station controller failed the register instruction test. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
	A1F2	5	92X7255 92X3221		
C612	A1E2	94	92X3296 92X3295	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd.	The work station controller failed the arithmetic instruction test. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
	A1F2	5	92X7255 92X3221		
C613	A1E2	94	92X3296 92X3295	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd.	The work station controller failed the register to storage instruction test. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
	A1F2	5	92X7255 92X3221		
C614	A1E2	90	92X3296 92X3295	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd.	The work station controller failed the channel processor check test. If FRUs fail to fix the problem, go to MIM 155 Channel isolation.
	A1F2	5	92X7255 92X3221		
C615	A1E2	94	92X3296 92X3295	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd.	The work station controller failed the new attachment controller micro instruction test. If FRUs fail to fix the problem, go to MIM 155 Channel Isolation
	A1F2	5	92X7255 92X3221		
C616	A1E2	94	92X3296 92X3295	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd.	The work station controller failed the base displacement instruction test. If FRUs fail to fix the problem, go to MIM 155 Channel Isolation.
	A1F2	5	92X7255 92X3221		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C617	A1E2 A1F2	94 5	92X3296 92X3295 92X7255 92X3221	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel 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 Isolation.
C618	A1E2 A1F2	94 5	92X3296 92X3295 92X7255 92X3221	WS Controller feature WS Pass Through WS/Panel Cd. (II,IV) WS/Panel Cd.	The work station controller failed its storage test. If FRUs fail to fix the problem, go to MIM 155 Channel Isolation.
C8b9					Unexpected check code found in SRC field in Comm configuration file. ReIPL.
C8bA	SDLC cd B1-BD BSC1 cd	80 10 10	8286099 92X7240 8286098	SDLC card Feature board Prim BSC Card	IPL wraps failed. Replace FRU.
C8bb	BSC1 cd B1-BD SDLC cd Featpwr	70 10 10 10	8286098 92X7240 8286099 1035808	Prim BSC Card Feature board SDLC card Feat. Pwr Supply (II,III)	IPL wraps failed. Replace FRU. If that fails to fix the problem go to procedure 420 in the MIM.
C8bC	BSC2 cd B1-BD	80 20	8286098 92X7240	Secondary BSC Card Feature board	IPL wraps failed. Replace FRU.
C8bd	BSC1 cd SDLC cd ASY2 cd B1-BD	30 30 30 10	8286098 8286099 8286147 92X7240	Prim BSC Card SDLC card Secondary Async card Feature board	Comm BSC1/SDLC/ASY2 ca on B1-Board. Ipl wraps failed. Replace FRU.
C8bE	B1-BD SDLC cd BSC1 cd	50 25 25	92X7240 8286099 8286098	Feature board SDLC card Prim BSC Card	Before changing FRUs, reseal both SDLC and BSC1 cards on B1-Board and re-IPL. If the problem still exists, then replace FRUs accordingly or bad configuration.
C8C9	ASY1 cd B1-BD	90 10	8286147 92X7240	Primary Async Card Feature board	IPL wraps failed Replace FRU
C8CA	ASY2 cd B1-BD	90 10	8286147 92X7240	Secondary Async card Feature board	IPL wraps failed

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C8Cb	ARTIC RS-232C	75 25	60X8192 58X7285	Realtime Co-Proc(ARTIC) Line 3(Port A) elec Int.	Verify the electrical interface board configuration has not changed since the last time the Auto-Configure program was run. If it has, rerun the Auto-Configure program, if it hasn't IPL wraps have failed. Replace FRUs accordingly.
C8CC	ARTIC RS-232C	75 25	60X8192 58X7285	Realtime Co-Proc(ARTIC) Line 4(Port B) elec Int.	Verify the electrical interface board configuration has not changed since the last time the Auto-Configure program was run. If it has, rerun the Auto-Configure program, if it hasn't IPL wraps have failed. Replace FRUs accordingly.
C8Cd	ARTIC V.35	75 25	60X8192 58X7287	Realtime Co-Proc(ARTIC) Line 3(Port A) elec Int.	Verify the electrical interface board configuration has not changed since the last time the Auto-Configure program was run. If it has, rerun the Auto-Configure program, if it hasn't IPL wraps have failed. Replace FRUs accordingly.
C940					Program error during disk initialize. ReIPL and run disk initialize again.
C941					UDT error during disk initialize. ReIPL, run configure, and run disk initialization again.
C942					Disk initialize module could not be loaded. Make sure IPL diskette is properly loaded in drive. ReIPL and run disk initialize again.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C950					UDT error during disk initialize. ReIPL, and run disk initialization again.
C951	A1C2 Drive A DL card Drive A DL card J26&27 Bse Pwr A1D2 A1-BD - > > > > - A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27 Bse Pwr A1B2 A1-BD	40 10 20  8 5 5 2   40 10 20  8 5 5 5 2	92X3224 69X6909 6370793 92X7320 6370951 92X3300 1035350 92X3294 92X7243  > > > >  92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300 1035350 1035807 92X6495 92X7243	Disk Adapter Card Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Cable Base Power Supply Data Storage Adapter A1 Board  5363 II, IV  Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable Base Power Supply Base Power Supply (II,II) DSA (II,IV) A1 Board	Permanent Drive A error.  Ensure that cable J26&27 is correctly seated. Check for +5V and +12V on drive A power cbl. Check jumper for correct position on drive. See Disk Procedure in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C952	A1C2	40	92X3224	Disk Adapter Card	Permanent Drive B error.  Ensure that cable J26&27 is correctly seated. Check for +5V and +12V on drive B power cbl. Check jumper for correct in the MIM.
	Drive B	10	69X6909	Disk Drive B 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	J26&27	8	92X3300	Disk Cable	
	Bse Pwr	5	1035350	Base Power Supply	
	A1D2	5	92X3294	Data Storage Adapter	
	A1-BD	2	92X7243	A1 Board	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1C2		92X7256	Dsk Adptr Cd (II,III,IV)	
	Drive B	10	69X6909	Disk Drive B 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
Drive B		21F4250	Disk Drive B 314MB		
DL card		21F4580	314Mb Drive Logic Card		
J26&27	8	92X3300	Disk Cable		
Bse Pwr	5	1035350	Base Power Supply		
		1035807	Base Power Supply (II,II)		
A1B2	5	92X6495	DSA (II,IV)		
A1-BD	2	92X7243	A1 Board		
C953	A1C2	45	92X3224	Disk Adapter Card	Permanent Drive A error. See procedure 121 in the MIM.
	Drive A	20	69X6909	Disk Drive A 65MB	
	DL card	25	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	A1D2	5	92X3294	Data Storage Adapter	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1C2	50	92X7256	Dsk Adptr Cd (II,III,IV)	
	Drive A	20	69X6909	Disk Drive A 65MB	
	DL card	25	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	A1B2	5	92X6495	DSA (II,IV)	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C954	Drive A	30	69X6909	Disk Drive A 65MB	No alternative sector is available on track for Drive A cylinder 0. See Procedure 121 in the MIM.
	DL card	40	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	A1C2	25	92X3224	Disk Adapter Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	Drive A	30	69X6909	Disk Drive A 65MB	
	DL card	40	6370793	65Mb Drive Logic Card	
Drive A		92X7320	Disk Drive A 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive A		21F4250	Disk Drive A 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1C2	25	92X7256	Dsk Adptr Cd (II,III,IV)		
C955	Drive A	30	69X6909	Disk Drive A 65MB	Number of defects is over the limit for initializing Drive A. See Procedure 121 in the MIM.
	DL card	35	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	A1C2	30	92X3224	Disk Adapter Card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	Drive A	30	69X6909	Disk Drive A 65MB	
	DL card	35	6370793	65Mb Drive Logic Card	
Drive A		92X7320	Disk Drive A 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive A		21F4250	Disk Drive A 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1C2	30	92X7256	Dsk Adptr Cd (II,III,IV)		
C956	A1C2	50	92X3224	Disk Adapter Card	Permanent Drive B error. See Procedure 121 in the MIM.
	Drive B	20	69X6909	Disk Drive B 65MB	
	DL card	25	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	A1D2	3	92X3294	Data Storage Adapter	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1C2	50	92X7256	Dsk Adptr Cd (II,III,IV)	
Drive B	20	69X6909	Disk Drive B 65MB		
DL card	25	6370793	65Mb Drive Logic Card		
Drive B		92X7320	Disk Drive B 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive B		21F4250	Disk Drive B 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1B2	5	92X6495	DSA (II,IV)		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C957	Drive B	30	69X6909	Disk Drive B 65MB	No alternate sector is available on track for Drive B cylinder 0. See Procedure 121 in the MIM.
	DL card	40	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	A1C2	25	92X3224	Disk Adapter Card	
	-				
> > > >		> > > >	5363 II, IV		
-					
Drive B	30	69X6909	Disk Drive B 65MB		
DL card	40	6370793	65Mb Drive Logic Card		
Drive B		92X7320	Disk Drive B 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive B		21F4250	Disk Drive B 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1C2	25	92X7256	Dsk Adptr Cd (II,III,IV)		
C958	Drive B	30	69X6909	Disk Drive B 65MB	Number of defects is over the limit for initializing Drive B. See Procedure 121 in the MIM.
	DL card	35	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	A1C2	30	92X3224	Disk Adapter Card	
	-				
> > > >		> > > >	5363 II, IV		
-					
Drive B	30	69X6909	Disk Drive B 65MB		
DL card	35	6370793	65Mb Drive Logic Card		
Drive B		92X7320	Disk Drive B 105MB		
DL card		6370951	105Mb Drive Logic Card		
Drive B		21F4250	Disk Drive B 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1C2	30	92X7256	Dsk Adptr Cd (II,III,IV)		
C95A	Drive A	45	69X6909	Disk Drive A 65MB	Disk drive model or size is not recognized for Drive A. If program is prepared to recognize the installed drives, Drive A is failing. See Procedure 121 in the MIM.
	DL card	50	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
Program					
C95b	Drive B	45	69X6909	Disk Drive B 65MB	Disk drive model or size is not recognized for Drive B. If program is prepared to recognize the installed drives, Drive B is failing. See Procedure 121 in the MIM.
	DL card	50	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
Program					

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C95C	Drive A DL card Drive A DL card Drive A DL card	42 47	69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Defect map from Drive A is damaged or missing. See Procedure 121 in the MIM.
C95d	Drive B DL card Drive B DL card Drive B DL card	42 47	69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Defect map from Drive B is damaged or missing. See Procedure 121 in the MIM.
C963	> > > > - A1A2 Drive C DL card Drive C DL card Drive C DL card A1B2	50 20 25  5	> > > >  92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495	5363 II, IV  Dsk Adptr Cd (II,IV) Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card DSA (II,IV)	Permanent Drive C error. See procedure 121 in the MIM.
C964	> > > > - Drive C DL card Drive C DL card Drive C DL card A1A2	30 40   25	> > > >  69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256	5363 II, IV  Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,IV)	No alternate sector is available on track for Drive C cylinder 0. See Procedure 121 in the MIM.
C965	> > > > - Drive C DL card Drive C DL card Drive C DL card A1A2	30 35   30	> > > >  69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256	5363 II, IV  Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,IV)	Number of defects is over the limit for initializing Drive C. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C966	>>>>		>>>>	5363 II, IV	Permanent Drive D error. See procedure 121 in the MIM.
	-				
	A1A2	50	92X7256	Dsk Adptr Cd (II,IV)	
	Drive D	20	69X6909	Disk Drive D 65MB	
	DL card	25	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
Drive D		21F4250	Disk Drive D 314MB		
DL card		21F4580	314Mb Drive Logic Card		
A1B2	2	92X6495	DSA (II,IV)		
C967	>>>>		>>>>	5363 II, IV	No alternate sector is available on track for Drive D cylinder 0. See Procedure 121 in the MIM.
	-				
	Drive D	30	69X6909	Disk Drive D 65MB	
	DL card	40	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
DL card		21F4580	314Mb Drive Logic Card		
A1A2	25	92X7256	Dsk Adptr Cd (II,IV)		
C968	>>>>		>>>>	5363 II, IV	Number of defects is over the limit for initializing Drive D. See Procedure 121 in the MIM.
	-				
	Drive D	30	69X6909	Disk Drive D 65MB	
	DL card	35	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
DL card		21F4580	314Mb Drive Logic Card		
A1A2	30	92X7256	Dsk Adptr Cd (II,IV)		
C96A	>>>>		>>>>	5363 II, IV	Disk Drive model or size is not recognized for Drive C. If program is prepared to recognize the installed drives, Drive C is failing. See Procedure 121 in the MIM.
	-				
	Drive C	45	69X6909	Disk Drive C 65MB	
	DL card	50	6370793	65Mb Drive Logic Card	
	Drive C		92X7320	Disk Drive C 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive C		21F4250	Disk Drive C 314MB	
DL card		21F4580	314Mb Drive Logic Card		
Program					
C96b	>>>>		>>>>	5363 II, IV	Disk Drive model or size is not recognized for Drive D. If program is prepared to recognize the installed drives, Drive D is failing. See Procedure 121 in the MIM.
	-				
	Drive D	45	69X6909	Disk Drive D 65MB	
	DL card	50	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
DL card		21F4580	314Mb Drive Logic Card		
Program					

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C96C	> > > > - Drive C DL card Drive C DL card Drive C DL card	42 47	> > > > 69X6909 6370793 92X7320 6370951 21F4250 21F4580	5363 II, IV Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card	Defect map from Drive C is damaged or missing.  See Procedure 121 in the MIM.
C96d	> > > > - Drive D DL card Drive D DL card Drive D DL card	42 47	> > > > 69X6909 6370793 92X7320 6370951 21F4250 21F4580	5363 II, IV Disk Drive D 65MB 65Mb Drive Logic Card Disk Drive D 105MB 105Mb Drive Logic Card Disk Drive D 314MB 314Mb Drive Logic Card	Defect map from Drive D is damaged or missing.  See Procedure 121 in the MIM.
C970	A1C2 A1B2 A1C2 A1D2 Drive A DL card Drive A DL card Drive A DL card or Drive B DL card Drive B DL card Drive B DL card	70 5 10 2 3	92X3224 92X6495 92X7256 92X3294 69X6909 6370793 92X7320 6370951 21F4250 21F4580  69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card DSA (II,IV) Dsk Adptr Cd (II,III,IV) Data Storage Adapter Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card  Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Adapter register writes and reads failed. See Procedure 121 in the MIM.
C971	A1C2 A1D2	80 15	92X3224 92X7256 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter	Interrupt test failed. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C972	A1C2 Drive A DL card Drive A DL card Drive A DL card or Drive B DL card Drive B DL card Drive B DL card J26&27	60 10 20          5	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580  69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card  Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card Disk Cable	IPL disk adapter card failed. Reseat cable J26&27 and reIPL with wraps before replacing A1C2. See Procedure 121 in the MIM.
C973	A1C2 Drive A DL card Drive A DL card Drive A DL card or Drive B DL card Drive B DL card Drive B DL card	45 15 25          	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580  69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card  Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Seek and scan test failed. See Procedure 121 in the MIM.
C974	A1C2 Drive A DL card Drive A DL card Drive A DL card	70 10 15    	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Format CE Cylinder failed. See Procedure 121 in the MIM.
C975	A1C2 Drive A DL card Drive A DL card Drive A DL card A1D2 A1B2	50 10 20     10 5	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Data Storage Adapter DSA (II,IV)	Local write and read test failed. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C976	A1C2 Drive A DL card Drive A DL card Drive A DL card A1D2 A1B2	55 10 20 5 5	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Data Storage Adapter DSA (II,IV)	Write and read one sector failed. See Procedure 121 in the MIM.
C977	Drive A DL card Drive A DL card Drive A DL card A1C2	30 40 30	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Multi-sector write and read failed. See Procedure 121 in the MIM.
C978	A1C2	99	92X3224 92X7256	Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Inverted ECC test failed. See Procedure 121 in the MIM.
C979	A1C2	99	92X3224 92X7256	Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Check corrections test failed. See Procedure 121 in the MIM.
C980	A1C2 A1D2 Drive B DL card Drive B DL card Drive B DL card A1B2	80 10 2 3 5	92X3224 92X7256 92X3294 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card DSA (II,IV)	Adapter register writes and reads failed. See Procedure 121 in the MIM.
C981	A1C2 A1D2	80 15	92X3224 92X7256 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter	Interrupt test failed. See Procedure 121 in the MIM.
C982	A1C2 Drive B DL card Drive B DL card Drive B DL card	60 15 20	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	IPL disk adapter card failed. Reseat cable J26&27 & reIPL with wraps before replacing A1C2 See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C983	A1C2 Drive B DL card Drive B DL card Drive B DL card	50 20 25	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Seek and scan test failed. See procedure 121 in the MIM.
C984	A1C2 Drive B DL card Drive B DL card Drive B DL card	70 10 15	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Format CE Cylinder failed. See Procedure 121 in the MIM.
C985	A1C2 Drive B DL card Drive B DL card Drive B DL card A1D2	50 15 20 10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card Data Storage Adapter	Local write and read test failed. See Procedure 121 in the MIM.
C986	A1C2 Drive B DL card Drive B DL card Drive B DL card A2D2	60 10 20 5	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Write and read one sector failed. See Procedure 121 in the MIM.
C987	Drive B DL card Drive B DL card Drive B DL card A1C2	30 40 30	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256	Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Multi-sector write and read failed. If drive has been initialized, replace A1C2 and reIPL with wraps. If still a problem initialize Drive B and rerun wraps before replacing Drive B. See Procedure 121 in the MIM.
C988	A1C2	99	92X3224 92X7256	Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Inverted ECC test failed. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C989	A1C2	99	92X3224 92X7256	Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Check corrections test failed. See Procedure 121 in the MIM.
C990	A1C2 A1B2 A1D2 Drive A DL card Drive A DL card Drive A DL card or Drive B DL card Drive B DL card Drive B DL card	70 10 5 10	92X3224 92X7256 92X6495 92X3294 69X6909 6370793 92X7320 6370951 21F4250 21F4580 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) DSA (II,IV) Data Storage Adapter Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Disk adapter bad or not found. Replace adapter. If error continues, see Procedure 121 in the MIM. This failure could also occur when wrong level A1F2 has been installed.
C991	A1F2 A1B2	99	92X3221 92X7255 92X6495	WS/Panel Cd. WS/Panel Cd. (II,IV) DSA (II,IV)	Verify card part number. WS Panel (II) card can only be used in a 5363 II, IV.
C99A	Drive A DL card Drive A DL card Drive A DL card A1C2 A1D2	35 40 5 5	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256 92X3294	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter	Read of alternate sector table to adapter RAM failed. See Procedure 121 in the MIM.
C99b	Drive B DL card Drive B DL card Drive B DL card A1C2 A1D2	35 40 5 5	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256 92X3294	Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter	Read of alternate sector table to adapter RAM failed. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C99C	A1C2	50	92X3224	Disk Adapter Card	Recalibrate test to drive failed. See Procedure 121 in the MIM.
			92X7256	Dsk Adptr Cd (II,III,IV)	
	Drive A	15	69X6909	Disk Drive A 65MB	
	DL card	25	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
Drive B		21F4250	Disk Drive B 314MB		
DL card		21F4580	314Mb Drive Logic Card		
C99d	Drive B	20	69X6909	Disk Drive B 65MB	Recalibrate test to drive failed. See Procedure 121 in the MIM.
	DL card	30	6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	A1C2	40	92X3224	Disk Adapter Card	
		92X7256	Dsk Adptr Cd (II,III,IV)		
C9A7	A1C2	60	92X3224	Disk Adapter Card	IPL disk adapter card failed. Reseat cable J26&27 and reIPL with wraps before replacing A1C2. See Procedure 121 in the MIM.
			92X7256	Dsk Adptr Cd (II,III,IV)	
	Drive A	10	69X6909	Disk Drive A 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
Drive B		21F4250	Disk Drive B 314MB		
DL card		21F4580	314Mb Drive Logic Card		
J26&27	5	92X3300	Disk Cable		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CA70	A1C2	80	92X7256	Dsk Adptr Cd (II,III,IV)	Adapter register writes and reads failed. See Procedure 121 in the MIM.
	A1B2	10	92X6495	DSA (II,IV)	
	Drive A	2	69X6909	Disk Drive A 65MB	
	DL card	3	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
DL card		21F4580	314Mb Drive Logic Card		
CA71	A1C2	40	92X7256	Dsk Adptr Cd (II,III,IV)	Interrupt test failed. See Procedure 121 in the MIM.
	A1A2	40	92X7256	Dsk Adptr Cd (II,IV)	
	A1B2	15	92X6495	DSA (II,IV)	
CA72	A1C2	60	92X7256	Dsk Adptr Cd (II,III,IV)	IPL disk adapter card failed. Reseat cable J26&27 and reIPL with wraps before replacing A1C2. See Procedure 121 in the MIM
	Drive A	10	69X6909	Disk Drive A 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
J26&27	5	92X3300	Disk Cable		
CA73	A1C2	45	92X7256	Dsk Adptr Cd (II,III,IV)	Seek and scan test failed. See Procedure 121 in the MIM.
	Drive A	20	69X6909	Disk Drive A 65MB	
	DL card	25	6370793	65Mb Drive Logic Card	
	Drive A		92X7320	Disk Drive A 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive A		21F4250	Disk Drive A 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive B		69X6909	Disk Drive B 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive B		92X7320	Disk Drive B 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive B		21F4250	Disk Drive B 314MB	
	DL card		21F4580	314Mb Drive Logic Card	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CA74	A1C2 Drive A DL card Drive A DL card Drive A DL card	70 10 15	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Format CE Cylinder failed. See Procedure 121 in the MIM.
CA75	A1C2 Drive A DL card Drive A DL card Drive A DL card A1B2	55 15 20 5	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495	Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card DSA (II,IV)	Seek and scan test failed. Local write and read test failed. See Procedure 121 in the MIM.
CA76	A1C2 Drive A DL card Drive A DL card Drive A DL card A1B2	60 10 20 5	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495	Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card DSA (II,IV)	Seek and scan test failed. Write and read one sector failed. See Procedure 121 in the MIM.
CA77	Drive A DL card Drive A DL card Drive A DL card A1C2	30 40 25	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,III,IV)	Seek and scan test failed. Multi-sector write and read failed. See Procedure 121 in the MIM.
CA78	A1C2	99	92X7256	Dsk Adptr Cd (II,III,IV)	Inverted ECC test failed. See Procedure 121 in the MIM.
CA79	A1C2	99	92X7256	Dsk Adptr Cd (II,III,IV)	Check corrections test failed. See Procedure 121 in the MIM.
CA80	A1C2 A1B2 Drive B DL card Drive B DL card Drive B DL card	80 10 2 3	92X7256 92X6495 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Dsk Adptr Cd (II,III,IV) DSA (II,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Adapter register writes and reads failed. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CA81	A1C2 A1B2	80 15	92X3224 92X7256 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) DSA (II,IV)	Interrupt test failed. See Procedure 121 in the MIM.
CA82	A1C2 Drive B DL card Drive B DL card Drive B DL card J26&27	60 10 20    5	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card Disk Cable	IPL disk adapter card failed. Reseat cable J26&27 and reIPL with wraps before replacing See Procedure 121 in the MIM.
CA83	A1C2 Drive B DL card Drive B DL card Drive B DL card	50 25 30    	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Seek and scan test failed. See Procedure 121 in the MIM.
CA84	A1C2 Drive B DL card Drive B DL card Drive B DL card	70 10 15    	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Format CE Cylinder failed. See Procedure 121 in the MIM.
CA85	A1C2 Drive B DL card Drive B DL card Drive B DL card A1B2	50 15 20    10	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495	Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card DSA (II,IV)	Local write and read test failed. See Procedure 121 in the MIM.
CA86	A1C2 Drive B DL card Drive B DL card Drive B DL card A1B2	60 10 20    5	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495	Dsk Adptr Cd (II,III,IV) Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card DSA (II,IV)	Write and read one sector failed. See Procedure 121 in the MIM.



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CA9A	Drive A DL card Drive A DL card Drive A DL card A1C2 A1B2	30 40    15 5	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256 92X6495	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,III,IV) DSA (II,IV)	Read alternate sector table to adapter Ram . failed.
CA9b	Drive B DL card Drive B DL card Drive B DL card A1C2 A1B2	30 40    15 5	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256 92X6495	Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,III,IV) DSA (II,IV)	Read alternate sector table to adapter Ram failed. See Procedure 121 in the MIM.
CA9C	A1C2 Drive A DL card Drive A DL card Drive A DL card or Drive B DL card Drive B DL card Drive B DL card	40 15 25    10	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580  69X6909 6370793 92X7320 6370951 21F4250 21F4580	Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card  Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Recalibrate test to drive failed. See Procedure 121 in the MIM.
CA9d	Drive B DL card Drive B DL card Drive B DL card A1C2	50 25    15	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256	Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,III,IV)	Recalibrate test to drive failed. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CAA0	A1A2	30	92X7256	Dsk Adptr Cd (II,IV)	Adapter register writes and reads failed. See Procedure 121 in the MIM.
	A1C2	30	92X7256	Dsk Adptr Cd (II,III,IV)	
	A1B2	15	92X6495	DSA (II,IV)	
	Featpwr	10	1035808	Feat. Pwr Supply (II,III	
	Drive C	2	69X6909	Disk Drive C 65MB	
	DL card	3	6370793	65Mb Drive Logic Card	
	Drive C		92X7320	Disk Drive C 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive C		21F4250	Disk Drive C 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive D		69X6909	Disk Drive D 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
DL card		6370951	105Mb Drive Logic Card		
Drive D		21F4250	Disk Drive D 314MB		
DL card		21F4580	314Mb Drive Logic Card		
J28&29	5	92X3312	Disk Cable (II,IV)		
CAA1	A1A2	85	92X7256	Dsk Adptr Cd (II,IV)	Interrupt test failed. See Procedure 121 in the MIM.
	A1B2	15	92X6495	DSA (II,IV)	
CAA2	A1A2	60	92X7256	Dsk Adptr Cd (II,IV)	IPL disk adapter card failed. Reseat cable J28&29 and reIPL with wraps before replacing A1A2. See Procedure 121 in the MIM.
	Drive C	10	69X6909	Disk Drive C 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive C		92X7320	Disk Drive C 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive C		21F4250	Disk Drive C 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	or				
	Drive D		69X6909	Disk Drive D 65MB	
	DL card		6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
J28&29	5	92X3312	Disk Cable (II,IV)		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CAA3	A1A2 Drive C DL card Drive C DL card Drive C DL card or Drive D DL card Drive D DL card Drive D DL card	45 15 25	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580  69X6909 6370793 92X7320 6370951 21F4250 21F4580	Dsk Adptr Cd (II,IV) Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card  Disk Drive D 65MB 65Mb Drive Logic Card Disk Drive D 105MB 105Mb Drive Logic Card Disk Drive D 314MB 314Mb Drive Logic Card	Seek and scan test failed. See Procedure 121 in the MIM.
CAA4	A1A2 Drive C DL card Drive C DL card Drive C DL card	70 10 15	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Dsk Adptr Cd (II,IV) Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card	Format CE Cylinder failed. See Procedure 121 in the MIM.
CAA5	A1A2 Drive C DL card Drive C DL card Drive C DL card A1B2	50 15 20    10	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495	Dsk Adptr Cd (II,IV) Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card DSA (II,IV)	Local write and read test failed. See Procedure 121 in the MIM.
CAA6	A1A2 Drive C DL card Drive C DL card Drive C DL card A1B2	60 10 20    5	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X6495	Dsk Adptr Cd (II,IV) Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card DSA (II,IV)	Write and read one sector failed. See Procedure 121 in the MIM.
CAA7	Drive C DL card Drive C DL card Drive C DL card A1A2	30 40    25	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256	Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,IV)	Multi-sector write and read failed. See Procedure 121 in the MIM.
CAA8	A1A2	99	92X7256	Dsk Adptr Cd (II,IV)	Inverted ECC test failed. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CAA9	A1A2	99	92X7256	Dsk Adptr Cd (II,IV)	Check corrections test failed. See Procedure 121 in the MIM.
CAb0	A1A2	40	92X7256	Dsk Adptr Cd (II,IV)	Adapter register writes and reads failed.  See Procedure 121 in the MIM.
	A1C2	40	92X3224	Disk Adapter Card	
	92X7256			Dsk Adptr Cd (II,III,IV)	
	A1B2	10	92X6495	DSA (II,IV)	
	or				
	Drive D	2	69X6909	Disk Drive D 65MB	
	DL card	3	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
DL card		6370951	105Mb Drive Logic Card		
Drive D		21F4250	Disk Drive D 314MB		
DL card		21F4580	314Mb Drive Logic Card		
CAb1	A1A2	85	92X7256	Dsk Adptr Cd (II,IV)	Interrupt test failed. See Procedure 121 in the MIM.
	A1B2	15	92X6495	DSA (II,IV)	
CAb2	A1A2	50	92X7256	Dsk Adptr Cd (II,IV)	IPL disk adapter card failed. Reseat cable J28&29 and reIPL with wraps before replacing A1A2. See Procedure 121 in the MIM.
	Drive D	15	69X6909	Disk Drive D 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
	DL card		21F4580	314Mb Drive Logic Card	
	Featpwr	6	1035808	Feat. Pwr Supply (II,III)	
	J28&29	5	92X3312	Disk Cable (II,IV)	
	CAb3	A1A2	50	92X7256	
Drive D		20	69X6909	Disk Drive D 65MB	
DL card		25	6370793	65Mb Drive Logic Card	
Drive D			92X7320	Disk Drive D 105MB	
DL card			6370951	105Mb Drive Logic Card	
Drive D			21F4250	Disk Drive D 314MB	
DL card			21F4580	314Mb Drive Logic Card	
CAb4	A1A2	70	92X7256	Dsk Adptr Cd (II,IV)	Format CE Cylinder failed. See Procedure 121 in the MIM.
	Drive D	10	69X6909	Disk Drive D 65MB	
	DL card	15	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
DL card		21F4580	314Mb Drive Logic Card		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CAb5	A1A2	50	92X7256	Dsk Adptr Cd (II,IV)	Local write and read test failed. See Procedure 121 in the MIM.
	Drive D	15	69X6909	Disk Drive D 65MB	
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
CAb6	Drive D	60	92X7256	Dsk Adptr Cd (II,IV)	Write and read one sector failed. See Procedure 121 in the MIM.
	DL card	20	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
CAb7	Drive D	30	69X6909	Disk Drive D 65MB	Multi-sector write and read failed. See Procedure 121 in the MIM.
	DL card	40	6370793	65Mb Drive Logic Card	
	Drive D		92X7320	Disk Drive D 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive D		21F4250	Disk Drive D 314MB	
CAb8	DL card	25	21F4580	314Mb Drive Logic Card	Inverted ECC test failed. See Procedure 121 in the MIM.
	A1A2	99	92X7256	Dsk Adptr Cd (II,IV)	
CAb9	A1A2	99	92X7256	Dsk Adptr Cd (II,IV)	Check corrections test failed. See Procedure 121 in the MIM.
CAd8	A1C2	95	92X7256	Dsk Adptr Cd (II,III,IV)	Verify Disk adapter (II) card required with Drive A or B configuration.
CAaA	Drive C	35	69X6909	Disk Drive C 65MB	Read alternate sector table to adapter RAM failed. See Procedure 121 in the MIM.
	DL card	40	6370793	65Mb Drive Logic Card	
	Drive C		92X7320	Disk Drive C 105MB	
	DL card		6370951	105Mb Drive Logic Card	
	Drive C		21F4250	Disk Drive C 314MB	
	DL card	15	21F4580	314Mb Drive Logic Card	
	A1A2		92X7256	Dsk Adptr Cd (II,IV)	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CAdb	Drive D DL card Drive D DL card Drive D DL card A1A2 A1B2	35 40    15 5	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256 92X6495	Disk Drive D 65MB 65Mb Drive Logic Card Disk Drive D 105MB 105Mb Drive Logic Card Disk Drive D 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,IV) DSA (II,IV)	Read alternate sector table to adapter RAM failed. See Procedure 121 in the MIM.
CAdC	A1A2 Drive C DL card Drive C DL card Drive C DL card or Drive D DL card Drive D DL card Drive D DL card	40 15 25          21F4580	92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580  69X6909 6370793 92X7320 6370951 21F4250 21F4580	Dsk Adptr Cd (II,IV) Disk Drive C 65MB 65Mb Drive Logic Card Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card  Disk Drive D 65MB 65Mb Drive Logic Card Disk Drive D 105MB 105Mb Drive Logic Card Disk Drive D 314MB 314Mb Drive Logic Card	Recalibrate test to drive failed. See Procedure 121 in the MIM.
CAdd	Drive D DL card Drive D DL card Drive D DL card A1A2	30 45    20	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X7256	Disk Drive D 65MB 65Mb Drive Logic Card Disk Drive D 105MB 105Mb Drive Logic Card Disk Drive D 314MB 314Mb Drive Logic Card Dsk Adptr Cd (II,IV)	Recalibrate test to drive failed.
CAdE	A1C2	95	92X3224 92X7256	Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Verify Disk Adapter (II,III,IV) Configuration.
CAdF	A1A2	95	92X7256	Dsk Adptr Cd (II,IV)	Verify Disk Adapter (II,IV) Configuration.
CAE1	Drive A DL card Drive A DL card Drive B DL card Drive B DL card	45 50          21F4580	92X7320 6370951 21F4250 21F4580 92X7320 6370951 21F4250 21F4580	Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card	Drive A may not be valid drive type for configuration. See Procedure 804 in MIM
CAE2	Drive A DL card Drive A DL card	45 50	92X7320 6370951 21F4250 21F4580	Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Drive A must be a 105Mb or 314Mb Drive B is a 314Mb Check Configuration. See Procedure 804 in MIM

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CAE3	Drive C DL card Drive C DL card	45 50	92X7320 6370951 21F4250 21F4580	Disk Drive C 105MB 105Mb Drive Logic Card Disk Drive C 314MB 314Mb Drive Logic Card	Drive C must be a 105Mb or 314Mb. Drive D is a 314Mb. Check configuration. See Procedure 804 in MIM
CAE4	Drive D DL card Drive D DL card	45 50	92X7320 6370951 21F4250 21F4580	Disk Drive D 105MB 105Mb Drive Logic Card Disk Drive D 314MB 314Mb Drive Logic Card	Drive D must be a 105Mb or 314Mb. Drive C is a 314Mb. Check configuration. See Procedure 804 in MIM
CAE5	Drive A DL card Drive A DL card	45 50	92X7320 6370951 21F4250 21F4580	Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Drive B cannot be 65Mb. Drive A is a 314Mb. See Procedure 804 in MIM
CC35	A1F2 A1E2 - > > > > - A1F2 A1E2	69 25   69 25	92X3221 92X3296 92X3295  92X7255 92X3296 92X3295	WS/Panel Cd. WS Controller feature WS Pass Through  5363 II, IV  WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station adapter card failed the controller DBI/DBO test.
CC36	A1F2 A1E2 - > > > > - A1F2 A1E2	94 5   94 5	92X3221 92X3296 92X3295  92X7255 92X3296 92X3295	WS/Panel Cd. WS Controller feature WS Pass Through  5363 II, IV  WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station adapter card failed its wrap test.
CC37	A1F2 A1E2 - > > > > - A1F2 A1E2	94 5   94 5	92X3221 92X3296 92X3295  92X7255 92X3296 92X3295	WS/Panel Cd. WS Controller feature WS Pass Through  5363 II, IV  WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station adapter card failed to reset its Check latches.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC38	A1F2	94	92X3221	WS/Panel Cd.	The work station adapter card failed its diag mode and prog level test.
	A1E2	5	92X3296	WS Controller feature	
	-		92X3295	WS Pass Through	
	> > > >		> > > >	5363 II, IV	
CC39	A1F2	94	92X3221	WS/Panel Cd.	The work station adapter card failed its serdes.
	A1E2	5	92X3296	WS Controller feature	
	-		92X3295	WS Pass Through	
	> > > >		> > > >	5363 II, IV	
CC3A	A1F2	84	92X3221	WS/Panel Cd.	The work station adapter card failed its interrupt program/timer test.
	A1E2	10	92X3296	WS Controller feature	
	A1G2	5	92X3293	WS Pass Through CSP card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
CC3C	A1F2	69	92X3221	WS/Panel Cd.	The work station adapter failed a cycle steal test.
	A1E2	25	92X3296	WS Controller feature	
	A1G2	5	92X3293	WS Pass Through CSP card	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
CC3C	A1F2	69	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	25	92X3296	WS Controller feature	
	-		92X3295	WS Pass Through	
	A1G2	5	92X3293	CSP card	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC3E	A1F2 A1E2	94 5	92X3221 92X3296 92X3295	WS/Panel Cd. WS Controller feature WS Pass Through	The work station adapter failed its hardware interrupt levels test.
	- > > > > - A1F2 A1E2	94 5	> > > > 92X7255 92X3296 92X3295	5363 II, IV WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	
CC3F	A1F2 A1E2	70 10	92X3221 92X3296 92X3295	WS/Panel Cd. WS Controller feature WS Pass Through	The work station adapter card failed its port 0 line driver test. Reference Work Station Procedures in the MIM.
	Wrkstn WS cbl - > > > > - A1F2 A1E2	10 4	----- > > > > 92X7255 92X3296 92X3295	Twinax/IBM cbl system 5363 II, IV WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	
CC40	Wrkstn WS cbl A1E2	10 4	-----	Twinax/IBM cbl system	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 Reference Work Station Procedures in the MIM.
	- > > > > - A1F2 Wrkstn WS cbl A1E2	78 15 4 2	92X3221 ----- 92X3296 92X3295	WS/Panel Cd. Twinax/IBM cbl system WS Controller feature WS Pass Through	
CC41	A1F2 Wrkstn WS cbl A1E2	78 15 4 2	92X7255 ----- 92X3296 92X3295	WS/Panel Cd. (II,IV) Twinax/IBM cbl system WS Controller feature WS Pass Through	The work station adapter failed its error checks test. This test needs a working console to run. at same address as console Reference Work Station Procedures in the MIM.
	- > > > > - A1F2 Wrkstn WS cbl A1E2	58 30 9 2	92X3221 ----- 92X3296 92X3295	WS/Panel Cd. Twinax/IBM cbl system WS Controller feature WS Pass Through	
CC41	Wrkstn WS cbl A1E2	30 9	-----	Twinax/IBM cbl system	The work station adapter failed its error checks test. This test needs a working console to run. at same address as console Reference Work Station Procedures in the MIM.
	- > > > > - A1F2 Wrkstn WS cbl A1E2	58 30 9 2	92X7255 ----- 92X3296 92X3295	WS/Panel Cd. (II,IV) Twinax/IBM cbl system WS Controller feature WS Pass Through	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC42	A1F2	79	92X3221	WS/Panel Cd.	The work station adapter card failed the cycle steal register test.
	A1E2	20	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	-		> > > >	> > > >	
CC43	A1F2	79	92X3221	WS/Panel Cd.	The work station adapter card failed its hardware interrupt test.
	A1E2	20	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	-		> > > >	> > > >	
CC44	A1F2	79	92X3221	WS/Panel Cd.	The work station adapter card failed to poll the system console.
	A1E2	20	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	-		> > > >	> > > >	
CC46	A1F2	94	92X3221	WS/Panel Cd.	WSC failed to initial Address Load.
	A1E2	5	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	-		> > > >	> > > >	
CC46	A1F2	94	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	5	92X3296	WS Controller feature	
			92X3295	WS Pass Through	
	-		> > > >	> > > >	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
CC4A	A1F2	74	92X3221	WS/Panel Cd.	The work station adapter card failed its port 1-3 line drive test. Reference Workstation Procedures in the MIM. at same address as console Reference Work Station Procedures in the MIM.	
	A1E2	10	92X3296	WS Controller feature		
			92X3295	WS Pass Through		
	Wrkstn	10				
	WS cbl	5	-----	Twinax/IBM cbl system		
	> > > >			> > > >		5363 II, IV
CC51	A1F2	95	92X3221	WS/Panel Cd.	The work station adapter card failed it's RAM test	
	A1E2	4	92X3296	WS Controller feature		
			92X3295	WS Pass Through		
	> > > >			> > > >		5363 II, IV
	A1F2	95	92X7255	WS/Panel Cd. (II,IV)		
	A1E2	4	92X3296	WS Controller feature		
CC52	A1E2		92X3295	WS Pass Through	The work station adapter card failed it's cycle steal block length test.	
	> > > >			> > > >		5363 II, IV
	A1F2	95	92X7255	WS/Panel Cd. (II,IV)		
	A1E2	4	92X3296	WS Controller feature		
			92X3295	WS Pass Through		
CC60	A1F2	70	92X3221	WS/Panel Cd.	Port 0 failed. The work station adapter card failed its hardware interrupt levels test. Reference Workstation at same address as console Reference Work Station Procedures in the MIM.	
	A1E2	15	92X3296	WS Controller feature		
	Wrkstn	8				
	WS cbl	4	-----	Twinax/IBM cbl system		
	A1E2	1	92X3295	WS Pass Through		
	> > > >			> > > >		5363 II, IV
	A1F2	70	92X7255	WS/Panel Cd. (II,IV)		
	A1E2	15	92X3296	WS Controller feature		
	Wrkstn	8				
	WS cbl	4	-----	Twinax/IBM cbl system		
A1E2	1	92X3295	WS Pass Through			

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC61	Display WS cbl A1F2 A1E2 - > > > > - Display WS cbl A1F2 A1E2	55 25 9 5  55 25 9 5	----- 92X3221 92X3296 92X3295  ----- 92X7255 92X3296 92X3295	Twinax/IBM cbl system WS/Panel Cd. WS Controller feature WS Pass Through  5363 II, IV  Twinax/IBM cbl system WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	The work station failed its hardware interrupt level test.
	CC62	A1F2 Wrkstn WS cbl A1E2 - > > > > - A1F2 Wrkstn WS cbl A1E2	76 10 5 3  76 15 5 3	92X3221 ----- 92X3296 92X3295  92X7255 ----- 92X3296 92X3295	
CC63	Wrkstn WS cbl	75 25	-----	Twinax/IBM cbl system	Display stations and/or printers on a port are not responding. Reference Workstation Procedures in the MIM.
CC65	A1F2 A1E2 A1G2 A1E2 - > > > > - A1F2 A1E2 A1G2 A1E2	80 10 4 4  80 10 6 4	92X3221 92X3296 92X3293 92X3295  92X7255 92X3296 92X3293 92X3295	WS/Panel Cd. WS Controller feature CSP card WS Pass Through  5363 II, IV  WS/Panel Cd. (II,IV) WS Controller feature CSP card WS Pass Through	The work station adapter card failed the controller DBI ABO Test.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC66	A1F2	80	92X3221	WS/Panel Cd.	The work station adapter card failed its wrap test.
	A1E2	10	92X3295	WS Pass Through	
	A1G2	4	92X3293	CSP card	
	A1E2	1	92X3296	WS Controller feature	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1F2	80	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	10	92X3296	WS Controller feature	
	A1G2	4	92X3293	CSP card	
A1E2	1	92X3295	WS Pass Through		
CC67	A1F2	80	92X3221	WS/Panel Cd.	The work station adapter card failed to reset its check latches.
	A1E2	10	92X3295	WS Pass Through	
	A1G2	4	92X3293	CSP card	
	A1E2	1	92X3296	WS Controller feature	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1F2	80	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	10	92X3295	WS Pass Through	
	A1G2	4	92X3293	CSP card	
A1E2	1	92X3296	WS Controller feature		
CC68	A1F2	80	92X3221	WS/Panel Cd.	The work station adapter card failed its diag mode and prog level test.
	A1E2	10	92X3295	WS Pass Through	
	A1G2	6	92X3293	CSP card	
	A1E2	1	92X3296	WS Controller feature	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1F2	80	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	10	92X3295	WS Pass Through	
	A1G2	6	92X3293	CSP card	
A1E2	1	92X3296	WS Controller feature		
CC69	A1F2	80	92X3221	WS/Panel Cd.	The work station adapter card failed its SERDES test.
	A1E2	10	92X3295	WS Pass Through	
	A1G2	6	92X3293	CSP card	
	A1E2	1	92X3296	WS Controller feature	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1F2	80	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	10	92X3295	WS Pass Through	
	A1G2	6	92X3293	CSP card	
A1E2	1	92X3296	WS Controller feature		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC6A	A1F2	80	92X3221	WS/Panel Cd.	The work station adapter card failed its interrupt program/timer test.
	A1E2	10	92X3295	WS Pass Through	
	A1G2	6	92X3293	CSP card	
	A1E2	1	92X3296	WS Controller feature	
	-				
	> > > >		> > > >	5363 II, IV	
	A1F2	80	92X7255	WS/Panel Cd. (II,IV)	
	-				
	A1E2	10	92X3295	WS Pass Through	
	A1G2	6	92X3293	CSP card	
A1E2	1	92X3296	WS Controller feature		
CC6C	A1F2	50	92X3221	WS/Panel Cd.	The work station adapter failed a cycle steal test.
	A1E2	30	92X3295	WS Pass Through	
	A1G2	15	92X3293	CSP card	
	A1E2	1	92X3296	WS Controller feature	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1F2	50	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	30	92X3295	WS Pass Through	
	A1G2	15	92X3293	CSP card	
A1E2	1	92X3296	WS Controller feature		
CC6E	A1F2	50	92X3221	WS/Panel Cd.	The work station adapter hardware interrupt levels test.
	A1E2	30	92X3296	WS Controller feature	
	A1G2	15	92X3293	CSP card	
	A1E2	1	92X3295	WS Pass Through	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1F2	50	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	30	92X3296	WS Controller feature	
	A1G2	15	92X3293	CSP card	
A1E2	1	92X3295	WS Pass Through		
CC6F	A1F2	60	92X3221	WS/Panel Cd.	The work station adapter card failed its port 0 line driver check. Reference Workstation Procedures in the MIM.
	A1E2	20	92X3296	WS Controller feature	
	Wrkstn	10			
	WS cbl	5	-----	Twinax/IBM cbl system	
	A1E2	1	92X3295	WS Pass Through	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1F2	60	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	20	92X3296	WS Controller feature	
Wrkstn	10				
WS cbl	5	-----	Twinax/IBM cbl system		
A1E2	1	92X3295	WS Pass Through		

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC70	A1F2	70	92X3221	WS/Panel Cd.	The work station card failed to poll the system console. Verify that another work station on port 0 is not at the same address as console. Exchange card, if this fails to fix problem go to the work station device maintenance manual and MIM (cable chk procedure) to check the remaining port 0 FRUs.
	A1E2	10	92X3296	WS Controller feature	
	-				
	> > > >		> > > >	5363 II, IV	
CC71	A1F2	50	92X3221	WS/Panel 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. Reference Workstation Procedures in the MIM.
	A1E2	35	92X3295	WS Pass Through	
	Wrkstn	10			
	A1E2	1	92X3296	WS Controller feature	
CC72	A1F2	50	92X3221	WS/Panel Cd.	The work station adapter card failed the cycle steal register test.
	A1E2	25	92X3295	WS Pass Through	
	A1G2	20	92X3293	CSP card	
	A1E2	1	92X3296	WS Controller feature	
CC7A	A1F2	60	92X3221	WS/Panel Cd.	The work station adapter card failed its port 1-3 line drive test.
	A1E2	10	92X3295	WS Pass Through	
	Wrkstn	15			
	WS cbl	5	-----	Twinax/IBM cbl system	
CC7A	A1F2	60	92X7255	WS/Panel Cd. (II,IV)	
	A1E2	10	92X3295	WS Pass Through	
	Wrkstn	15			
	WS cbl	5	-----	Twinax/IBM cbl system	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC81	A1F2	70	92X3221	WS/Panel Cd.	The work station adapter card failed its RAM test.
	A1E2	20	92X3295	WS Pass Through	
			92X3296	WS Controller feature	
	Wrkstn	5			
	WS cbl	1	-----	Twinax/IBM cbl system	
	> > > >		> > > >	5363 II, IV	
CC82	A1F2	60	92X3221	WS/Panel Cd.	The work station adapter card failed its cycle steal block length test.
	A1E2	20	92X3295	WS Pass Through	
	Wrkstn	10			
	WS cbl	5	-----	Twinax/IBM cbl system	
	A1E2	1	92X3296	WS Controller feature	
	> > > >		> > > >	5363 II, IV	
Cd10	A1F2	60	92X7255	WS/Panel Cd. (II,IV)	Buffered adapter wraps failed.
	A1E2	20	92X3295	WS Pass Through	
	Wrkstn	10			
	WS cbl	5	-----	Twinax/IBM cbl system	
	A1E2	1	92X3296	WS Controller feature	
	> > > >		> > > >	5363 II, IV	
Cd30	A1D2	93	92X3294	Data Storage Adapter	Diskette DLC wraps failed. See Diskette Drive Procedures in the MIM.
	Dskt Dr	4	6369881	Diskette Drive Asm	
	A1G2	2	92X3293	CSP card	
	J25	1	92X3301	Diskette Cable Asm	
Cd81	> > > >		> > > >	5363 II, IV	Data Storage Adapter (II) Buffer #1 Address test failed.
	A1B2	70	92X6495	DSA (II,IV)	
	A1A2	10	92X7256	Dsk Adptr Cd (II,IV)	
	A1C2	10	92X7256	Dsk Adptr Cd (II,III,IV)	
Cd82	> > > >		> > > >	5363 II, IV	Data Storage Adapter (II) Buffer #2 Address test failed.
	A1B2	70	92X6495	DSA (II,IV)	
	A1A2	10	92X7256	Dsk Adptr Cd (II,IV)	
	A1C2	10	92X7256	Dsk Adptr Cd (II,III,IV)	
Cd83	> > > >		> > > >	5363 II, IV	Data Storage Adapter Buffer/DLC Transfer across positions A2,B2 and C2 is properly seated.
	A1B2	70	92X6495	DSA (II,IV)	
	A1A2	10	92X7256	Dsk Adptr Cd (II,IV)	
	A1C2	10	92X7256	Dsk Adptr Cd (II,III,IV)	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
Cd84	>>>> - A1B2 A1A2 A1C2	70 10 10	>>>> 92X6495 92X7256 92X7256	5363 II, IV DSA (II,IV) Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter (II) failed the diagnostic Wrap 1 to 2 test.
Cd85	>>>> - A1B2 A1A2 A1C2	70 10 10	>>>> 92X6495 92X7256 92X7256	5363 II, IV DSA (II,IV) Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter (II) failed the Buffer 1 Scan test.
Cd86	>>>> - A1B2 A1A2 A1C2	70 10 10	>>>> 92X6495 92X7256 92X7256	5363 II, IV DSA (II,IV) Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter (II) failed the Buffer 2 Scan Test.
Cd87	>>>> - A1B2 A1A2 A1C2	70 10 10	>>>> 92X6495 92X7256 92X7256	5363 II, IV DSA (II,IV) Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter (II) failed the Buffer DLC Transfer test.
Cd88	>>>> - A1E2 A1A2 A1C2	70 10 10	>>>> 92X3295 92X7256 92X7256	5363 II, IV WS Pass Through Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter (II) failed the Main Store Diagnostic Wrap Buffer 1 to 2.
Cd89	>>>> - A1E2 A1A2 A1C2	70 10 10	>>>> 92X3295 92X7256 92X7256	5363 II, IV WS Pass Through Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter (II) failed the Main Store Diagnostic Wrap Buffer 2 to 1.
Cd8A	>>>> - A1E2 A1A2 A1C2	70 10 10	>>>> 92X3295 92X7256 92X7256	5363 II, IV WS Pass Through Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter (II) failed the Buffer 1 Single Burst test
Cd8C	>>>> - A1E2 A1A2 A1C2	70 10 10	>>>> 92X3295 92X7256 92X7256	5363 II, IV WS Pass Through Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	The Data Storage Adapter (II) failed the Buffer 2 Single Burst test
Cd8F	>>>> - A1B2 A1A2 A1C2	70 10 10	>>>> 92X6495 92X7256 92X7256	5363 II, IV DSA (II,IV) Dsk Adptr Cd (II,IV) Dsk Adptr Cd (II,III,IV)	Ensure Top Card Connector. across positions A2,B2 and C2 is properly seated.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CF01					Initialization wrap error, reIPL DCP with wraps.
CF61	A1F2 A1E2	60 30	92X3221 92X7255 92X3296 92X3295	WS/Panel Cd. WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through	Work station error, reIPL DCP with wraps.
CF63	B1-A B1-G  B1-CD/S	50 30  15	92X7359 92X3222 92X7231 21F4225 21F4226 xxxxxxx	Feature IOP MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) Feature Card/s	IOP Feature / Error Reference Mim Procedure 156.
CF65	A1D2 A1E2 A1F2	90 5 2	92X3294 92X3296 92X3221	Data Storage Adapter WS Controller feature WS/Panel Cd.	Disk/diskette/Data Storage Adapter error, reIPL DCP with wraps.
CF75	LAN cd B1-BD	98 1	83X9147 92X7240	Token Ring Adapter Card Feature board	LAN IPL wraps failed. Run OLPD.
CF83	LAN cd B1-BD	98 1	83X9147 92X7240	Token Ring Adapter Card Feature board	LAN IPL wraps failed. Run OLPD.
CFA7	A1C2  Drive A DL card Drive A DL card Drive A DL card or Drive B DL card Drive B DL card Drive B DL card A1D2	45  15 25          10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580  69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card  Disk Drive B 65MB 65Mb Drive Logic Card Disk Drive B 105MB 105Mb Drive Logic Card Disk Drive B 314MB 314Mb Drive Logic Card Data Storage Adapter	Disk error, reIPL DCP with wraps. See Procedure 121 in the MIM.
CFb2	T card B1-BD T unit	80 10 5	92X7353 92X7240	Tape Adpt Cd Feature board	Tape IPL wraps failed. Run OLPD.
CFC2	A1F2	93	92X3221 92X7255	WS/Panel Cd. WS/Panel Cd. (II,IV)	Work station error, reIPL DCP with wraps.
CFd2	A1D2 Dskt Dr A1G2 J25	93 4 2 1	92X3294 6369881 92X3293 92X3301	Data Storage Adapter Diskette Drive Asm CSP card Diskette Cable Asm	Diskette DLC wraps failed, reIPL DCP with wraps. See diskette drive procedure 602 in the MIM. Remove write protect tab when using diag. diskettes.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
d074	B1-G  A1J2 A1H2 A1G2	70  25 3 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X3293	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card CSP card	Auto config failed. Memory card size cannot be determined.
dAxx					CSIPL 3rd load. This SRC is used only in step mode. When stop on errors is enable, the xx indicates the TU being executed.
dC00	A1J2 A1H2 A1G2 B1-G  A1-BD	40 40 16 2  2	92X3291 92X3292 92X3293 92X3222 92X7231 21F4225 21F4226 92X7243	MSP data flow card MSP control card CSP card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	CSIPL 3rd load failed in one of the register tests on the MSP data flow or Control card.
dC90	B1-G  A1J2 A1H2 A1G2  A1-BD Featpwr	50  40 5 3  1 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 92X3293 92X7243 1035395	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card CSP card A1 Board Feature Power Supply	CSIPL 3rd load failed the CSP timeout on MS Write/ read test. This is the first test of Main storage.
dC91	B1-G  A1J2 A1H2 A1G2 Featpwr A1-BD	40  40 15 2 1 1	92X3222 21F4225 92X3291 92X3292 92X3293 1035395 1035526 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card CSP card Feature Power Supply Europe/Mid-East/Africa A1 Board	CSIPL 3rd load failed in the main store Auto configure test.
dC92	B1-G  A1J2 A1H2 A1G2 Featpwr A1-BD	50  40 5 3 1 1	92X3222 21F4225 92X3291 92X3292 92X3293 1035395 1035526 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card CSP card Feature Power Supply Europe/Mid-East/Africa A1 Board	CSIPL 3rd load failed in the various Main Store Tests.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dC94	B1-G A1J2 A1H2 Featpwr A1-BD	50 25 10 10 1	92X3222 92X7231 21F4225 21F4226 92X3291 92X3292 1035395 1035526 92X7243	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) MSP data flow card MSP control card Feature Power Supply Europe/Mid-East/Africa A1 Board	CSIPL 3rd load failed its comparison of UDT Main Store size and detected Main Store size. Check for correct memory size and then reconfigure the system before replacing any hardware.
dC95	B1-G A1J2 A1H2 A1G2 Featpwr A1-BD	40 40 15 2 1 1	92X7231 21F4226 92X3291 92X3292 92X3293 1035395 1035526 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card CSP card Feature Power Supply Europe/Mid-East/Africa A1 Board	CSIPL 3rd load failed in the main store Auto configure test.
dC96	B1-G A1J2 A1H2 A1G2 Featpwr A1-BD	50 40 5 3 1 1	92X7231 21F4226 92X3291 92X3292 92X3293 1035395 1035526 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card CSP card Feature Power Supply Europe/Mid-East/Africa A1 Board	CSIPL 3rd load failed in the various Main Store Tests.
dd00	B1-G A1J2 A1H2 A1-BD	70 20 5 5	92X3222 21F4225 92X3291 92X3292 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card A1 Board	Main Store card failed its ECC test.
dd01	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X3222 21F4225 92X3291 92X3292 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store Error Analysis Test.
dd02	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X3222 21F4225 92X3291 92X3292 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store addressing Test.
dd03	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X3222 21F4225 92X3291 92X3292 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store Address + 1 Test.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dd04	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X3222 21F4225 92X3291 92X3292 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store Address + 1 Test.
dd05	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X3222 21F4225 92X3291 92X3292 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store Refresh Test.
dd06	B1-G A1J2 A1H2 A1G2 A1-BD	50 40 6 3 1	92X3222 21F4225 92X3291 92X3292 92X3293 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card CSP card A1 Board	CSIPL 3rd load failed the Main Store Address + 2K Test.
dd07	B1-G A1J2 A1H2 A1G2 A1-BD	50 40 6 3 1	92X3222 21F4225 92X3291 92X3292 92X3293 92X7243	MS Card 1MB MS Card 1MB (III,IV) MSP data flow card MSP control card CSP card A1 Board	CSIPL 3rd load failed the Main Store Address -2K Test.
dd10	B1-G A1J2 A1H2 A1-BD	70 20 5 5	92X7231 21F4226 92X3291 92X3292 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	Main Store card failed its ECC test.
dd11	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X7231 21F4226 92X3291 92X3292 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store Error Analysis Test.
dd12	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X7231 21F4226 92X3291 92X3292 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store addressing Test.
dd13	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X7231 21F4226 92X3291 92X3292 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store Address + 1 Test.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dd14	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X7231 21F4226 92X3291 92X3292 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store Address + 1 Test.
dd15	B1-G A1J2 A1H2 A1-BD	94 2 2 2	92X7231 21F4226 92X3291 92X3292 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card A1 Board	CSIPL 3rd load failed its Main Store Refresh Test.
dd16	B1-G A1J2 A1H2 A1G2 A1-BD	50 40 6 3 1	92X7231 21F4226 92X3291 92X3292 92X3293 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card CSP card A1 Board	CSIPL 3rd load failed the Main Store Address + 2K Test.
dd17	B1-G A1J2 A1H2 A1G2 A1-BD	50 40 6 3 1	92X7231 21F4226 92X3291 92X3292 92X3293 92X7243	MS Card 2MB MS Card 2MB (III,IV) MSP data flow card MSP control card CSP card A1 Board	CSIPL 3rd load failed the Main Store Address -2K Test.
dd20	A1J2 A1H2 B1-G  A1-BD	40 40 15  5	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	CSIPL 3rd load. If replacing FRU does not correct the problem, check to see that the UDT is correct.
dd50	A1J2 A1H2 B1-G  A1G2 A1-BD	30 30 30  8 2	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X3293 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board	CSIPL 3rd load failed the two byte store Main, load Main, and Base displaced CSP Instruction Test.
dd51	A1J2 A1H2 A1G2 B1-G  A1-BD	30 30 30 8  2	92X3291 92X3292 92X3293 92X3222 92X7231 21F4225 21F4226 92X7243	MSP data flow card MSP control card CSP card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	CSIPL 3rd load failed the Reset Interrupt. Level 5 Test.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dd52	A1J2 A1H2 B1-G  A1G2 A1-BD	30 30 30  8 2	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X3293 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board	CSIPL 3rd load failed one of the MSP Instruction Test.
dd53	A1J2 A1H2 B1-G  A1G2 A1-BD	30 30 30  8 2	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X3293 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board	CSIPL 3rd load failed the MSP running with CSP Interference Test.
dd54	A1J2 A1H2 B1-G  A1G2 A1-BD	30 30 30  8 2	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X3293 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board	CSIPL 3rd load failed the MSP Instruction Stop Test.
dd55	A1J2 A1H2 B1-G  A1G2 A1-BD	30 30 30  8 2	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X3293 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board	CSIPL 3rd load failed the MSP Instruction Mix for Performance Test.
dd56	A1J2 A1H2 B1-G  A1G2 A1-BD	30 30 30  8 2	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X3293 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board	CSIPL 3rd load failed one of its checks tests.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dd57	A1J2 A1H2 B1-G  A1G2 A1-BD	30 30 30  8 2	92X3291 92X3292 92X3222 92X7231 21F4225 21F4226 92X3293 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card A1 Board	CSIPL 3rd load failed the Main Store Error Analysis Test.
dd60	B1-G  A1G2 A1J2 A1H2	30  30 30 8	92X3222 92X7231 21F4225 21F4226 92X3293 92X3291 92X3292	MS Card 1MB MS Card 2MB MS Card 1MB (III,IV) MS Card 2MB (III,IV) CSP card MSP data flow card MSP control card	CSIPL 3rd load failed the ATIOP Port Wrap of the Shared Storage Card.
dd70	A1F2  A1H2 A1J2	33  33 33	92X3221 92X7255 92X3292 92X3291	WS/Panel Cd. WS/Panel Cd. (II,IV) MSP control card MSP data flow card	CSIPL 3rd load.
dExx					CSIPL 3rd load. Test unit xx is not in the load module.
dFA0					Disk Loader Entry SRC Unexpected error. ReIPL. with wraps. If no errors, reload microcode. See Procedure 121 in the MIM.
dFA1	A1C2  Drive A DL card Drive A DL card Drive A DL card	80  5 10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	No valid alternate table. See Procedure 121 in the MIM.
dFA2	A1C2  Drive A DL card Drive A DL card Drive A DL card	50  20 25	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Timeout error. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dFA3	A1C2 A1D2 A1B2	60 30 5	92X3224 92X7256 92X3294 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter DSA (II,IV)	Channel interface error. Check top card connector before replacing any FRUs. See Procedure 121 in the MIM.
dFA4	A1C2 A1D2 A1B2	45 45 5	92X3224 92X7256 92X3294 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter DSA (II,IV)	DPC parity error. Reseat cable J26&27 and top card See Procedure 121 in the MIM.
dFA5	A1C2 Drive A DL card Drive A DL card Drive A DL card A1D2	60 5 15 10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Data Storage Adapter	DMA parity error. Reseat cable J26&27 and top card connector and reIPL with wraps. See Procedure 121 in the MIM.
dFA6	A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27	45 15 25 10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable	Cable continuity error. Reseat cable J26&27 and reIPL with wraps. See Procedure 121 in the MIM.
dFA7	A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27	65 10 20 2	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable	Loader media error. Exchange Disk Adapter card first. See procedure 121 in the MIM. Exchange Drive A only if problem continues.
dFA8	Drive A DL card Drive A DL card Drive A DL card A1C2	30 40 25	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Drive error. Reseat cable J26&27 and reIPL with wraps. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
dFA9					-- DISK LOAD COMPLETE Code loaded was invalid. Reload microcode. See Procedure 121 in the MIM.
dFFA	Oper A1H2 A1J2	60 20 20	----- 92X3292 92X3291	Operator error MSP control card MSP data flow card	CSIPL 3rd load. MSP cannot be initialized with input option FF00.
dFFb					CSIPL 3rd load. Configure error class.
dFFC	A1D2 A1C2  A1B2	50 40  5	92X3294 92X3224 92X7256 92X6495	Data Storage Adapter Disk Adapter Card Dsk Adptr Cd (II,III,IV) DSA (II,IV)	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 large.
dFFE					CSIPL 3rd load. Not a valid MSP MDI rule found.
dFFF	A1J2 A1H2 B1-G  A1G2 A1-BD	30 30 30  6 2	92X3291 92X3292 92X3222 92X7231 92X3293 92X7243	MSP data flow card MSP control card MS Card 1MB MS Card 2MB CSP card A1 Board	CSIPL 3rd load. Unknown error condition while running MSP IPL diagnostics.
E000	A1F2 Featpwr  Bse Pwr A1G2 - > > > > - A1F2 Featpwr  Bse Pwr A1G2	30 30  35    30 30  30 5	92X7255 1035395 1035526 1035350 92X3293  > > > >  92X7255 1035395 1035526 1035350 92X3293	WS/Panel Cd. (II,IV) Feature Power Supply Europe/Mid-East/Africa Base Power Supply CSP card  5363 II, IV  WS/Panel Cd. (II,IV) Feature Power Supply Europe/Mid-East/Africa Base Power Supply CSP card	The console, program and processor leds are all on. This condition indicates that the Panel card failed power on diagnostics. Go to Control Panel procedures in MIM before replacing any FRUs

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E002	A1G2	85	92X3293	CSP card	Bad parity was detected on data read from the CSP. Replace specified FRU's first. If that fails to fix the problem go to Procedure 155 in the MIM.
	A1F2	10	92X3221	WS/Panel Cd.	
	A1D2	5	92X3294	Data Storage Adapter	
	-				
	> > > >		> > > >	5363 II, IV	
	-				
	A1G2	75	92X3293	CSP card	
A1F2	10	92X7255	WS/Panel Cd. (II,IV)		
A1B2	10	92X6495	DSA (II,IV)		
A1D2	5	92X3294	Data Storage Adapter		
E003	A1F2	90	92X3221	WS/Panel Cd.	Bad parity was detected on data read to CSP.
			92X7255	WS/Panel Cd. (II,IV)	
	A1G2	5	92X3293	CSP card	
E005	A1G2	90	92X3293	CSP card	CSP stopped, for no apparent reason (that is WR2A did not include a valid SPC instruction and the CSP is not processor checked.
	A1F2	5	92X3221	WS/Panel Cd.	
			92X7255	WS/Panel Cd. (II,IV)	
E011	A1G2	90	92X3293	CSP card	CSP active during PCB sense RCB.
	A1F2	5	92X3221	WS/Panel Cd.	
			92X7255	WS/Panel Cd. (II,IV)	
E012	A1G2	90	92X3293	CSP card	CSP active during PCB sense LSR.
	A1F2	5	92X3221	WS/Panel Cd.	
			92X7255	WS/Panel Cd. (II,IV)	
	A1D2		92X3294	Data Storage Adapter	
	A1B2		92X6495	DSA (II,IV)	
E013	A1G2	80	92X3293	CSP card	CSP remained active longer than 510 millisecond during a Disable Cycle Steals PCB command.
	A1F2	10	92X3221	WS/Panel Cd.	
			92X7255	WS/Panel Cd. (II,IV)	
	A1E2	5	92X3296	WS Controller feature	
E016	A1G2	90	92X3293	CSP card	CSP active during "Sense Channel Error Byte" command.
	A1F2	5	92X3221	WS/Panel Cd.	
			92X7255	WS/Panel Cd. (II,IV)	
E017	A1G2	90	92X3293	CSP card	CSP active during "Sense Channel Register" command.
	A1F2	5	92X3221	WS/Panel Cd.	
			92X7255	WS/Panel Cd. (II,IV)	
E018	A1G2	90	92X3293	CSP card	CSP active during PCB "Set Maching Check" command.
	A1F2	5	92X3221	WS/Panel Cd.	
			92X7255	WS/Panel Cd. (II,IV)	
E019	A1G2	90	92X3293	CSP card	CSP active during PCB "Load SDR" command.
	A1F2	5	92X3221	WS/Panel Cd.	
			92X7255	WS/Panel Cd. (II,IV)	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E01A	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	CSP active during PCB "Load SAR" command.
E01C	A1G2 A1F2  Bse Pwr Pnl Cbl	80 10  2 2	92X3293 92X3221 92X7255 1035350 92X3302	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV) Base Power Supply Op panel cable	CSP active during PCB "Load MOR" command.
E01E	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	CSP active during PCB "Execute MOR" command.
E01F	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	CSP active during PCB "Sense SDR" command.
E021	A1F2  A1G2	90  5	92X3221 92X7255 92X3293	WS/Panel Cd. WS/Panel Cd. (II,IV) CSP card	Self-test failed ROS 2 (CSP microcode checksum test).
E022	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	CSP PEB not reset after PCB reset, sense of PEB detected bad parity, or CSP went active during strobe of PCB sense.
E023	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	CSP CEB not reset after PCB reset or sense of PEB detected bad parity.
E024	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	Channel register not reset by PCB reset command.
E025	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	CSP main level MAR not zero after PCB reset.
E026	A1F2  A1G2	90  5	92X3221 92X7255 92X3293	WS/Panel Cd. WS/Panel Cd. (II,IV) CSP card	Self-test failed, unable to reset check pulse latch on Panel processor card.
E027	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	Self-test failed, one of the following PCB commands returned bad parity; sense PEB, sense CR, sense LSR.
E028	A1F2  A1G2	90  5	92X3221 92X7255 92X3293	WS/Panel Cd. WS/Panel Cd. (II,IV) 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	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E029	A1G2 A1F2  A1C2  A1E2 A1D2 A1E2 B1-G	80 5  2  2 2 2 2	92X3293 92X3221 92X7255 92X3224 92X7256 92X3295 92X3294 92X3296 92X3222 92X7231	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV) Disk Adapter Card Dsk Adptr Cd (II,III,IV) WS Pass Through Data Storage Adapter WS Controller feature MS Card 1MB MS Card 2MB	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). Note Work stations may have either an outboard controller (work station Feature or work station pass through).
E02A	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	Self-test failed during CSP SDR wrap test (an error was detected during load/sense of CSP SDR or data mismatch occurred).
E02C	A1G2 A1F2 A2F2 Bse Pwr Pnl Cbl	80 10  5	92X3293 92X3221  1035350 92X3302	CSP card WS/Panel Cd.  Base Power Supply Op panel cable	Self-test failed during CSP storage test (an error was detected during load/sense of storage or data mismatch occurred).
E02E	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	Self-test failed during CSP run test (CSP inactive after PCB start, or processor check detected)
E02F	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	Self-test failed during CSP stop test (CSP active after PCB Start, or processor check detected).
E030	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	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	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	CSP is at an EC level which is not compatible with Panel processor microcode.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E032	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	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	A1G2 A1F2  A1D2	90 5	92X3293 92X3221 92X7255 92X3294	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV) Data Storage Adapter	Self-test failed CSP active check after PCB reset command was removed (CSP active following a PCB reset command).
E034	A1G2 A1F2	90 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	Self-test failed in MC MAB wrap test (an error was detected during load/sense of MC MAB or a data mismatch occurred).
E050	Panel Bse Pwr	95 3	92X3214 1035350	Control panel Base Power Supply	A Panel function couldn't be selected or the selected function could not be started (function display did not flash) when the Start Function was pressed. Go to Control Panel Procedure 505 in MIM.
E051	Panel A1F2	80 10	92X3214 92X3221 92X7255	Control panel WS/Panel Cd. WS/Panel Cd. (II,IV)	Lamp Test failed. Go to Control Panel Procedures in MIM.
E052	Panel A1F2	80 10	92X3214 92X3221 92X7255	Control panel WS/Panel Cd. WS/Panel Cd. (II,IV)	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 Procedures in MIM.
E080	A1G2	99	92X3293	CSP card	Unconditional branch failed.
E081	A1G2	99	92X3293	CSP card	Conditional branch failed.
E082	A1G2 A1E2	90 9	92X3293 92X3296	CSP card WS Controller feature	Branch and link failed.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E083	A1G2	99	92X3293	CSP card	Test mask instruction failed.
E084	A1G2	99	92X3293	CSP card	Hi/Lo work register selection failed.
E085	A1G2	99	92X3293	CSP card	CI instruction failed.
E086	A1G2	99	92X3293	CSP card	SI instruction failed.
E087	A1G2	99	92X3293	CSP card	One byte logical instruction failed.
E088	A1G2	99	92X3293	CSP card	One byte arithmetic instruction failed.
E089	A1G2	99	92X3293	CSP card	Two byte logical instruction failed.
E08A	A1G2	99	92X3293	CSP card	Two byte arithmetic instruction failed.
E08C	A1G2	99	92X3293	CSP card	Hex branch failed.
E08E	A1G2	99	92X3293	CSP card	Hex move failed.
E08F	A1G2	99	92X3293	CSP card	Initialization of low 32k of storage failed. Initialize CSP/SS control store.
E090	A1G2	99	92X3293	CSP card	Storage test of high 32k of storage failed. Storage and ECC check bit read/write.
E091	A1G2	99	92X3293	CSP card	Write of low 32k of storage to high 32k of storage failed. Storage and ECC check bit read/write.
E092	A1G2	99	92X3293	CSP card	Storage test of low 32k of storage failed. Storage and ECC check bit read/write.
E093	A1G2	99	92X3293	CSP card	Write of high 32k of storage to low 32k of storage failed. Storage and ECC check bit read/write.
E094	A1G2	99	92X3293	CSP card	Base plug displacement instruction failed or bar bit incorrect.
E095	A1G2	99	92X3293	CSP card	Read or write of word to or from storage failed.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E096	A1G2	99	92X3293	CSP card	Read or write of byte to or from storage, or bar bit incorrect.
E097	A1G2	99	92X3293	CSP card	Load from control store direct area failed.
E098	A1G2	99	92X3293	CSP card	Load or sense of channel register failed.
E099	A1G2 A1D2 A1F2 A1E2  B1-G  A1-BD - > > > > - A1G2 A1D2 A1B2 A1F2 A1E2  B1-G  A1-BD	40 20 10 10  15  2  30 20 10 10  5  2	92X3293 92X3294 92X3221 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243  > > > >  92X3293 92X3294 92X6495 92X7255 92X3296 92X3295 21F4225 21F4226 92X7243	CSP card Data Storage Adapter WS/Panel Cd. WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III) MS Card 2MB (III) A1 Board  5363 II, IV  CSP card Data Storage Adapter DSA (II,IV) WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	DBI or DBO bits are at an incorrect value. See Channel isolation procedure 155 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS	
E09A	A1G2	40	92X3293	CSP card	TBI or ARS bits are at an incorrect value. See channel isolation procedure 155 in the MIM.	
	A1D2	20	92X3294	Data Storage Adapter		
	A1F2	10	92X3221	WS/Panel Cd.		
	A1E2	10	92X3296	WS Controller feature		
				92X3295		WS Pass Through
	B1-G	5	92X3222	MS Card 1MB		
				92X7231		MS Card 2MB
				21F4225		MS Card 1MB (III)
				21F4226		MS Card 2MB (III)
	A1-BD	2	92X7243	A1 Board		
	-					
	> > > >			> > > >		5363 II, IV
	-					
	A1G2	30	92X3293	CSP card		
	A1D2	20	92X3294	Data Storage Adapter		
	A1B2	10	92X6495	DSA (II,IV)		
	A1F2		92X7255	WS/Panel Cd. (II,IV)		
A1E2	10	92X3296	WS Controller feature			
			92X3295	WS Pass Through		
B1-G	5	21F4225	MS Card 1MB (III,IV)			
			21F4226	MS Card 2MB (III,IV)		
A1-BD	5	92X7243	A1 Board			
E09C	A1G2	99	92X3293	CSP card	Software set machine check interrupt failed.	
E09E	A1G2	99	92X3293	CSP card	Disable checks failed.	
E09F	A1G2	40	92X3293	CSP card	Force MC interrupt via invalid dev addr failed or enable checks failed. See channel isolation procedure 155 in the MIM.	
	A1D2	20	92X3294	Data Storage Adapter		
	A1F2	15	92X3221	WS/Panel Cd.		
	B1-G	10	92X3222	MS Card 1MB		
				92X7231		MS Card 2MB
				21F4225		MS Card 1MB (III)
				21F4226		MS Card 2MB (III)
	A1E2	5	92X3296	WS Controller feature		
	A1-BD	5	92X7243	A1 Board		
	A1E2	5	92X3295	WS Pass Through		
	-					
	> > > >			> > > >		5363 II, IV
	-					
	A1G2	30	92X3293	CSP card		
	A1D2	20	92X3294	Data Storage Adapter		
	A1B2	10	92X6495	DSA (II,IV)		
	A1F2		92X7255	WS/Panel Cd. (II,IV)		
A1E2	10	92X3296	WS Controller feature			
			92X3295	WS Pass Through		
B1-G	5	21F4225	MS Card 1MB (III,IV)			
			21F4226	MS Card 2MB (III,IV)		
A1-BD	2	92X7243	A1 Board			

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E0A0	A1G2	99	92X3293	CSP card	Force MC interrupt via LSR parity check failed.
E0A1	A1G2	99	92X3293	CSP card	Force MC interrupt via storage parity check failed.
E0A2	A1G2 A1D2 A1F2 A1E2 B1-G  A1-BD - > > > > - A1G2 A1D2 A1B2 A1F2 A1E2 B1-G A1-BD	35 20 10 10 5  3  30 20 10 10 4 2	92X3293 92X3294 92X3221 92X3296 92X3295 92X3222 92X7231 21F4225 21F4226 92X7243   92X3293 92X3294 92X6495 92X7255 92X3296 92X3295 21F4225 21F4226 92X7243	CSP card Data Storage Adapter WS/Panel Cd. WS Controller feature WS Pass Through MS Card 1MB MS Card 2MB MS Card 1MB (III) MS Card 2MB (III) A1 Board   5363 II, IV  CSP card Data Storage Adapter DSA (II,IV) WS/Panel Cd. (II,IV) WS Controller feature WS Pass Through MS Card 1MB (III,IV) MS Card 2MB (III,IV) A1 Board	Extraneous interrupt pending. See channel isolation procedure 155 in MIM.
E0A3	A1G2	99	92X3293	CSP card	Interrupt level 5 structure test failed.
E0A4	A1G2	99	92X3293	CSP card	Disable interrupts failed.
E0A5	A1G2 A1F2	94 5	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	One of interrupt level 1 through 4 failed.
E0A6	A1G2	99	92X3293	CSP card	Load/sense of run control byte failed.
E0A7	A1G2	99	92X3293	CSP card	Load/sense of LSR failed.
E0A8	A1G2	99	92X3293	CSP card	CSP/SS test complete, channel problem.
E3A0					Disk Loader Entry SRC. Unexpected error. ReIPL with wraps. If no errors, reload micro-code. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E3A1	A1C2 Drive A DL card Drive A DL card Drive A DL card	80 5 10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	No valid alternate table. See procedure 121 in the MIM.
E3A2	A1C2 Drive A DL card Drive A DL card Drive A DL card	50 15 25	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card	Timeout error. See Procedure 121 in the MIM.
E3A3	A1C2 A1D2 A1B2	60 30 5	92X3224 92X7256 92X3294 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Data Storage Adapter DSA (II,IV)	Channel interface error. Check top card connector before replacing any FRUs. See Procedure 121 in the MIM.
E3A4	A1C2 A1D2 A1B2	45 45 5	92X3224 92X3224 92X3294 92X6495	Disk Adapter Card Disk Adapter Card Data Storage Adapter DSA (II,IV)	DCP parity error. See Procedure 121 in the MIM.
E3A5	A1C2 Drive A DL card Drive A DL card Drive A DL card A1D2 A1B2	60 5 15 10 5	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3294 92X6495	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Data Storage Adapter DSA (II,IV)	DMA parity error. Reseat cable J26&27 & top card connector and reIPL with wraps. See Procedure 121 in the MIM.
E3A6	A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27	45 15 25 10	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable	Cable continuity error. Reseat cable J26&27 and reIPL with wraps. See Procedure 121 in the MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E3A7	A1C2 Drive A DL card Drive A DL card Drive A DL card J26&27	65 10 20    2	92X3224 92X7256 69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3300	Disk Adapter Card Dsk Adptr Cd (II,III,IV) Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Cable	Loader media error. Exchange Disk Adapter Card first. If Problem continues see Procedure 121 in the MIM.
E3A8	Drive A DL card Drive A DL card Drive A DL card A1C2	30 40    20	69X6909 6370793 92X7320 6370951 21F4250 21F4580 92X3224 92X7256	Disk Drive A 65MB 65Mb Drive Logic Card Disk Drive A 105MB 105Mb Drive Logic Card Disk Drive A 314MB 314Mb Drive Logic Card Disk Adapter Card Dsk Adptr Cd (II,III,IV)	Drive error. Reseat cable J26&27 and reIPL with wraps. See Procedure 121 in the MIM.
E3A9					-- DISK LOAD COMPLETE Code loaded was invalid. Reload microcode. See Procedure 121 in the MIM.
F000					The diskette inserted is not a CSIPL diskette.
F090	A1D2 Diskett	98 2	92X3294 -----	Data Storage Adapter User diskette	This code indicates that an error occurred while running the diskette bootstrap loader.
FFFF	A1G2 A1F2 A1F2	45 45	92X3293 92X3221 92X7255	CSP card WS/Panel Cd. WS/Panel Cd. (II,IV)	Unknown system Reference code. Replace specified FRU's first. If that fails to fix the problem go to Procedure 155 in the MIM.

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**International Business Machines Corporation**  
Information Development  
Department 245  
Rochester, Minnesota, U.S.A. 55901



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**5363 System Unit  
System Reference Codes (SRC)**

International Business Machines Corporation

Order Number  
SY31-9055-4