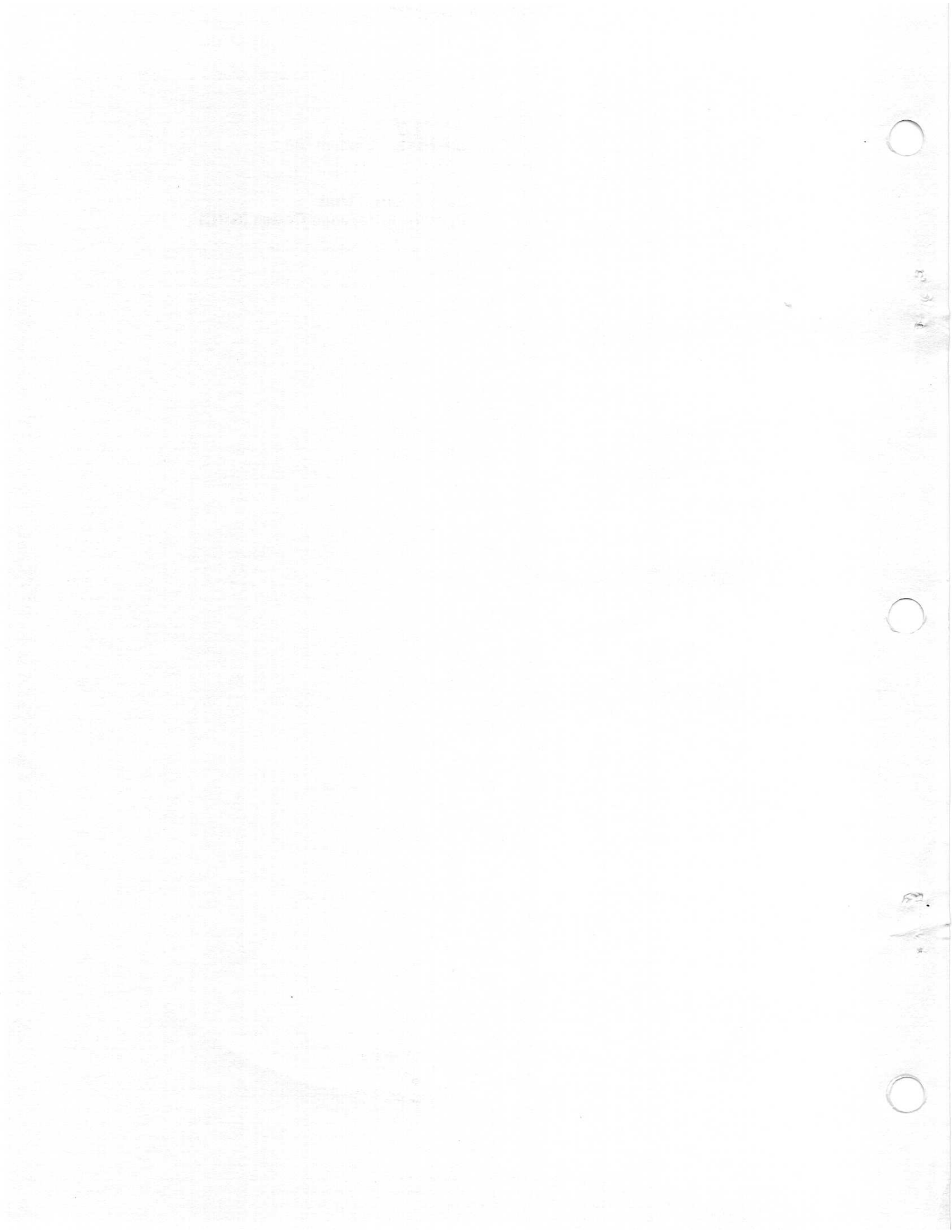


**IBM** System/36

**5364 System Unit  
System Reference Codes (SRC)**

Order Number  
SY31-9027-1



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## **Second Edition (January 1986)**

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# 5362 System Reference Code (SRC)

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

System Reference Code Table

SRC	Device	Card	Row	Frame
0000	Program	1	A	3
1400	5364 attachment program	1	C	1
1600	CSP	1	C	6
1800	Communications	1	C	10
1900	Disk	1	C	14
1C00	Work station	1	D	1
1d00	Diskette	1	D	2
3200	Memory	1	E	1
9A00	Planar	2	A	1
d300	MSP	2	B	11

# A1

# 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.
- Use the SRC to determine:
  - Failing feature or device.
  - Probable failing FRUs with % of probability.
  - FRU part numbers.
  - Need for programming support.
  - References to the maintenance package.
- This information will allow the service representative to determine what service action is required and what FRUs should be taken on the service call.
- Start at Frame A1 and follow the instructions as they are presented to find the SRC.
- If no SRC is reported, the service representative should contact the customer and determine if information is available to create an SRC.

**A2**

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.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
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.
0013	Program				With program check on--- Main storage program exception.
0014	Program				With program check on--- Invalid main storage address access by MSP.
0015	Program				With program check on--- Invalid main storage operation code. Intermittent hardware errors can cause this failure. See section on Intermittent failures in the 5364 MIM.
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 section on Intermittent failures in the 5364 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.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
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 failures in 5364 MIM.
0031	Program				With program check on--- Permanent diskette error during IPL from diskette.
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 section on disk failures in 5364 MIM.
0034	Program				With program check on--- Disk error--unrecoverable hardware error. See section on disk failures in 5364 MIM.
0035	Program				With program check on--- Disk error--unrecoverable or invalid sector. See section on disk failures in 5364 MIM.
0036	Program				With program check on--- Disk error--no alternative sectors available. See section on disk failures in 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0037	Program				With program check on--- Error TB address is invalid.
0038	Program				With program check on--- Disk error--data accessed may be invalid. See section on disk failures in 5364 MIM.
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 section on Intermittent failures in the 5364 MIM.
0041	Hardwar  Program				Idle detected. --- or --- With program check on--- System is in a wait or infinite loop.
0042	Hardwar				Receive clock failed.
0043	Hardwar				Data set ready line active (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
0046	Program				With program check on--- Error ACE is the dump ACE
0047	Program				With program check on--- Main storage 2K segment error.
0048	Program				With program check on--- Invalid tape IOB parameters.
0049	Program				With program check on--- Invalid device-to-device IOB parameter.
0050	Hardwar Program				Clear to send error. --- or --- With program check on--- Disk error--loading control storage module.
0051	Hardwar				Transmit clock failed.
0052	Hardwar Program				Transmit hardware error. --- or --- With program check on--- Invalid assign SVC or free SVC parameters.
0053	Program				With program check on--- Disk error--loading control storage transient
0054	Program				With program check on--- Invalid sector address calculated on TWA request
0055	Program				With program check on--- Nonprivileged pgm accessing privileged transient.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0056	Program				With program check on--- Dump requested by SETDUMP utility.
0058	Program				With program check on--- Invalid I/O device address in a work station IOB.
0059	Program				With program check on--- Permanent work station error during MSIPL.
0060	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- (SDLC only) Counts the test frames received from the host system with CRC errors during a link test --- or --- With program check on--- Permanent assign failure.
0061	Remote WS Cntl  Program				Appears in ERAP table for remote work station controller. ----- (SDLC only) Counts the test frames received from the host system without CRC errors during a link test. --- or --- With program check on--- Invalid emulation instruction.



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0065	Remote WS Cntl  Program				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the loss of the "clear to send" line during a transmit operation.</p> <p>--- or ---</p> <p>With program check on--- ATR load error on logging device data.</p>
0066	Remote WS Cntl  Program				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the loss of the "data set ready" line during a transmit or receive operation.</p> <p>--- or ---</p> <p>With program check on--- ERB not found.</p>
0067	Remote WS Cntl  Program				<p>Appears in ERAP table for remote work station controller.</p> <p>-----</p> <p>Counts the loss of the "reject" commands sent by the work station controller.</p> <p>--- or ---</p> <p>With program check on--- Disk error during device controller load.</p>

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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
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.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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 section on disk failures in 5364 MIM.
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
0082	Program				With program check on-- Invalid translated parameter list--not mapped

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0083	Program				With program check on-- SVC map parameter list is in error. Intermittent hardware errors can cause this failure. See section on Intermittent failures in the 5364 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 section on Intermittent failures in the 5364 MIM.
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 section on Intermittent failures in the 5364 MIM.
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 J7	60 30 10	----- 6369810	Twinax/IBM cbl system WS adapter card	The work station display is not responding within 127 microseconds.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0101	J7 WS cbl Display  Program	60 30 10	6369810 -----	WS adapter card Twinax/IBM cbl system	The Twinax driver/receiver is failing.  --- or --- With program check on-- Device unit block has an invalid device ID.
0102	Program				With program check on-- \$NUPD was called for a not supported function.
0103	Noise WS cbl Display J7	60 30 7 3	----- 6369810	Twinax/IBM cbl system WS adapter card	The work station attachment detected a parity error.
0104	Noise WS cbl Display J7	60 30 7 3	----- 6369810	Twinax/IBM cbl system WS adapter card	The twinax display detected a parity error
0105	Remote WS Cntl   Program				Appears in ERAP table for remote work station controller. ----- Work station not accessible. --- or --- With program check on-- POSTI failure of a task.
0106	WS cbl Display J7  Program	80 10 10	----- 6369810	Twinax/IBM cbl system WS adapter card	The work station attachment detected a byte count error. --- or --- With program check on-- TWA SVC cannot honor WSW get/put request.

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 J7  Program	95 5	6369810	WS adapter card	The work station display reset at the wrong time. --- or --- With program check on-- TWA base ID does not exist
0109	Noise Display J7 WS cbl  Program	40 30 20 10	6369810 -----	WS adapter card Twinax/IBM cbl system	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 J7 J3  Program	80 10 5 5	----- 6369810 6369808 6201918	Twinax/IBM cbl system WS adapter card 256 KB Memory card 1 MB Memory card	Invalid scan code for work station display.  --- or --- With program check on-- Active map count underflow

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0112	Program				With program check on-- CSP accessed an invalid main storage address. Intermittent hardware errors can cause this failure. See section on Intermittent failures in the 5364 MIM.
0113	Program				With program check on-- I/O operation issued to active IOB.
0120	Noise Display J7 WS cbl J3	40 25 20 10 5	6369810 ----- 6369808 6201918	WS adapter card Twinax/IBM cbl system 256 KB Memory card 1 MB Memory card	The command sent to the work station display was not a valid command.
0121	Noise Display J7 WS cbl J3	40 25 20 10 5	6369810 ----- 6369808 6201918	WS adapter card Twinax/IBM cbl system 256 KB Memory card 1 MB Memory card	The address counter value sent to the work station display was too large.
0122	J7 J3  Display WS cbl	35 35  20 10	6369810 6369808 6201918  -----	WS adapter card 256 KB Memory card 1 MB Memory card  Twinax/IBM cbl system	The amount of command bytes sent to the display was too large.
0123	Noise Display J7 WS cbl J3	40 25 20 10 5	6369810 ----- 6369808 6201918	WS adapter card Twinax/IBM cbl system 256 KB Memory card 1 MB Memory card	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 J7 WS cbl J3	40 25 20 10 5	6369810 ----- 6369808 6201918	WS adapter card Twinax/IBM cbl system 256 KB Memory card 1 MB Memory card	The activate command sent to the work station display was not valid.
0125	Display WS cbl J7 J3	60 20 10 10	----- 6369810 6369808 6201918	Twinax/IBM cbl system WS adapter card 256 KB Memory card 1 MB Memory card	Work station error status was not valid.
0127	Display J7 WS cbl J3	50 30 10 10	6369810 ----- 6369808 6201918	WS adapter card Twinax/IBM cbl system 256 KB Memory card 1 MB Memory card	The address counter value sent to an IGC work station display in extended character mode was too large.
0149	J7	40	6369810	WS adapter card	The work station attachment has reported an error, but the error status is not valid.
0186	Display WS cbl J7 J3	75 15 5 5	----- 6369810 6369808 6201918	Twinax/IBM cbl system WS adapter card 256 KB Memory card 1 MB Memory card	The work station display indicated a magnetic stripe reader operation occurred when no reader was installed.
0189	Display WS cbl J7 J3	75 15 5 5	----- 6369810 6369808 6201918	Twinax/IBM cbl system WS adapter card 256 KB Memory card 1 MB Memory card	The work station display indicated a magnetic stripe reader operation occurred even though no 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.



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0191	Display	99			The work station display cannot complete a command in 460 milliseconds. Indicates a work station display failure.
0200	Printer WS cbl J7	60 30 10	----- 6369810	Twinax/IBM cbl system WS adapter card	The work station printer is not responding within 127 microseconds.
0201	J7 WS cbl Printer  Program	60 30 10	6369810 -----	WS adapter card Twinax/IBM cbl system	The Twinax driver/receiver is failing.  --- or --- With program check on-- Device unit block has an invalid device ID.
0202	Program				With program check on-- Disk error--loading file subsystem transient.
0203	Noise WS cbl Printer J7	60 30 7 3	----- 6369810	Twinax/IBM cbl system WS adapter card	The work station attachment detected a parity error.
0204	Noise WS cbl Printer J7	60 30 7 3	----- 6369810	Twinax/IBM cbl system WS adapter card	The work station printer detected a parity error
0205	Remote WS Printer  Program				Appears in ERAP table for remote work station controller. ----- Work station printer not accessible. --- or --- With program check on-- DSC register stack underflow/overflow.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0206	WS cbl Printer J7  Program	80 10 10	-----  6369810	Twinax/IBM cbl system  WS adapter card	The work station attachment detected a byte count error. --- or --- With program check on-- TWA SVC cannot honor WSW get/put request.
0207	Remote WS Printer  Program				Appears in ERAP table for remote work station controller. ----- Wrong work station printer responded. --- or --- With program check on-- ATR error from DSC -- invalid data buffer length
0208	Printer J7  Program	95 5	6369810	WS adapter card	The work station printer reset at the wrong time. --- or --- With program check on-- TWA base ID does not exist
0209	Noise Printer J7 WS cbl  Program	40 30 20 10	6369810 -----	WS adapter card Twinax/IBM cbl system	The work station printer failed to respond to a command.  --- or --- With program check on-- Invalid task work area operation.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0211	Printer  Program	99			Machine check - 5219/5224/ 5225 work station printers or DMA operation time-out for 5553/5557 work station printers. --- or --- With program check on-- Invalid device ID in IOB on return from DSC.
0212	Printer  Program	99			Machine check - 5219 work station printers. --- or --- With program check on-- Invalid SIO logged IOB.
0214	Program				With program check on-- Invalid SMF IOB.
0220	Noise Printer J7 WS cbl J3	40 25 20 10 5	  6369810 ----- 6369808 6201918	WS adapter card Twinax/IBM cbl system 256 KB Memory card 1 MB Memory card	The command sent to the work station printer was not a valid command.
0221	Printer WS cbl J7 J3	60 20 10 10	 ----- 6369810 6369808 6201918	Twinax/IBM cbl system WS adapter card 256 KB Memory card 1 MB Memory card	The work station printer has reported an error but the exception status is invalid.
0222	J7 J3  Printer WS cbl	35 35  20 10	6369810 6369808 6201918  -----	WS adapter card 256 KB Memory card 1 MB Memory card  Twinax/IBM cbl system	The number of command bytes sent to the printer was too large.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0223	Noise Printer J7 WS cbl J3	40 25 20 10 5	6369810 ----- 6369808 6201918	WS adapter card Twinax/IBM cbl system 256 KB Memory card 1 MB Memory card	The work station printer did not respond to an activate command and did not report a parity error
0224	Noise Printer J7 WS cbl J3	40 25 20 10 5	6369810 ----- 6369808 6201918	WS adapter card Twinax/IBM cbl system 256 KB Memory card 1 MB Memory card	The activate command sent to the work station printer was not valid.
0225	Printer WS cbl J7 J3	60 20 10 10	----- 6369810 6369808 6201918	Twinax/IBM cbl system WS adapter card 256 KB Memory card 1 MB Memory card	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.
0230	Printer	99			Printer mechanism not ready. See the work station printer manual.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
0237	Printer	99			Print check. See the work station printer manual.
0238	Printer	99			Print check. See the work station printer manual.
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.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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.
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.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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 J7  Program	80 10 10	----- 6369810	Twinax/IBM cbl system WS adapter card	The work station printer has reported a unit error See the work station printer manual. --- or --- With program check on-- IBM module has invalid WTG 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.
0249	Printer WS cbl J7  Program	90 8 5	----- 6369810	Twinax/IBM cb! system WS adapter card	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.

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<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>0250</b>	<b>Printer</b>  <b>Program</b>	<b>99</b>			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.
<b>0251</b>	<b>Printer</b>  <b>Program</b>	<b>99</b>			Printer not available. See the work station printer manual. --- or --- With program check on-- Format-5 file count is less than zero.
<b>0252</b>	<b>Program</b>				With program check on-- An AFA Format 1 has an invalid file type.
<b>0253</b>	<b>Program</b>				With program check on-- Unexpected return code from diskette VTOC R/W.
<b>0254</b>	<b>Program</b>				With program check on-- Unexpected return code from disk VTOC access.
<b>0255</b>	<b>Printer</b>				Shared printer busy.
<b>0258</b>	<b>Printer</b>	<b>99</b>			End of ribbon. See the work station printer manual.
<b>0266</b>	<b>Printer</b>	<b>99</b>			The work station printer (5219) 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>
<b>0267</b>	<b>Printer</b>	<b>99</b>			The work station printer (5219) has a data stream error. See the work station printer manual.
<b>0268</b>	<b>Printer</b>	<b>99</b>			The work station printer (5219) has a data stream error. See the work station printer manual.
<b>0269</b>	<b>Printer</b>	<b>99</b>			The work station printer (5219) has a data stream error. See the work station printer manual.
<b>0281</b>	<b>Printer</b>	<b>99</b>			The work station printer has a cover check or machine check. See the work station printer manual.
<b>0283</b>	<b>Printer</b>	<b>99</b>			The work station printer has a print check. See the work station printer manual.
<b>0284</b>	<b>Printer</b>	<b>99</b>			The work station printer has a print check. See the work station printer manual.
<b>0285</b>	<b>Printer</b>	<b>99</b>			The work station printer has a printer check. See the work station printer manual.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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.
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	J4 J5	50 50	6369812 6369815	MSP data flow card MSP control card	MSP error.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
1111					Hardware default code. Error condition was not evaluated. RelPL to obtain a refined SRC. If system completes IPL, look in ERAP for SRCs at the time of RelPL.
1200	J3 Planar	98 1	6201918 6369807	1 MB Memory card 5364 Planar board	
1201	J3 J4 Planar	94 4 1	6201918 6369812 6369807	1 MB Memory card MSP data flow card 5364 Planar board	
1208	J3 Planar	98 1	6369808 6369807	256 KB Memory card 5364 Planar board	
120D	J4 J5	96 3	6369812 6369815	MSP data flow card MSP control card	
120E	J4 J5	97 2	6369812 6369815	MSP data flow card MSP control card	
1210	J4 J3 J5 Planar	87 10 1 1	6369812 6201918 6369815 6369807	MSP data flow card 1 MB Memory card MSP control card 5364 Planar board	
1211	J4 J3 J5 Planar	87 10 1 1	6369812 6201918 6369815 6369807	MSP data flow card 1 MB Memory card MSP control card 5364 Planar board	
1218	J4 J3 J5 Planar	74 23 1 1	6369812 6369808 6369815 6369807	MSP data flow card 256 KB Memory card MSP control card 5364 Planar board	
121D	J5 J4	98 1	6369815 6369812	MSP control card MSP data flow card	
121E	J5 J4	98 1	6369815 6369812	MSP control card MSP data flow card	

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1220	J4	86	6369812	MSP data flow card	
	J3	11	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1221	J4	86	6369812	MSP data flow card	
	J3	11	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1228	J4	72	6369812	MSP data flow card	
	J3	25	6369808	256 KB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
122D	J4	99	6369812	MSP data flow card	
122E	J4	99	6369812	MSP data flow card	
1230	J4	88	6369812	MSP data flow card	
	J3	8	6201918	1 MB Memory card	
	J5	2	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1231	J4	88	6369812	MSP data flow card	
	J3	8	6201918	1 MB Memory card	
	J5	2	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1238	J4	78	6369812	MSP data flow card	
	J3	18	6369808	256 KB Memory card	
	J5	2	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
123D	J5	98	6369815	MSP control card	
	J4	1	6369812	MSP data flow card	
123E	J5	97	6369815	MSP control card	
	J4	2	6369812	MSP data flow card	
1240	J4	74	6369812	MSP data flow card	
	J3	24	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1241	J4	74	6369812	MSP data flow card	
	J3	24	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1248	J4	53	6369812	MSP data flow card	
	J3	44	6369808	256 KB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
124D	J5	99	6369815	MSP control card	
124E	J5	99	6369815	MSP control card	
1250	J4	68	6369812	MSP data flow card	
	J3	29	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1251	J4	68	6369812	MSP data flow card	
	J3	29	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1258	J3	49	6369808	256 KB Memory card	
	J4	48	6369812	MSP data flow card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
125E	J5	99	6369815	MSP control card	
1260	J4	80	6369812	MSP data flow card	
	J5	10	6369815	MSP control card	
	J3	8	6201918	1 MB Memory card	
	Planar	1	6369807	5364 Planar board	
1261	J4	80	6369812	MSP data flow card	
	J5	10	6369815	MSP control card	
	J3	8	6201918	1 MB Memory card	
	Planar	1	6369807	5364 Planar board	

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1268	J4	76	6369812	MSP data flow card	
	J3	12	6369808	256 KB Memory card	
	J5	10	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
126E	J5	99	6369815	MSP control card	
1270	J3	65	6201918	1 MB Memory card	
	J4	19	6369812	MSP data flow card	
	J5	14	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1271	J3	65	6201918	1 MB Memory card	
	J4	19	6369812	MSP data flow card	
	J5	14	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1278	J3	85	6369808	256 KB Memory card	
	J4	8	6369812	MSP data flow card	
	J5	5	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
127D	J4	92	6369812	MSP data flow card	
	J5	7	6369815	MSP control card	
1280	J3	97	6201918	1 MB Memory card	
	J4	1	6369812	MSP data flow card	
	Planar	1	6369807	5364 Planar board	
1281	J3	97	6201918	1 MB Memory card	
	J4	1	6369812	MSP data flow card	
	Planar	1	6369807	5364 Planar board	
1288	J3	97	6369808	256 KB Memory card	
	J4	1	6369812	MSP data flow card	
	Planar	1	6369807	5364 Planar board	
12D0	J4	51	6369812	MSP data flow card	
	J3	46	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
12D1	J4	51	6369812	MSP data flow card	
	J3	46	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
12D8	J4	51	6369812	MSP data flow card	
	J3	46	6369808	256 KB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
12E0	J3	62	6201918	1 MB Memory card	
	J4	19	6369812	MSP data flow card	
	J5	17	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
12E1	J3	62	6201918	1 MB Memory card	
	J4	19	6369812	MSP data flow card	
	J5	17	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
12E8	J3	83	6369808	256 KB Memory card	
	J4	8	6369812	MSP data flow card	
	J5	7	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
12F0	J3	96	6201918	1 MB Memory card	
	J4	2	6369812	MSP data flow card	
	Planar	1	6369807	5364 Planar board	
12F1	J3	96	6201918	1 MB Memory card	
	J4	2	6369812	MSP data flow card	
	Planar	1	6369807	5364 Planar board	
12F8	J3	97	6369808	256 KB Memory card	
	J4	1	6369812	MSP data flow card	
	Planar	1	6369807	5364 Planar board	
12FE	J5	37	6369815	MSP control card	MSP/MS error occurred, but could not be logged.
	J4	37	6369812	MSP data flow card	
	J3	5	6369808	256 KB Memory card	
	Planar	1	6201918 6369807	1 MB Memory card 5364 Planar board	

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
12FF	J5 J4 J3 Planar	37 37 5 1	6369815 6369812 6369808 6201918 6369807	MSP control card MSP data flow card 256 KB Memory card 1 MB Memory card 5364 Planar board	Unexpected error.
1400	Program				S36 attachment program (S36PC88.EXE) rel-3 or (S36PCAP.EXE) rel-4 had insufficient storage to load. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1401	Program				S36 attachment program had a storage error during IPL. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1403	Program Planar PCdrive J1	50 30 19	6369807 4234520 6369814	5364 Planar board Driver card in PC Receiver card	PC ATR's disabled during IPL. If FRU replacement does not solve the problem Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1404	Program				S36 attachment program could not access a timer. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1408	Program J3  Planar PCdrive J1	85  5 5 5	6369808 6201918 6369807 4234520 6369814	256 KB Memory card 1 MB Memory card 5364 Planar board Driver card in PC Receiver card	S36 attachment program failure. The cause may be a hardware problem. ReIPL with wraps. If problem persists Call PSR with SRC and MIC code displayed on screen. Run APAR to collect data.
1410	Program				S36 PC manager could not be initialized. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1411	Program				S36 attachment program failed. S36COMM.COM may be missing or bad. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1412	Program				S36 attachment program failed. S365250I.COM may be missing or bad. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1413	Program				S36 attachment program failed. S36TPMGR.COM may be missing or bad. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1414	Program J3  Planar PCdrive J1	85  5 5 5	6369808 6201918 6369807 4234520 6369814	256 KB Memory card 1 MB Memory card 5364 Planar board Driver card in PC Receiver card	Invalid SPC modifier. The cause may be a hardware problem. Re IPL with wraps If problem persists take a dump and call PSR.
1416	Program				WS emulation code failed to load or initialize correctly. File S36S5250.COM may be bad. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.) Run S36S5250.COM and see PC Messages in Operating Your Computer manual.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1417	Program				5250 emulation MGR ID could not be found. The user may have started a DOS program which is not compatible with S36. If this is not the case, Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1418	Program				Can't open S36OPPL.TXT. File may be missing or drive is not ready. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1419	Program				Can't read S36OPPL.TXT. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
141A	Program				S36OPPL.TXT file too large for storage buffer. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1420	Program				<p>Can't open S36CONFIG.DAT. File may be missing or drive is not ready. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)</p>
1421	Program				<p>Can't read S36CONFIG.DAT. File may be missing or drive is not ready. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)</p>
1422	Program				<p>Can't write S36CONFIG.DAT. Diskette may be write protected or Drive not ready. File may be missing records. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)</p>
1426	Program				<p>Can't open S36TXT88.TXT. File may be missing. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)</p>

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
1427	Program				Can't read S36TXT88.TXT. File may be missing or drive is not ready. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
1430	Program				File of translated PTF messages PTFMSG.TXT not found while applying PTFs to PC Microcode. See Operating Your Computer Manual, Chapter 9.
1431	Program				Error reading file PTFMSG.TXT while applying PTFs to PC microcode. See Operating Your Computer Manual, Chapter 9.
1605	J6 J8 J7 Planar	45 45 1 1	6369813 6369811 6369810 6369807	CSP card Data stg attach card WS adapter card 5364 Planar board	Error during cycle steal or I/O instruction to/from DSA 1.
160A	J6 J7 J8 Planar	45 45 1 1	6369813 6369810 6369811 6369807	CSP card WS adapter card Data stg attach card 5364 Planar board	Error during cycle steal or I/O instruction to/from work station line adapter.
1620	J6 J4 J7 J8 Planar	30 30 30 1 1	6369813 6369812 6369810 6369811 6369807	CSP card MSP data flow card WS adapter card Data stg attach card 5364 Planar board	Error during cycle steal between MSP, work station line adapter.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1621	J6	30	6369813	CSP card	Error during cycle steal between MSP and DSA 1.
	J4	30	6369812	MSP data flow card	
	J8	30	6369811	Data stg attach card	
	J7	1	6369810	WS adapter card	
	Planar	1	6369807	5364 Planar board	
1630	J6	50	6369813	CSP card	3 second time out during cycle steal.
	J3	20	6369808	256 KB Memory card	
			6201918	1 MB Memory card	
	J4	10	6369812	MSP data flow card	
	J5	10	6369815	MSP control card	
	Planar	5	6369807	5364 Planar board	
1635	J6	90	6369813	CSP card	Storage check or LSR check.
	J7	5	6369810	WS adapter card	
1645	J6	30	6369813	CSP card	Error during SILSB on interrupt level 4.
	J8	30	6369811	Data stg attach card	
	J7	30	6369810	WS adapter card	
	Planar	1	6369807	5364 Planar board	
164A	J6	89	6369813	CSP card	Error during SILSB on interrupt level 2.
	J8	5	6369811	Data stg attach card	
	J7	5	6369810	WS adapter card	
	Planar	1	6369807	5364 Planar board	
1650	J6	45	6369813	CSP card	3 or 4 second time out.
	J4	45	6369812	MSP data flow card	
	J7	5	6369810	WS adapter card	
1670	J6	80	6369813	CSP card	
	J4	12	6369812	MSP data flow card	
	J3	5	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1671	J6	80	6369813	CSP card	
	J4	12	6369812	MSP data flow card	
	J3	5	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1678	J6	75	6369813	CSP card	The data written to stg had bad parity.
	J4	12	6369812	MSP data flow card	
	J3	9	6369808	256 KB Memory card	
			6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	Planar	1	6369807	5364 Planar board	
1680	J4	60	6369812	MSP data flow card	
	J3	36	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	J6	1	6369813	CSP card	
	Planar	1	6369807	5364 Planar board	
1681	J4	60	6369812	MSP data flow card	
	J3	36	6201918	1 MB Memory card	
	J5	1	6369815	MSP control card	
	J6	1	6369813	CSP card	
	Planar	1	6369807	5364 Planar board	
1688	J3	49	6369808	256 KB Memory card	Main stg write parity check.
			6201918	1 MB Memory card	
	J4	48	6369812	MSP data flow card	
	J5	1	6369815	MSP control card	
	J6	1	6369813	CSP card	
	Planar	1	6369807	5364 Planar board	
16E3	J6	60	6369813	CSP card	False MSP error during cycle steal.
	J4	40	6369812	MSP data flow card	
16E8	J6	59	6369813	CSP card	False MSP error.
	J4	41	6369812	MSP data flow card	
16EA	J6	94	6369813	CSP card	MSP MSAR parity check.
	J4	6	6369812	MSP data flow card	
16EC	J6	60	6369813	CSP card	MSP MSAR parity check during cycle steal.
	J4	40	6369812	MSP data flow card	



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
16F0	J6 J7	90 5	6369813 6369810	CSP card WS adapter card	CSP LSR Parity check. ReIPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from relPL.
16F1	J3 J4 Planar	70 20 5	6369808 6201918 6369812 6369807	256 KB Memory card 1 MB Memory card MSP data flow card 5364 Planar 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 relPL.
16F2	J4 J5 J3 Planar	50 30 10 5	6369812 6369815 6369808 6201918 6369807	MSP data flow card MSP control card 256 KB Memory card 1 MB Memory card 5364 Planar board	MSP error: Parity checks ReIPL. If sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from relPL.
16F3	J6 J8 J7 Planar J9	20 20 20 20 1	6369813 6369811 6369810 6369807 6369809	CSP card Data stg attach card WS adapter card 5364 Planar board Disk adapter card	CSP channel error. ReIPL. If sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from relPL.
16F4	J6 J7	90 5	6369813 6369810	CSP card WS adapter card	CSP ECC error. ReIPL. If sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from relPL.
16F5	Planar J6	50 49	6369807 6369813	5364 Planar board CSP card	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 relPL.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>16F6</b>	<b>J6 Planar</b>	<b>75 24</b>	<b>6369813 6369807</b>	<b>CSP card 5364 Planar board</b>	Interrupt level 2 occurred from an unknown device. RelPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from relPL.
<b>16F7</b>	<b>J6 J7 Planar</b>	<b>45 45 5</b>	<b>6369813 6369810 6369807</b>	<b>CSP card WS adapter card 5364 Planar board</b>	Interrupt level 3 occurred from an unknown device. RelPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from relPL.
<b>16F8</b>	<b>J6 J8 J7 Planar</b>	<b>20 20 20 1</b>	<b>6369813 6369811 6369810 6369807</b>	<b>CSP card Data stg attach card WS adapter card 5364 Planar board</b>	Interrupt level 4 occurred from an unknown device. RelPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from relPL.
<b>16FF</b>	<b>J6 J5 J4 J3 J8 J7 Planar</b>	<b>30 10 10 10 5 5 5</b>	<b>6369813 6369815 6369812 6369808 6201918 6369811 6369810 6369807</b>	<b>CSP card MSP control card MSP data flow card 256 KB Memory card 1 MB Memory card Data stg attach card WS adapter card 5364 Planar board</b>	Unknown CSP/MSP problem.  RelPL, if sign-on screen comes up, use ERAP to obtain a new SRC. Otherwise, use SRC from relPL.
<b>1800</b>					No failure detected. See communications problem isolation in the 5364 MIM.

**C10**

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
1801	SDLC cd		PC P/N	SDLC card in PC	PC SDLC communication adapter failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1802	BSC1 cd		PC P/N	Primary PC BSC card	PC BSC communication adapter failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1803	BSC2 cd		PC P/N	Secondary PC BSC card	PC BSC communication adapter failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1806	SDLC cd SDLCcbl		PC P/N PC P/N	SDLC card in PC SDLC cable	PC SDLC card or cable failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1807	BSC1 cd BSC1cbl		PC P/N PC P/N	Primary PC BSC card Primary PC BSC cable	PC BSC card or cable failure. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
1808	BSC2 cd BSC2cbl		PC P/N PC P/N	Secondary PC BSC card Secondary PC BSC cabl	PC BSC 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>
<b>180B</b>	<b>SDLCcbl</b>		<b>PC P/N</b>	<b>SDLC cable</b>	PC SDLC cable bad. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
<b>180C</b>	<b>BSC1cbl</b>		<b>PC P/N</b>	<b>Primary PC BSC cable</b>	PC BSC cable bad. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
<b>180D</b>	<b>BSC2cbl</b>		<b>PC P/N</b>	<b>Secondary PC BSC cabl</b>	PC BSC cable bad. Basic communication diagnostic test failure. Ensure that card and cable are seated before replacing FRU.
<b>1830</b>					BSC receive time-out data mode. This SRC will appear only in the error log.
<b>1831</b>					BSC not data set ready. This SRC will appear only in the error log.
<b>1832</b>					BSC abortive disconnect. This SRC will appear only in the error log.
<b>1833</b>					BSC receive adapter check. This SRC will appear only in the error log.
<b>1834</b>					BSC transmit adapter mode. This SRC will appear only in the error log.
<b>1835</b>					BSC block check (LRC/CRC/VRC) error. This SRC will appear only in the error log.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
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.
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.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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).
18FE					Unknown error. This SRC will appear only in the error log.
1901	J8 J9 Drive A or Drive B	70 10 10	6369811 6369809 4842971  4842971	Data stg attach card Disk adapter card Disk Drive A  Disk Drive B	Unrecoverable Disk Error  See section on disk failures in 5364 MIM.
1902	J9 J8 Drive A or Drive B	50 30 10	6369809 6369811 4842971  4842971	Disk adapter card Data stg attach card Disk Drive A  Disk Drive B	Unrecoverable Drive A Error  See section on disk failures in 5364 MIM
1903	J9 J8 Drive B	50 30 10	6369809 6369811 4842971	Disk adapter card Data stg attach card Disk Drive B	Unrecoverable Drive B Error. See section on disk failures is 5364 MIM.
190A	J9 Drive A	60 30	6369809 4842971	Disk adapter card Disk Drive A	See section on disk failures in 5364 MIM.
190B	J9 Drive B	60 30	6369809 4842971	Disk adapter card Disk Drive B	See section on disk failures in 5364 MIM.
190E					Permanent ECC check. Customer may need to run BUILD procedure. See section on disk failures in 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
190F					Permanent ECC check. Customer may need to run BUILD procedure. See section on disk failures in 5364 MIM.
1910	J9 J8 Drive A or Drive B	40 40 10	6369809 6369811 4842971 4842971	Disk adapter card Data stg attach card Disk Drive A Disk Drive B	Interrupt Timeout Check.  See section on disk failures in 5364 MIM.
1911	J8	90	6369811	Data stg attach card	Cycle Steal Address Check. See section on disk failures in 5364 MIM.
1912	J8 J9	50 40	6369811 6369809	Data stg attach card Disk adapter card	Channel DPC Parity Error. See section on disk failures in 5364 MIM.
1913	J8	90	6369811	Data stg attach card	Channel DMA Parity Error. See section on disk failures in 5364 MIM.
1914	J8	90	6369811	Data stg attach card	Argument Load Error.
1915	J9 J8	50 40	6369809 6369811	Disk adapter card Data stg attach card	Interface Busy Timeout. See section on disk failures in 5364 MIM.
1916	J8 J9	50 40	6369811 6369809	Data stg attach card Disk adapter card	DSA Data Bus Parity Error. See section on disk failures in 5364 MIM.
1917	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	Bad Block Detected. Customer may need to run Initialize. See section on disk failures in 5364 MIM.
1918	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	ECC error. Customer may need to run Initialize. See section on disk failures in 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1919	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	No record found. Customer may need to run Initialize. See section on disk failures in 5364 MIM.
191A	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	Command aborted and write fault. See section on disk failures in 5364 MIM.
191C	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	Command aborted and drive not ready. See section on disk failures in 5364 MIM.
191E	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	Command aborted. See section on disk failures in 5364 MIM.
1920	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	No data sync found. Customer may need to run Initialize. See section on disk failures in 5364 MIM.
1921	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	Write fault. See section on disk failures in 5364 MIM.
1923	J8 J9	50 40	6369811 6369809	Data stg attach card Disk adapter card	DLC detected DMA parity. See section on disk failures in 5364 MIM.
1925	J8 J9	50 40	6369811 6369809	Data stg attach card Disk adapter card	DLC detected DPC parity. See section on disk failures in 5364 MIM.
1926	J9 J8	60 30	6369809 6369811	Disk adapter card Data stg attach card	Overrun/Underrun. See section on disk failures in 5364 MIM.



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1928	J9 Drive A or Drive B	60 30	6369809 4842971 4842971	Disk adapter card Disk Drive A Disk Drive B	Command aborted during ECC correction. See section on disk failures in 5364 MIM.
197F					Unable to determine the cause of failure. See section on disk failures in 5364 MIM.
1990	J9 J8 Drive A or Drive B	40 40 10	6369809 6369811 4842971 4842971	Disk adapter card Data stg attach card Disk Drive A Disk Drive B	Interrupt timeout check.  See section on disk failures in 5364 MIM.
1991	J8	90	6369811	Data stg attach card	Cycle steal address check. See section on disk failures in 5364 MIM.
1992	J8 J9	50 40	6369811 6369809	Data stg attach card Disk adapter card	Channel DPC parity error. See section on disk failures in 5364 MIM.
1993	J8	90	6369811	Data stg attach card	Channel DMA parity error. See section on disk failures in 5364 MIM.
1994	J8	90	6369811	Data stg attach card	Argument load error. See section on disk failures in 5364 MIM.
1995	J9 J8	50 40	6369809 6369811	Disk adapter card Data stg attach card	Interface busy timeout. See section on disk failures in 5364 MIM.
1996	J8 J9	50 40	6369811 6369809	Data stg attach card Disk adapter card	DSA data bus parity error. See section on disk failures in 5364 MIM
1997	J9 A Drive A or Drive B	60 30	4842971 4842971	Disk Drive A Disk Drive B	Bad block detected.  See section on disk failures in 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1998	J9 A Drive A	60	4842971	Disk Drive A	ECC error.  See section on disk failures in 5364 MIM.
	or Drive B	30	4842971	Disk Drive B	
1999	J9 A Drive A	60	4842971	Disk Drive A	No record found.  See section on disk failures in 5364 MIM.
	or Drive B	30	4842971	Disk Drive B	
199A	J9	60	6369809	Disk adapter card	Command aborted and write fault. See section on disk failures in 5364 MIM.
	Drive A	30	4842971	Disk Drive A	
	or Drive B		4842971	Disk Drive B	
199C	J9	60	6369809	Disk adapter card	Command aborted and drive not ready. See section on disk failures in 5364 MIM.
	Drive A	30	4842971	Disk Drive A	
	or Drive B		4842971	Disk Drive B	
199E	J9	60	6369809	Disk adapter card	Command aborted.  See section on disk failures in 5364 MIM.
	Drive A	30	4842971	Disk Drive A	
	or Drive B		4842971	Disk Drive B	
19A0	J9 A Drive A	60	4842971	Disk Drive A	No data sync found.  See section on disk failures in 5364 MIM.
	or Drive B		4842971	Disk Drive B	
19A1	J9 A Drive A	60	4842971	Disk Drive A	Write fault.  See section on disk failures in 5364 MIM.
	or Drive B		4842971	Disk Drive B	
19A3	J8	50	6369811	Data stg attach card	DLC detected DMA parity. See section on disk failures in 5364 MIM.
	J9	40	6369809	Disk adapter card	
19A5	J8	50	6369811	Data stg attach card	DLC detected DPC parity. See section on disk failures in 5364 MIM.
	J9	40	6369809	Disk adapter card	

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>19A6</b>	<b>J9</b> <b>J8</b>	<b>60</b> <b>30</b>	<b>6369809</b> <b>6369811</b>	<b>Disk adapter card</b> <b>Data stg attach card</b>	<b>Overrun/Underrun.</b> <b>See section on disk failures in 5364 MIM.</b>
<b>19A8</b>	<b>J9</b> <b>Drive A</b> <b>or</b> <b>Drive B</b>	<b>60</b> <b>30</b>	<b>6369809</b> <b>4842971</b>  <b>4842971</b>	<b>Disk adapter card</b> <b>Disk Drive A</b>  <b>Disk Drive B</b>	<b>Command aborted during ECC correction.</b> <b>See section on disk failures in 5364 MIM.</b>
<b>19FF</b>					<b>Unable to determine the cause of failure.</b> <b>See section on disk failures in 5364 MIM.</b>
<b>1C10</b>	<b>J7</b> <b>J6</b>	<b>50</b> <b>50</b>	<b>6369810</b> <b>6369813</b>	<b>WS adapter card</b> <b>CSP card</b>	<b>Base Work Station attachment default code.</b> <b>RelIPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs.</b>
<b>1C11</b>	<b>J7</b> <b>J6</b>	<b>70</b> <b>30</b>	<b>6369810</b> <b>6369813</b>	<b>WS adapter card</b> <b>CSP card</b>	<b>System has a processor check caused by a work station hardware error.</b> <b>RelIPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs.</b>
<b>1C13</b>	<b>J7</b> <b>J6</b>	<b>80</b> <b>20</b>	<b>6369810</b> <b>6369813</b>	<b>WS adapter card</b> <b>CSP card</b>	<b>The work station adapter did not complete its cycle steal operation. RelIPL system and use IPL SRC for better FRU isolation. If there is no IPL SRC, replace FRUs.</b>

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1C15	J7	99	6369810	WS adapter card	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 FRU.
1D01	J8 J9	95 5	6369811 6369809	Data stg attach card Disk adapter card	Attachment data bus parity check command reject, load parity check command/sense parity check, adapter senses parity check, buffer write check.
1D02	Dskt Dr J8 J12	69 30 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Interface or interrupt timeout. See diskette drive failures in the 5364 MIM.
1D03	Planar	99	6369807	5364 Planar board	Cycle steal parity check.
1D05	J8 J6	85 15	6369811 6369813	Data stg attach card CSP card	Overrun or underrun.
1D06	J8 Dskt Dr J12	80 19 1	6369811 1685538 8266533	Data stg attach card Diskette drive Disk/Dskt Cable Asm	Write gate wrap check, unsafe. See diskette drive failures in the 5364 Maintenance Information

D2

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1D0A	Operate Dskt Dr J8 J12 Pwr Sup	60 36 2 1 1	1685538 6369811 8266533 6133532	Diskette drive Data stg attach card Disk/Dskt Cable Asm Power supply	Diskette not at speed (stopped, slow or fast). No diskette in drive. Diskette inserted wrong. cable. See diskette failures in the 5364 MIM. This SRC can occur if the diskette drive is not receiving power, check for +5V and +12V on the diskette power cable. (See power distribution chart in the 5364 MIM).
1D0B	User Program	95			The system issued an invalid or unsupported command to the diskette microcode (noop).
1D0C	J8 Dskt Dr J12	45 54 1	6369811 1685538 8266533	Data stg attach card Diskette drive Disk/Dskt Cable Asm	Cylinder mismatch. Invalid seek control. See diskette drive failures in the 5364 MIM.
1D0F	Media Dskt Dr	95 3	1685538	Diskette drive	CRC check; AM not found. ID not found; write verify unequal. If unable to separate media/operator/hardware, run diskette OLPD.
1D11	Media Dskt Dr	98 1	1685538	Diskette drive	Cannot write to a write protected diskette. Media may have write protect tab installed.
1DA0	J8 Dskt Dr J12	97 2 1	6369811 1685538 8266533	Data stg attach card Diskette drive Disk/Dskt Cable Asm	Error while running wraps to attachment card. See diskette drive failures in the 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
1DA1	Dskt Dr J8 J12	95 4 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Cannot read cylinder 0 head 0. See diskette drive failures in the 5364 MIM.
1DA2	Dskt Dr J8 J12	96 3 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Worn head test fails on head 0. See diskette drive failures in the 5364 MIM.
1DA3	Dskt Dr J8 J12	96 3 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Worn head test fails on head 1. See diskette drive failures in the 5364 MIM.
1DA4	Dskt Dr J8 J12	96 3 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Worn head test fails on both head 0 and head 1. See diskette drive failures in the 5364 MIM.
1DA5	Dskt Dr J8 J12	96 3 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Scan test fails (hardware error) drive test ran good See diskette drive failures in the 5364 MIM.
2000					CSIPL load 1 start - \$IPL CUSTOMIZE then ReIPL with wraps.
2001					Initialize page tables - \$IPL. CUSTOMIZE then ReIPL with wraps.
2002					Initialize main storage - \$IPL. CUSTOMIZE then ReIPL with wraps.
2010					CSIPL load 2 start - \$IPL. CUSTOMIZE then ReIPL with wraps.

D4

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2012					First disk operation - \$IPL. CUSTOMIZE then RelPL with wraps.
2013					First disk operation complete - \$IPL. CUSTOMIZE then RelPL with wraps.
2014					Process unit definition table - \$IPL. CUSTOMIZE then RelPL with wraps.
2016					Call \$IPLOG for logging tables - \$IPL. CUSTOMIZE then RelPL with wraps.
201A					DSA controller load - \$IPL. CUSTOMIZE then RelPL with wraps.
201C					Work station controller load - \$IPL. CUSTOMIZE then RelPL with wraps.
201E					\$IPL. CUSTOMIZE then RelPL with wraps.
2020					IPL from disk - \$IPL CUSTOMIZE then RelPL with wraps.
2021					Disk operation - read bootstrap - \$IPL. CUSTOMIZE then RelPL with wraps.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2030					IPL from diskette - \$IPL CUSTOMIZE then ReIPL with wraps.
2031					Diskette operation - \$IPL CUSTOMIZE then ReIPL with wraps.
2032					Diskette operation - \$IPL CUSTOMIZE then ReIPL with wraps.
2033					Diskette operation - \$IPL CUSTOMIZE then ReIPL with wraps.
2034					Diskette operation - recalibrate - \$IPL. CUSTOMIZE then ReIPL with wraps.
2035					Diskette operation - read valid - \$IPL. CUSTOMIZE then ReIPL with wraps.
2036					Diskette operation - read bootstrap - \$IPL. CUSTOMIZE then ReIPL with wraps.
2040					Start logging table initialization - \$IPL. CUSTOMIZE then ReIPL with wraps.
2100	J8 J6 J7 J9 Planar	53 40 2 2 2	6369811 6369813 6369810 6369809 6369807	Data stg attach card CSP card WS adapter card Disk adapter card 5364 Planar board	DSA not found. Channel failure.

D6



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2101	J8 J9 Planar	93 5 2	6369811 6369809 6369807	Data stg attach card Disk adapter card 5364 Planar 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 J8 J12	69 30 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Interrupt timeout. See diskette drive failure in the 5364 MIM.
2103	J8 J6 J7	94 3 3	6369811 6369813 6369810	Data stg attach card CSP card WS adapter card	Cycle steal parity check.
2105	J8 J6	90 5	6369811 6369813	Data stg attach card CSP card	Overrun/underrun.
2106	J8 Dskt Dr J12	50 49 1	6369811 1685538 8266533	Data stg attach card Diskette drive Disk/Dskt Cable Asm	Write gate wrap check, unsafe. See diskette drive failures in the 5364 MIM.
210A	Operate Dskt Dr J8 J12 Pwr Sup	60 36 2 1 1	1685538 6369811 8266533 6133532	Diskette drive Data stg attach card Disk/Dskt Cable Asm Power supply	Diskette stopped/slow, or fast, no diskette in drive, diskette inserted wrong. See diskette drive failures in the 5364 MIM.
210C	Dskt Dr J8 J12	98 1 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Cylinder mismatch, invalid seek control. See diskette drive failures in the 5364 MIM.
210F	Dskt Dr J8 J12	98 1 1	1685538 6369811 8266533	Diskette drive Data stg attach card Disk/Dskt Cable Asm	Write verify unequal, CRC check, AM2 not found, ID not found. Diagnostic media is assumed to be good. See diskette drive failures in the 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2110	J8 J6 J7 J9 Planar	81 15 2 1 1	6369811 6369813 6369810 6369809 6369807	Data stg attach card CSP card WS adapter card Disk adapter card 5364 Planar board	Buffer adapter wraps failed.
2120	J8 J9	65 35	6369811 6369809	Data stg attach card Disk adapter card	Parity Check test failed.
2130	J8 Dskt Dr J6 J7 J9 Planar Pwr Sup	89 5 2 1 1 1 1	6369811 1685538 6369813 6369810 6369809 6369807 6133532	Data stg attach card Diskette drive CSP card WS adapter card Disk adapter card 5364 Planar board Power supply	Diskette DLC wraps failed. ReIPL before replacing any FRUs. See diskette drive failures in the 5364 MIM. Check -5v before replacing any FRUs.
2150	J8	95	6369811	Data stg attach card	DSA wraps complete, loader failed.
2290					--IPL Disk Loader-- Failure before 1st load. Reload PC diskette code. See section on disk failures in 5364 MIM..
2291					-NO VALID ALTERNATE TAB Run Disk Initialize and load microcode and SSP. See section on disk failures in 5364 MIM
2292	J9 J8 J14 J15	60 35 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	--INTERRUPT TIMEOUT-- Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. ReIPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.

D8

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
2293	J9 J8	60 35	6369809 6369811	Disk adapter card Data stg attach card	--CHANNEL/DSA ERROR-- RelPL with wraps before exchanging any FRUs. See section on disk failures in 5364 MIM.
2294	J9 J8	45 45	6369809 6369811	Disk adapter card Data stg attach card	--DPC INTERFACE ERROR-- RelPL with wraps before exchanging any FRUs. See section on disk failures in 5364 MIM.
2295	J9 J8 J14 J15	45 45 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	--DMA INTERFACE ERROR-- Be sure cable J15 is properly seated. RelPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
2296	J9 J8 J14 J15	45 45 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	----- ECC ERROR ----- Reload microcode. If problem still exists run disk initialize on drive A and reload microcode & SSP See section on disk failures in 5364 MIM.
2297	J9 J8 J14 J15	65 25 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	--NO RECORD FOUND ERRO Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. RelPL with wraps. If no wrap errors, run disk initialize on drive A and reload microcode and SSP. See section on disk failures in 5364 MIM.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
2298	J9 Drive A J8 J14 J15	60 20 10 2 2	6369809 4842971 6369811 8266533 8266533	Disk adapter card Disk Drive A Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	-- SEVERE FILE ERROR -- Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. ReIPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
2299	J9	10	6369809	Disk adapter card	-- DISK LOAD COMPLETE -- Code loaded was invalid. Reload microcode. If reload does not fix, exchange FRU. See section on disk failures in 5364 MIM.
2400	Program				CDKTABLE not found, CSU diskette is bad. See Setting Up Your Computer Manual.
2401	Program				SYSTEM CONSOLE entry not in TEMP UDT. See Setting Up Your Computer Manual.
2402	Program				DISK entry not in TEMP UDT See Setting Up Your Computer Manual.
2403	Program				MSP entry not in TEMP UDT. See Setting Up Your Computer Manual.
2404	Program				SYSTEM entry not in TEMP UDT. See Setting Up Your Computer Manual.

**D10**

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
2405	Program				WSC entry not in TEMP UDT. See Setting Up Your Computer Manual.
240A	Program				MSP entry not in SYSTEM UDT. See Setting Up Your Computer Manual.
240C	Program				WSC entry not in SYSTEM UDT. See Setting Up Your Computer Manual.
240E	Program				2K bad page entry. See Setting Up Your Computer Manual.
240F	Program				SYSTEM entry not in SYSTEM UDT. See Setting Up Your Computer Manual.
2410	Program				Invalid WSC inboard/out-board ID in UDT. See Setting Up Your Computer Manual.
2411	Program				Diskette read error, CSU diskette is bad. See Setting Up Your Computer Manual.
2412	Program				Disk read error. Run disk problem determination procedures. See Setting Up Your Computer Manual.
2414	Program				Incorrect IPL option, relPL. See Setting Up Your Computer Manual.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
2416	Program				No bus coupler present (WSC feature not installed /removed correctly) See Setting Up Your Computer Manual.
2417	Program				Wrong bus coupler initial address loaded as the WSC bus coupler. See Setting Up Your Computer Manual.
2418	Program				Invalid CE panel value for the IPL mode. See Setting Up Your Computer Manual.
2450	Program				Module not found on diskette. Diskette is bad. See Setting Up Your Computer Manual.
2451	Program				Module too large to load. See Setting Up Your Computer Manual.
2452	Program				Diskette I/O error or invalid control block. Diskette is bad. See Setting Up Your Computer Manual.
2453	Program				Load module not found on diskette. See Setting Up Your Computer Manual.
2454	Program				TU not found in load module. See Setting Up Your Computer Manual.
2455	Program				Diskette I/O error. Diskette is bad. See Setting Up Your Computer Manual.

**D12**

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
2456	Program				Function not supported. See Setting Up Your Computer Manual.
2457	Program				Wrong diskette inserted. See Setting Up Your Computer Manual.
2458	Program				CSU verification supervisor not found. Ensure that @PCIOOSS is customized to disk. See Setting Up Your Computer Manual.
24A0	Custmiz Program				Unresolved extern associated with RLD type 7 See Setting Up Your Computer Manual.
24A1	Custmiz Program				RLD type 7 extern references an entry in a relocatable module. See Setting Up Your Computer Manual.
24A2	Custmiz Program				Diskette has wrong P/N. Verify LEVEL table and diskette P/N. See Setting Up Your Computer Manual.
24A3	Custmiz Program				Microcode level table does not exist. See Setting Up Your Computer Manual.
24A4	Custmiz Program				CSDIR table is full. See Setting Up Your Computer Manual.
24A5	Custmiz Program				Entry table is full. See Setting Up Your Computer Manual.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
24A6	Custmiz Program				A module has an overlay module that is not in the CSDIR. See Setting Up Your Computer Manual.
24A7	Custmiz Program				A module has an overlay module that is incorrectly defined. See Setting Up Your Computer Manual.
24A8	Custmiz Program				All guaranteed good sectors are used. See Setting Up Your Computer Manual.
24A9	Custmiz Program				Microcode has exceeded disk space allowed. Increase size of CSLIB. See Setting Up Your Computer Manual.
24AA	Custmiz Program				An external label could not be resolved. See Setting Up Your Computer Manual.
24AC	Custmiz Program				Invalid external label type associated with RLD. See Setting Up Your Computer Manual.
24AE	Custmiz Program				Invalid XTRN2 type for RLD type. See Setting Up Your Computer Manual.
24AF	Custmiz Program				A required module could not be found in the CSDIR. See Setting Up Your Computer Manual.



<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
24C0	Custmiz Program				Machine check log work area is not in the CSDIR. See Setting Up Your Computer Manual.
24C1	Custmiz Program				An oxref module ID is not found in the CSDIR. See Setting Up Your Computer Manual.
24C2	Custmiz Program				Invalid RLD type. See Setting Up Your Computer Manual.
24C3	Custmiz Program				Exceeded space allowed for RLD data. See Setting Up Your Computer Manual.
24C4	Custmiz Program				Extern table is full. See Setting Up Your Computer Manual.
24C5	Custmiz Program				Exceeded space allowed for RLD data. See Setting Up Your Computer Manual.
24C6	Custmiz Program				Dependency table not found. Verify \$DEPEND on DSKT2. See Setting Up Your Computer Manual.
24C7	Custmiz Program				Invalid dependency table operation value. See Setting Up Your Computer Manual.
24C8	Custmiz Program				A dependency entry cannot be found. See Setting Up Your Computer Manual.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
24C9	Custmiz Program				A base module referenced by the dependency table could not be found. See Setting Up Your Computer Manual.
24CA	Custmiz Program				The relocatable RLD table is full. See Setting Up Your Computer Manual.
24CC	Custmiz Program				Diskette I/O error.
24E1	Custmiz Program				The Personal Computer DSKT01 is not in the microcode level table.
24E2	Custmiz Program				The DSKT01 part number does not match the part number in the microcode level table.
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.

**D16**

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
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. See Setting Up Your Computer Manual.
3006	J9 J8	60 30	6369809 6369811	Disk adapter card Data stg attach card	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See section on disk failures in 5364 MIM.
300B	J9 J8	60 30	6369809 6369811	Disk adapter card Data stg attach card	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See section on disk failures in 5364 MIM.
301E	J9 J8	60 30	6369809 6369811	Disk adapter card Data stg attach card	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See section on disk failures in 5364 MIM.
3032	J9 J8	60 30	6369809 6369811	Disk adapter card Data stg attach card	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See section on disk failures in 5364 MIM.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>3035</b>	<b>J9</b> <b>J8</b> <b>Drive A</b> <b>or</b> <b>Drive B</b>	<b>60</b> <b>30</b> <b>5</b>	<b>6369809</b> <b>6369811</b> <b>4842971</b>  <b>4842971</b>	<b>Disk adapter card</b> <b>Data stg attach card</b> <b>Disk Drive A</b>  <b>Disk Drive B</b>	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See section on disk failures in 5364 MIM.
<b>3039</b>	<b>J7</b>	<b>75</b>	<b>6369810</b>	<b>WS adapter card</b>	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. See section on disk failures in 5364 MIM.
<b>3043</b>	<b>J9</b> <b>J8</b>	<b>60</b> <b>30</b>	<b>6369809</b> <b>6369811</b>	<b>Disk adapter card</b> <b>Data stg attach card</b>	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs. See section on disk failures in 5364 MIM.
<b>3049</b>					Work station error. System dump could not be taken due to error with work station controller. ReIPL with wraps.
<b>304A</b>					Diskette error during system dump. ReIPL with wraps.
<b>304C</b>	<b>J9</b> <b>J8</b>	<b>60</b> <b>30</b>	<b>6369809</b> <b>6369811</b>	<b>Disk adapter card</b> <b>Data stg attach card</b>	Permanent disk error or work station error. ReIPL with wraps before replacing any FRUs.

**D18**

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
30CA	J9 J8	60 30	6369809 6369811	Disk adapter card Data stg attach card	Permanent disk error. Dump could not be taken. ReIPL with wraps before replacing any FRUs.
30F1					Permanent disk error during condense of system library. ReIPL with wraps before replacing any FRUs.
3200	J3 or Module Planar J1 PCdrive PC cbl	90  5 2 1 1	6369808  8493689 6369807 6369814 4234520 8266528	256 KB Memory card  64K RAM module 5364 Planar board Receiver card Driver card in PC PC bus exp cable	PC access to 1st 128Kb failed. See Memory Card Failures in 5364 MIM to isolate failing memory module.
3201	J3 or Module Planar PCdrive PC cbl J1	91  5 1 1 1	6369808  8493689 6369807 4234520 8266528 6369814	256 KB Memory card  64K RAM module 5364 Planar board Driver card in PC PC bus exp cable Receiver card	PC access to 2nd 128Kb failed. See Memory Card Failures in 5364 MIM to isolate failing memory module.
3205					Cardtest.Com program can only be used to test the 256k memory card.
3210	J3 Planar	91 5	6369808 6369807	256 KB Memory card 5364 Planar board	MSP read failure during arbitration test.
3211	J3 Planar PCdrive PC cbl J1	93 3 1 1 1	6369808 6369807 4234520 8266528 6369814	256 KB Memory card 5364 Planar board Driver card in PC PC bus exp cable Receiver card	PC failure during arbitration test.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
3212	J3 or J3 Planar	91  5	6369808  6201918 6369807	256 KB Memory card  1 MB Memory card 5364 Planar board	MSP Read Failure during arbitration test.
3213	J3 Planar PCdrive PC cbl J1	93 3 1 1 1	6201918 6369807 4234520 8266528 6369814	1 MB Memory card 5364 Planar board Driver card in PC PC bus exp cable Receiver card	PC failure during arbitration test.
3220	PC	99	-----	IBM Personal Computer	Parity check in PC.
3221	J3 or Module PC feat Planar PCdrive PC cbl J1 J4	50  40 1 1 1 1 1	6369808  8493689 xxxxxxx 6369807 4234520 8266528 6369814 6369812	256 KB Memory card  64K RAM module PC Feature Card/s 5364 Planar board Driver card in PC PC bus exp cable Receiver card MSP data flow card	Parity check in system. See Memory Card Failures in 5364 MIM to isolate failing memory module.
3222	J3 PC feat Planar PCdrive PC cbl J1	50 40 3 1 1 1	6201918 xxxxxxx 6369807 4234520 8266528 6369814	1 MB Memory card PC Feature Card/s 5364 Planar board Driver card in PC PC bus exp cable Receiver card	ECC Multiple Bit Error or Parity check in system.
3230	J3 Planar	91 5	6201918 6369807	1 MB Memory card 5364 Planar board	ECC Control register failed wrap test.
3231	J3 Planar	91 5	6201918 6369807	1 MB Memory card 5364 Planar board	ECC check bits wrap failed.
3232	J3	95	6201918	1 MB Memory card	Initialization of memory failed.
3233	J3	97	6201918	1 MB Memory card	Single bit error correction test failed.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
3234	J3 PC Planar PCdrive PC cbl J1	89 2 2 2 2 2	6201918 ----- 6369807 4234520 8266528 6369814	1 MB Memory card IBM Personal Computer 5364 Planar board Driver card in PC PC bus exp cable Receiver card	Multiple Bit Error detection test failed.
3235	J3 Planar PCdrive PC cbl J1	90 5 2 1 1	6201918 6369807 4234520 8266528 6369814	1 MB Memory card 5364 Planar board Driver card in PC PC bus exp cable Receiver card	PC access to 1st 64Kb failed
3237	J3 Planar PCdrive PC cbl J1	91 5 1 1 1	6201918 6369807 4234520 8266528 6369814	1 MB Memory card 5364 Planar board Driver card in PC PC bus exp cable Receiver card	Memory bank interaction test failed.
3240	J3 or J3 Planar PCdrive PC cbl J1	92  3 1 1 1	6369808  6201918 6369807 4234520 8266528 6369814	256 KB Memory card  1 MB Memory card 5364 Planar board Driver card in PC PC bus exp cable Receiver card	Memory card not found or memory card type cannot be determined.
5099					Module not found on diskette or diskette I/O error. CSU diskette is bad or not in the drive. See Setting Up Your Computer Manual.
50CE					The UDT is bad. CSU diskette is bad or not in drive. See Setting Up Your Computer Manual.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>5100</b>					An error occurred on the display station address X on port Y. Options are: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.
<b>51CE</b>					MSP error. Diskette is bad or not in the drive. See Setting Up Your Computer Manual.
<b>5200</b>					The work station printer address X on port Y has an unrecoverable error. Options are: 0 to bypass See Setting Up Your Computer Manual.
<b>5210</b>					The work station printer address X on port Y has a machine check. Options: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.
<b>5226</b>					The work station printer address X on port Y has a graphic check. Options: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.
<b>5230</b>					The work station printer address X on port Y has a print check. Options: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.

**E4**



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
5240					The work station printer address X on port Y has a forms check. Options: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.
5247					The work station printer address X on port Y has a paper jam. Options are: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.
5250					The work station printer address X on port Y is out of forms. Options: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.
5251					The work station printer address X on port Y is not ready. Options are: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.
5288					The work station printer address X on port Y has a ribbon jam. Options: 0 to bypass, 1 to retry. See Setting Up Your Computer Manual.
52CE					PMSDIF not found. Dskt is bad or not in the drive. See Setting Up Your Computer Manual.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>5362</b>					CSU pass 1 completed correctly. The CPU mainframe functions correctly. The system console is either not attached or not working. See Setting Up Your Computer Manual.
<b>5CCE</b>					The system console has an error. See Setting Up Your Computer Manual.
<b>7151</b>	<b>Program</b>				Work station error code program problem. SNA function not supported (work station display)
<b>7154</b>					Undefined remote error. (work station display) Run communications problem determination. Determine failing line from system message.
<b>7156</b>	<b>Program</b>				Work station error code program problem. SNA state error. (work station display)
<b>7157</b>	<b>Program</b>				Work station error code program problem. SNA RH usage error. (work station display)
<b>7158</b>	<b>Program</b>				Work station error code program problem. SNA path error. (work station display)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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.

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

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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)
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 problem determination. Determine failing line from system message.
7266					Severe line degradation. (work station printer) Run communications problem determination. Determine failing line from system message.
7267	Program				Work station error code program problem. Protocol violation. (work station printer)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
7268					Permanent DLP hardware error. (work station printer) Run communications problem determination. 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 problem determination. Determine failing line from system message.
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)

E10

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
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 passed 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)

**E12**



<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
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)
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)
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. Resequencing error. There is an invalid resequencing field control word in the format table. (work station display)

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
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 too many work stations. If Extended Input Fields are configured the maximum number of terminals that can be configured are 1/2 maximum. If normal is 6, with Ext Inpt Flds only 3 will be allowed. (work station display)

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>8160</b>	<b>Program</b>				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)
<b>8161</b>	<b>Program</b>				Work station error code program problem. IOB command modifier is invalid. (work station display)
<b>8162</b>	<b>Program</b>				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)
<b>8163</b>	<b>Program</b>				Work station error code program problem. Invalid unit address. (work station display)
<b>8164</b>	<b>Program</b>				Work station error code program problem. Byte count for read fields not equal to number of field positions. (work station display)
<b>8166</b>	<b>Program</b>				Work station error code program problem. Display station in error mode. (work station display)

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
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)
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)

**E16**

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
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
9901	Pwr Sup	18	6133532	Power supply	There is an open circuit in the AC input to the power supply or a DC output over current has occurred. Insure that the P8 and P9 power cable is connected to the Planar board. To isolate the failing FRU see Power Failures (SRC 9901) in the 5364 System Unit 5364 MIM.  See the parts catalog section in the 5364 MIM for additional power cord part numbers.
	Planar	9	6369807	5364 Planar board	
	Drive A	9	4842971	Disk Drive A	
	Drive B	9	4842971	Disk Drive B	
	Dskt Dr	9	1685538	Diskette drive	
	J1	6	6369814	Receiver card	
	J3	6	6369808	256 KB Memory card	
			6201918	1 MB Memory card	
	J4	6	6369812	MSP data flow card	
	J5	6	6369815	MSP control card	
	J6	6	6369813	CSP card	
	J7	6	6369810	WS adapter card	
	J8	6	6369811	Data stg attach card	
	J9	6	6369809	Disk adapter card	
1.7vReg	4	8264168	5364 1.7v regulator		
Powercd	2	2453011	6ft line cord U.S. only		
Fan	1	4236949	Cooling fan		
Reg Cbl	1	8264176	1.7v regulator cable		
9902	Pwr Sup	85	6133532	Power supply	There is a short in the line cord or in the power supply line filter. See Power Failures (SRC 9902) in 5364 MIM.  See the parts catalog section in the 5364 MIM for additional power cord part numbers.
	Powercd	15	2453011	6ft line cord U.S. only	
9903	Pwr Sup	90	6133532	Power supply	There is a short in the power supply or the 1.7v regulator. See Power Failures (SRC 9903) in 5364 MIM .
	1.7vReg	9	8264168	5364 1.7v regulator	
	Reg Cbl	1	8264176	1.7v regulator cable	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9904	Pwr Sup	20	6133532	Power supply	The power supply is OK but the 'power good' signal to the PC is open. Insure that P8 power cable is connected to the planar board. See Power Failures (SRC 9904) in 5364 MIM.
	PCdrive	20	4234520	Driver card in PC	
	Planar	20	6369807	5364 Planar board	
	J1	12	6369814	Receiver card	
	PC cbl	12	8266528	PC bus exp cable	
	1.7vReg	12	8264168	5364 1.7v regulator	
9905	PCdrive	99	4234520	Driver card in PC	Driver to cable interface signals are shorted.
9906	PC cbl	99	8266528	PC bus exp cable	Cable has shorted signals.
9907	J1	99	6369814	Receiver card	There is an error affecting PC Bus signals.
9908	Planar	90	6369807	5364 Planar board	'-E RD EN' line is low- should be high.
	J1	10	6369814	Receiver card	
9909	J3	50	6369808	256 KB Memory card	'-E I/O CH CK' line is low- should be high.
			6201918	1 MB Memory card	
	Planar	40	6369807	5364 Planar board	
990A	J1	10	6369814	Receiver card	'-E I/O CH RDY' line is low- should be high.
	Planar	5	6369807	5364 Planar board	
	J3	85	6369808	256 KB Memory card	
9A00	J1	40	6369814	Receiver card	Driver card does not respond to PC I/O operations.
	Planar	5	6369807	5364 Planar board	
	PCdrive	50	4234520	Driver card in PC	
9A01	J1	40	6369814	Receiver card	Address wrap failed on the Driver card.
	PC cbl	10	8266528	PC bus exp cable	
	PCdrive	50	4234520	Driver card in PC	
9A02	J1	40	6369814	Receiver card	Data bus wrap failed on the Driver card.
	PC cbl	10	8266528	PC bus exp cable	
	PCdrive	50	4234520	Driver card in PC	
9A03	J1	25	6369814	Receiver card	Expansion disable failed.
	PC cbl	5	8266528	PC bus exp cable	
	PCdrive	70	4234520	Driver card in PC	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9A04	PCdrive J1 Planar	89 5 5	4234520 6369814 6369807	Driver card in PC Receiver card 5364 Planar board	Expansion fails to enable.
9A05	PCdrive J1 PC cbl	90 5 5	4234520 6369814 8266528	Driver card in PC Receiver card PC bus exp cable	Channel ready test latch failed. The latch is not cleared.
9A06	PC cbl PCdrive	95 4	8266528 4234520	PC bus exp cable Driver card in PC	Cable wrap failed. Reseat cable at both ends. Reboot.
9A07					5364 power check failed. Is the 5364 switch on? If so See Power Failures (SRC 9904) in 5364 MIM.
9A08	Planar J1 PCdrive J3 PC cbl	50 30 10 5 4	6369807 6369814 4234520 6369808 6201918 8266528	5364 Planar board Receiver card Driver card in PC 256 KB Memory card 1 MB Memory card PC bus exp cable	Signal '-E RDEN' is low on Driver card- should be high.
9A09	PCdrive J1 PC cbl	50 45 5	4234520 6369814 8266528	Driver card in PC Receiver card PC bus exp cable	Signal '-E RESERVD' is low on Driver card- should be high.
9A0A	J3  Planar PCdrive J1 PC cbl	40  30 15 10 5	6369808 6201918 6369807 4234520 6369814 8266528	256 KB Memory card 1 MB Memory card 5364 Planar board Driver card in PC Receiver card PC bus exp cable	'-E I/O CH CK'.
9A0B	J3  PCdrive J1 Planar PC cbl	65  15 10 5 5	6369808 6201918 4234520 6369814 6369807 8266528	256 KB Memory card 1 MB Memory card Driver card in PC Receiver card 5364 Planar board PC bus exp cable	'-E I/O CH RDY'.

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JRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9A0C	PCdrive J1 PC cbl	85 10 5	4234520 6369814 8266528	Driver card in PC Receiver card PC bus exp cable	Channel Ready test latch failed. Latch not set. If attached to a 5150 below serial # 0300960 the PC may require an up level BIOS module on PC planar board. (PC Hardware Option 1501005 BIOS kit)
9A10	J1 Planar PCdrive J7 J3 PC cbl	50 15 15 10 5 5	6369814 6369807 4234520 6369810 6369808 6201918 8266528	Receiver card 5364 Planar board Driver card in PC WS adapter card 256 KB Memory card 1 MB Memory card PC bus exp cable	Address wrap failed on the Receiver card.
9A11	J1 Planar PCdrive J7 J3 PC cbl	50 15 15 10 5 5	6369814 6369807 4234520 6369810 6369808 6201918 8266528	Receiver card 5364 Planar board Driver card in PC WS adapter card 256 KB Memory card 1 MB Memory card PC bus exp cable	Data bus wrap failed on the Receiver card.
9A14	Planar J1	89 10	6369807 6369814	5364 Planar board Receiver card	Unable to put planar into test mode.
9A15	Planar J3 1.7vReg	79 10 10	6369807 6369808 6201918 8264168	5364 Planar board 256 KB Memory card 1 MB Memory card 5364 1.7v regulator	System Control Register wrap failed.
9A16	Planar J1 PCdrive PC cbl	45 25 25 5	6369807 6369814 4234520 8266528	5364 Planar board Receiver card Driver card in PC PC bus exp cable	Unable to reset the Planar.
9A17	Planar J1	89 10	6369807 6369814	5364 Planar board Receiver card	Unable to clear the Dump Switch flip flop.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9A18	Planar J1 J3	89 7 3	6369807 6369814 6369808	5364 Planar board Receiver card 256 KB Memory card	Unable to clear the S1 clock or the CSPIRQ7 flip flops.
9A19	1.7vReg Pwr Sup J4 J5 J6 J7 Planar Reg Cbl	60 5 5 5 5 5 5 1	8264168 6133532 6369812 6369815 6369813 6369810 6369807 8264176	5364 1.7v regulator Power supply MSP data flow card MSP control card CSP card WS adapter card 5364 Planar board 1.7v regulator cable	1.7V not available. To isolate the failing FRU, see Power Failures (SRC 9A19) in the 5364 System MIM.
9A1A	J6 Planar J7 J3	50 15 15 15	6369813 6369807 6369810 6369808 6201918	CSP card 5364 Planar board WS adapter card 256 KB Memory card 1 MB Memory card	S1 clock is not available.
9A1C	Planar J1 PCdrive J3 J7	50 20 10 10 10	6369807 6369814 4234520 6369808 6201918 6369810	5364 Planar board Receiver card Driver card in PC 256 KB Memory card 1 MB Memory card WS adapter card	The ATR Base Register failed the wrap test.
9A1D	Planar PCdrive J1 PC cbl	80 8 8 4	6369807 4234520 6369814 8266528	5364 Planar board Driver card in PC Receiver card PC bus exp cable	The ATR Registers failed the wrap test.
9A1E	J7 J6 Planar J1	50 20 20 10	6369810 6369813 6369807 6369814	WS adapter card CSP card 5364 Planar board Receiver card	The Service interface chip failed the wrap test.
9A1F	J7 Planar	60 39	6369810 6369807	WS adapter card 5364 Planar board	RAM control lines are not initialized properly.
9A20	Planar	99	6369807	5364 Planar board	RAM did not get reset properly.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9A21	Planar J3	90 9	6369807 6369808 6201918	5364 Planar board 256 KB Memory card 1 MB Memory card	RAM failed the wrap test.
9A22	Planar J1 J3  PC cbl PCdrive	60 15 15  5 5	6369807 6369814 6369808 6201918 8266528 4234520	5364 Planar board Receiver card 256 KB Memory card 1 MB Memory card PC bus exp cable Driver card in PC	The Address multiplexer failed the wrap test.
9A23	Planar J3  J1 PCdrive	50 20  15 15	6369807 6369808 6201918 6369814 4234520	5364 Planar board 256 KB Memory card 1 MB Memory card Receiver card Driver card in PC	ATR decode error
9A25					Unable to find an open 64KB block of memory space at a 64KB boundary from absolute address hex 40000 through E0000. Remove extra memory and RelPL the system.
9A28	Planar J3	90 9	6369807 6369808 6201918	5364 Planar board 256 KB Memory card 1 MB Memory card	RAM temporary failure. Service passwords have been reset to initial value. (Password and Master). Before changing FRU's, change service level from lock mode to service mode using the original passwords and RelPL. Refer to SETTING UP YOUR COMPUTER MANUAL for further information.
9A31	Planar J6	70 30	6369807 6369813	5364 Planar board CSP card	A IL1 set command was issued but CSP was not forced to IL1.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9A32	Planar J6	70 30	6369807 6369813	5364 Planar board CSP card	A Reset IL1 command was issued but CSP did not drop off IL1.
9A33	Planar J6 J7	60 20 20	6369807 6369813 6369810	5364 Planar board CSP card WS adapter card	A IL3 set command was issued but CSP was not forced to IL3.
9A34	Planar J6 J7	60 20 20	6369807 6369813 6369810	5364 Planar board CSP card WS adapter card	A Reset IL3 command was issued but CSP did not drop off IL3.
9A35	Planar J6	70 30	6369807 6369813	5364 Planar board CSP card	A IL1 set command was issued but CSP was not forced to IL1 (from IL3).
9A36	Planar J6	70 30	6369807 6369813	5364 Planar board CSP card	A Reset IL1 command was issued but CSP did not drop off IL1 (to IL3).
9A37	Planar J6 J7	60 20 20	6369807 6369813 6369810	5364 Planar board CSP card WS adapter card	A Reset IL3 command was issued but CSP did not drop off IL3.
9A38	Planar J7 J6	50 30 20	6369807 6369810 6369813	5364 Planar board WS adapter card CSP card	Real WSA didn't respond correctly.
9A39	Planar J7 J6	50 30 20	6369807 6369810 6369813	5364 Planar board WS adapter card CSP card	Real WSA didn't respond to Diagnostic mode set.
9A3A	Planar J6	80 20	6369807 6369813	5364 Planar board CSP card	Invalid device Address during IL1 set command.
9A3B	Planar J6	80 20	6369807 6369813	5364 Planar board CSP card	I/O Timeout during IL1 set command.
9A3C	Planar J6	50 50	6369807 6369813	5364 Planar board CSP card	Unknown Error during IL1 set command.
9A3D	Planar J6	80 20	6369807 6369813	5364 Planar board CSP card	Invalid device Address during IL3 set command.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9A3E	Planar J6	80 20	6369807 6369813	5364 Planar board CSP card	I/O Timeout during IL3 set command.
9A3F	Planar J6	50 50	6369807 6369813	5364 Planar board CSP card	Unknown check during IL3 set command.
9A40	Planar J6	80 20	6369807 6369813	5364 Planar board CSP card	Invalid device address during IL1 set command from IL3.
9A41	Planar J6	80 20	6369807 6369813	5364 Planar board CSP card	I/O Timeout during IL1 set command from IL3.
9A42	Planar J6	50 50	6369807 6369813	5364 Planar board CSP card	Unknown Check during IL1 set command from IL3.
9A43	Planar J6	50 50	6369807 6369813	5364 Planar board CSP card	Unknown check. Wrong interrupt level for check on IL1 set from IL3.
9A44	Planar J7 J6	50 30 20	6369807 6369810 6369813	5364 Planar board WS adapter card CSP card	Invalid device timeout during Real WSA diagnostic mode test.
9A45	Planar J7 J6	50 30 20	6369807 6369810 6369813	5364 Planar board WS adapter card CSP card	I/O timeout during Real WSA diagnostic mode test.
9A46	Planar J6 J7	33 33 33	6369807 6369813 6369810	5364 Planar board CSP card WS adapter card	Unknown check during Real WSA diagnostic mode test.
9A47	Planar J6 J7	33 33 33	6369807 6369813 6369810	5364 Planar board CSP card WS adapter card	Unknown check. Wrong interrupt level for test being made.
9A48	Planar J6 J7	33 33 33	6369807 6369813 6369810	5364 Planar board CSP card WS adapter card	Unknown error occurred during test.
9A49	Planar J6 J7	80 10 10	6369807 6369813 6369810	5364 Planar board CSP card WS adapter card	DBI Parity check during IL1 set command.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9A51	Planar J7 J6	40 40 20	6369807 6369810 6369813	5364 Planar board WS adapter card CSP card	No table to reset IL1.
9A52	Planar J6	70 30	6369807 6369813	5364 Planar board CSP card	A IL1 set command was issued but CSP was not forced to IL1.
9A53	Planar J6	70 30	6369807 6369813	5364 Planar board CSP card	A Reset IL1 command was issued but CSP did not drop off IL1.
9A54	Planar J6	80 20	6369807 6369813	5364 Planar board CSP card	Invalid device Address during IL1 set command.
9A55	Planar J6	80 20	6369807 6369813	5364 Planar board CSP card	I/O Timeout during IL1 set command.
9A56	Planar J6	50 50	6369807 6369813	5364 Planar board CSP card	DBI Parity check during IL1 set command.
9A57	Planar J6	50 50	6369807 6369813	5364 Planar board CSP card	Unknown error during IL1 set command.
9C02	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	Bad parity was detected on data read from the CSP.
9C03	J7 J6	90 10	6369810 6369813	WS adapter card CSP card	Bad parity was detected on data written to the CSP.
9C05	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP stopped, for no apparent reason (that is, WR2A did not contain a valid SPC instruction and the CSP is not processor checked.
9C11	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP active during PCB sense RCB.
9C12	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP active during PCB sense LSR.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9C13	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS remained active longer than 510 millisecond during a Disable Cycle Steals PCB command.
9C16	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS active during "Sense Channel Error Byte" command.
9C17	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS active during "Sense Channel Register" command.
9C18	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS active during PCB "Set Machine Check" command.
9C19	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS active during PCB "Load SDR" command.
9C1A	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS active during PCB "Load SAR" command.
9C1C	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS active during PCB "Load MOR" command.
9C1E	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS active during PCB "Execute MOR" command.
9C1F	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP/SS active during PCB "Sense SDR" command.
9C22	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP PEB not reset after PCB reset, sense of PEB detected bad parity, or CSP went active during strobe of PCB sense.
9C23	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP CEB not reset after PCB reset or sense of PEB detected bad parity.
9C24	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	Channel register not reset by PCB reset command.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9C25	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP main level MAR not zero after PCB reset.
9C26	J7 J6	90 10	6369810 6369813	WS adapter card CSP card	Self-test failed, unable to reset check pulse latch on panel processor card.
9C27	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	Self-test failed, one of the following PCB commands returned bad parity; sense PEB, sense CR, sense LSR.
9C28	J7 J6	50 50	6369810 6369813	WS adapter card 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).
9C29	J6 J7 J8	50 40 10	6369813 6369810 6369811	CSP card WS adapter card Data stg attach card	See channel isolation procedure in 5364 MIM. CSP self-test failed. One of the following conditions occurred immediately after a PCB reset: Processor Check, OLB not on main level, Channel Register had bad parity, or Channel Register had wrong data for reset state.
9C2A	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	Self-test failed during CSP SDR wrap test (an error was detected during load/sense of CSP SDR or a data mismatch occurred).

A10



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9C2C	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	Self-test failed during CSP storage test (an error was detected during load/sense of storage or a data mismatch occurred).
9C2E	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	Self-test failed during CSP run test (CSP inactive after PCB Start, or processor check detected).
9C2F	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	Self-test failed during CSP stop test (CSP active after PCB Start, or processor check detected).
9C30	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	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).
9C31	J6 J7	90 10	6369813 6369810	CSP card WS adapter card	CSP is at an EC level which is not compatible with panel processor microcode.
9C32	J6 J7	50 50	6369813 6369810	CSP card WS adapter card	Self-test failed CSP reset test while PCB reset command active (CSP active processor check, or OLB not main level during reset command).
9C33	J6 J7	50 50	6369813 6369810	CSP card WS adapter card	Self-test failed CSP active check after PCB reset command was removed (CSP active following a PCB reset command).

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
9C34	J6	90	6369813	CSP card	Self-test failed in MC MAB wrap test (an error was detected during load/sense of MC MAB or a data mismatch occurred).
	J7	10	6369810	WS adapter card	
9C3A	J6	33	6369813	CSP card	IL7 Active
	J7	33	6369810	WS adapter card	
	Planar	33	6369807	5364 Planar board	
9C3B	J1	20	6369814	Receiver card	IL7 not functioning
	J6	20	6369813	CSP card	
	J7	20	6369810	WS adapter card	
	PCdrive	20	4234520	Driver card in PC	
	Planar	10	6369807	5364 Planar board	
	PC cbl	5	8266528	PC bus exp cable	
9C40	J6		6369813	CSP card	Service interface/CSP/SS selftest complete.
9C41	Program				Active bit in SACSTAT when attempting to start CSP. RelPL the S/36 program in the PC.
9C42	Program				Invalid ATR found when attempting to access MSP storage from PC. Use a different translated addr or use a different ATR.
A000					Unexpected error; Re-customize and/or use a new set of diskettes. If problem persists, initialize Disk A and re-customize.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
A001					Unexpected error; Re-customize and/or use a new set of diskettes. If problem persists, initialize Disk A and re-customize.
A1A1	J9	60	6369809	Disk adapter card	RelPL with wraps before replacing any FRU's. See section on disk failures in 5364 MIM.
A1A2					UDT for Drive B not on disk. RelPL and initialize Drive B.
A1A3	J9 J8 Drive A	40 20 20	6369809 6369811 4842971	Disk adapter card Data stg attach card Disk Drive A	RelPL with wraps before replacing any FRU's. See section on disk failures in 5364 MIM.
A1A4					No disk UDT entries found on disk. RelPL and initialize Drive A.
A1A7	J9 Drive A J8	40 30 10	6369809 4842971 6369811	Disk adapter card Disk Drive A Data stg attach card	RelPL with wraps before replacing any FRU's. Be sure cable J14 is properly seated. Be sure cable J15 is properly seated. If wraps run OK Initialize before replacing any FRU's. See section on disk failures in 5364 MIM.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>A1A9</b>	<b>J9</b> <b>J8</b> <b>Drive A</b>	<b>40</b> <b>40</b> <b>10</b>	<b>6369809</b> <b>6369811</b> <b>4842971</b>	<b>Disk adapter card</b> <b>Data stg attach card</b> <b>Disk Drive A</b>	RelPL with wraps before replacing any FRU's. Check the DSA/Disk adapter top card connector. See section on disk failures in 5364 MIM.
<b>A1B0</b>					DCP IOB error See section on disk failures in 5364 MIM.
<b>A1B2</b>					Invalid alternate table was detected. RelPL and retry before running Initialize. See section on disk failures in 5364 MIM.
<b>A1C1</b>					Work station I/O data stream error. Ensure the console is powered on. RelPL with a different diskette.
<b>A1C2</b>	<b>J7</b>	<b>99</b>	<b>6369810</b>	<b>WS adapter card</b>	Work station hardware error.
<b>A1C3</b>					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 disk failures in 5364 MIM.

**A14**

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
A1E0					DCP Printer I/O error. This SRC is displayed as of the DCP WS I/O error screen.
AF90					-- DISK LOADER ENTRY SRC Unexpected error. RelPL with wraps. If no errors, reload microcode. See disk failures in 5364 MIM.
AF91					-NO VALID ALTERNATE TAB Run Disk Initialize and load microcode and SSP. See section on disk failures in 5364 MIM.
AF92	J9 J8 J14 J15	60 35 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	--INTERRUPT TIMEOUT-- Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. RelPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
AF93	J9 J8	60 35	6369809 6369811	Disk adapter card Data stg attach card	--CHANNEL/DSA ERROR-- RelPL with wraps before exchanging any FRUs. See section on disk failures in 5364 MIM.
AF94	J9 J8	45 45	6369809 6369811	Disk adapter card Data stg attach card	--DPC INTERFACE ERROR-- RelPL with wraps before exchanging any FRUs. See section on disk failures in 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AF95	J9	45	6369809	Disk adapter card	--DMA INTERFACE ERROR-- Be sure cable J15 is properly seated. RelPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
	J8	45	6369811	Data stg attach card	
	J14	2	8266533	Disk/Dskt Cable Asm	
	J15	2	8266533	Disk/Dskt Cable Asm	
AF96	J9	45	6369809	Disk adapter card	----- ECC ERROR ----- Reload microcode. If problem still exists run Disk Initialize on drive A and reload microcode & SSP See section on disk failures in 5364 MIM.
	J8	45	6369811	Data stg attach card	
	J14	2	8266533	Disk/Dskt Cable Asm	
	J15	2	8266533	Disk/Dskt Cable Asm	
AF97	J9	65	6369809	Disk adapter card	--NO RECORD FOUND ERRO Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. RelPL with wraps. If no wrap errors, run Disk Initialize on drive A and reload microcode and SSP. See section on disk failures in 5364 MIM.
	J8	25	6369811	Data stg attach card	
	J14	2	8266533	Disk/Dskt Cable Asm	
	J15	2	8266533	Disk/Dskt Cable Asm	
AF98	J9	60	6369809	Disk adapter card	-- SEVERE FILE ERROR -- Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. RelPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
	Drive A	20	4842971	Disk Drive A	
	J8	10	6369811	Data stg attach card	
	J14	2	8266533	Disk/Dskt Cable Asm	
	J15	2	8266533	Disk/Dskt Cable Asm	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
AF99					-- DISK LOAD COMPLETE -- Code loaded was invalid. Reload microcode. See section on disk failures in 5364 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; RelPL.
C001					Wrap module not found. Misconfigured or bad disk or diskette. Check UDT for correct configuration.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C002					System reference code module ID (WFE00) not found in wrap address table. Misconfigured or bad disk or diskette.
C003					Primary system reference code table entry missing. Misconfigured or bad disk or diskette.
C004					Secondary system reference code table entry missing. Misconfigured or bad disk or diskette.
C201	J3 J4	45 45	6369808 6201918 6369812	256 KB Memory card 1 MB Memory card MSP data flow card	Bad 2 KB main storage page.
C8B9					Unexpected check code found in SRC field in PC Comm configuration file. ReIPL.
C8BA	SDLC cd PCboard BSC1 cd	80 10 10	PC P/N PC P/N PC P/N	SDLC card in PC PC Planar board Primary PC BSC card	IPL wraps failed. Replace FRU.
C8BB	BSC1 cd PCboard SDLC cd	80 10 10	PC P/N PC P/N PC P/N	Primary PC BSC card PC Planar board SDLC card in PC	IPL wraps failed. Replace FRU. Replace FRU.
C8BC	BSC2 cd PCboard	80 20	PC P/N PC P/N	Secondary PC BSC card PC Planar board	IPL wraps failed. Replace FRU.
C8BD	BSC1 cd SDLC cd PCboard	45 45 10	PC P/N PC P/N PC P/N	Primary PC BSC card SDLC card in PC PC Planar board	Comm BSC1/SDLC card in PC. IPL wraps failed. Replace FRU.

A18



<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>C8BE</b>	<b>PCboard SDLC BSC1 cd</b>	<b>50 25 25</b>	<b>PC P/N  PC P/N</b>	<b>PC Planar board  Primary PC BSC card</b>	Before changing FRUs, reseal both SDLC and BSC1 cards in PC & ReIPL. If the problem still exists, then replace FRUs accordingly or bad configuration.
<b>C911</b>	<b>J9 J8</b>	<b>45 45</b>	<b>6369809 6369811</b>	<b>Disk adapter card Data stg attach card</b>	Interface wrap test failed. Be sure the top card connectors are properly seated. See section on disk failures in 5364 MIM.
<b>C912</b>	<b>J9 J8</b>	<b>45 45</b>	<b>6369809 6369811</b>	<b>Disk adapter card Data stg attach card</b>	Interrupt Request test failed. See section on disk failures in 5364 MIM.
<b>C913</b>	<b>J9 Drive A or Drive B J8 Pwr Sup</b>	<b>45 45  5 5</b>	<b>6369809 4842971  4842971 6369811 6133532</b>	<b>Disk adapter card Disk Drive A  Disk Drive B Data stg attach card Power supply</b>	Status Check test failed. Be sure cable J15 is properly seated. This SRC can occur if Drive A is not receiving power. Check for +5V and +12V on drive A power cable. Check jumper for correct position on file. See power distribution chart in 5364 MIM. See section on disk failures in 5364 MIM.
<b>C914</b>	<b>J9 Drive A</b>	<b>45 45</b>	<b>6369809 4842971</b>	<b>Disk adapter card Disk Drive A</b>	Seek test I failed. Be sure cable J15 is properly seated. See section on disk failures in 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C915	J9 Drive A	45 45	6369809 4842971	Disk adapter card Disk Drive A	Seek test II failed. Be sure cable J15 is properly seated. See section on disk failures in 5364 MIM.
C916	J9 Drive A or Drive B	45 45	6369809 4842971 4842971	Disk adapter card Disk Drive A  Disk Drive B	Seek test III failed. Be sure cable J15 is properly seated. See section on disk failures in 5364 MIM.
C917	J9 Drive A Pwr Sup	45 45 2	6369809 4842971 6133532	Disk adapter card Disk Drive A Power supply	Scan ID test failed. Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. This error can result from a problem with -5 volts. Check -5V level at test points on planar board. This error can result if the drive was not Initialized after it was installed. Be sure the the drive has been Initialized before replacing any FRUs. See section on disk failures in 5364 MIM.
C918	J9 Drive A or Drive B J8	40 40 10	6369809 4842971 4842971 6369811	Disk adapter card Disk Drive A  Disk Drive B Data stg attach card	Read data test failed. Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. See section on disk failures in 5364 MIM.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C919	J9	80	6369809	Disk adapter card	Access test failed. See section on disk failures in 5364 MIM.
C91A	J9 Drive A	45 45	6369809 4842971	Disk adapter card Disk Drive A	Read data test failed. Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. See section on disk failures in 5364 MIM.
C91C	J9 Drive A J8	40 40 10	6369809 4842971 6369811	Disk adapter card Disk Drive A Data stg attach card	Write data test failed. Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. See section on disk failures in 5364 MIM.
C91D	J9 Drive A J8	80 10 10	6369809 4842971 6369811	Disk adapter card Disk Drive A Data stg attach card	Multisector Read test failed. Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. See section on disk failures in 5364 MIM.
C91E	J9 Drive A J8	80 10 10	6369809 4842971 6369811	Disk adapter card Disk Drive A Data stg attach card	Multisector Write test failed. Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. See section on disk failures in 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C91F	J9 Drive A J8	80 10 10	6369809 4842971 6369811	Disk adapter card Disk Drive A Data stg attach card	ECC test failed. Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. See section on disk failures in 5364 MIM.
C921	J9 J8	45 45	6369809 6369811	Disk adapter card Data stg attach card	Interface wrap test failed. Be sure the top card connectors are properly seated. See section on disk failures in 5364 MIM.
C922	J9 J8	45 45	6369809 6369811	Disk adapter card Data stg attach card	Interrupt Request test failed. See section on disk failures in 5364 MIM.
C923	J9 Drive B J8 Pwr Sup	45 45 5 5	6369809 4842971 6369811 6133532	Disk adapter card Disk Drive B Data stg attach card Power supply	Status Check test failed. Be sure cable J15 is properly seated. This SRC can occur if Drive B is not receiving power. Check for +5V and +12V on drive B power cable. See power distribution chart in 5364 MIM. See section on disk failures in 5364 MIM.
C924	J9 Drive B	45 45	6369809 4842971	Disk adapter card Disk Drive B	Seek test I failed. Be sure cable J15 is properly seated. See section on disk failures in 5364 MIM.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C925	J9 Drive B	45 45	6369809 4842971	Disk adapter card Disk Drive B	Seek test II failed. Be sure cable J15 is properly seated. See section on disk failures in 5364 MIM.
C926	J9 Drive B	45 45	6369809 4842971	Disk adapter card Disk Drive B	Seek test III failed. Be sure cable J15 is properly seated. See section on disk failures in 5364 MIM.
C927	J9 Drive B	45 45	6369809 4842971	Disk adapter card Disk Drive B	Scan ID test failed. Be sure cable J15 is properly seated. Be sure cable J13 is properly seated. This error can result if the drive was not Initialized after it was installed. Be sure the the drive has been Initialized before replacing any FRUs. See section on disk failures in 5364 MIM.
C928	J9 Drive B J8	40 40 10	6369809 4842971 6369811	Disk adapter card Disk Drive B Data stg attach card	Read data test failed. Be sure cable J15 is properly seated. Be sure cable J13 is properly seated. See section on disk failures in 5364 MIM.
C929	J9	80	6369809	Disk adapter card	Access test failed. See section on disk failures in 5364 MIM.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>C92A</b>	<b>J9 Drive B</b>	<b>45 45</b>	<b>6369809 4842971</b>	<b>Disk adapter card Disk Drive B</b>	Read data test failed. Be sure cable J15 is properly seated. Be sure cable J13 is properly seated. See section on disk failures in 5364 MIM.
<b>C92C</b>	<b>J9 Drive B J8</b>	<b>40 40 10</b>	<b>6369809 4842971 6369811</b>	<b>Disk adapter card Disk Drive B Data stg attach card</b>	Write data test failed. Be sure cable J15 is properly seated. Be sure cable J15 is properly seated. Be sure cable J13 is properly seated. See section on disk failures in 5364 MIM.
<b>C92D</b>	<b>J9 Drive B J8</b>	<b>80 10 10</b>	<b>6369809 4842971 6369811</b>	<b>Disk adapter card Disk Drive B Data stg attach card</b>	Multisector Read test failed. Be sure cable J15 is properly seated. Be sure cable J13 is properly seated. See section on disk failures in 5364 MIM.
<b>C92E</b>	<b>J9 Drive B J8</b>	<b>80 10 10</b>	<b>6369809 4842971 6369811</b>	<b>Disk adapter card Disk Drive B Data stg attach card</b>	Multisector Write test failed. Be sure cable J15 is properly seated. Be sure cable J15 is properly seated. Be sure cable J13 is properly seated. See section on disk failures in 5364 MIM.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C92F	J9 Drive B J8	80 10 10	6369809 4842971 6369811	Disk adapter card Disk Drive B Data stg attach card	ECC test failed. Be sure cable J15 is properly seated. Be sure cable J15 is properly seated. Be sure cable J13 is properly seated. See section on disk failures in 5364 MIM.
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.
C943	J9 Drive A J8	45 45 5	6369809 4842971 6369811	Disk adapter card Disk Drive A Data stg attach card	Permanent disk a error. ReIPL with wraps and run disk initialize again before replacing any FRUs. See section on disk failures in 5364 MIM.
C944	Drive A	95	4842971	Disk Drive A	Not permitted to assign alternative sectors for disk a, cylinder 0, head 0. ReIPL with wraps and run disk initialize again before replacing the FRU. See section on disk failures in 5364 MIM.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
<b>C945</b>	<b>Drive A</b>	<b>95</b>	<b>4842971</b>	<b>Disk Drive A</b>	All available alternative sectors for disk A are in use. ReIPL with wraps and run disk initialize again before replacing the FRU. See section on disk failures in 5364 MIM.
<b>C946</b>	<b>J9 Drive B J8</b>	<b>45 45 5</b>	<b>6369809 4842971 6369811</b>	<b>Disk adapter card Disk Drive B Data stg attach card</b>	Permanent disk B error. IPL with wraps and run disk initialize again before replacing any FRUs. See section on disk failures in 5364 MIM.
<b>C947</b>	<b>Drive B</b>	<b>95</b>	<b>4842971</b>	<b>Disk Drive B</b>	Not permitted to assign alternative sectors for disk B, cylinder 0, head 0. IPL with wraps and run disk initialize again before replacing the FRU. See section on disk failures in 5364 MIM.
<b>C948</b>	<b>Drive B</b>	<b>95</b>	<b>4842971</b>	<b>Disk Drive B</b>	All available alternative sectors for disk B are in use. IPL with wraps and run Disk Initialize again before replacing the FRU. See section on disk failures in 5364 MIM.
<b>C950</b>					UDT error during disk initialize. ReIPL, and run disk initialization again.



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
C951	J9 Drive A J8	45 45 5	6369809 4842971 6369811	Disk adapter card Disk Drive A Data stg attach card	Permanent disk a error. ReIPL with wraps and run disk initialize again before replacing any FRUs. See section on disk failures in 5364 MIM.
C952	J9 Drive B J8	45 45 5	6369809 4842971 6369811	Disk adapter card Disk Drive B Data stg attach card	Permanent disk a error. ReIPL with wraps and run disk initialize again before replacing any FRUs. See section on disk failures in 5364 MIM.
CC62	J7 Wrkstn WS cbl	70 20 10	6369810 -----	WS adapter card  Twinax/IBM cbl system	The work station adapter card failed diagnostic test.
CC63	Wrkstn WS cbl	75 25	-----	Twinax/IBM cbl system	Display stations and/or printers on a port are not responding. See the twinaxial cable ohmmeter procedure in the 5364 MIM and the work station device maintenance manual
CC65	J7 J6	95 5	6369810 6369813	WS adapter card CSP card	The work station adapter card failed the controller DBI/DBO test.
CC66	J7 J6	95 5	6369810 6369813	WS adapter card CSP card	The work station adapter card failed its wrap test.
CC67	J7 J6	95 5	6369810 6369813	WS adapter card CSP card	The work station adapter card failed to reset its check latches.
CC68	J7 J6	95 5	6369810 6369813	WS adapter card CSP card	The work station adapter card failed its diag mode and prog level test.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CC69	J7 J6	95 5	6369810 6369813	WS adapter card CSP card	The work station adapter card failed its SERDES test.
CC6A	J7 J6	95 5	6369810 6369813	WS adapter card CSP card	The work station adapter card failed its interrupt program/timer test.
CC6C	J7 J6	75 25	6369810 6369813	WS adapter card CSP card	The work station adapter failed a cycle steal test.
CC6E	J7 J6	95 5	6369810 6369813	WS adapter card CSP card	The work station adapter hardware interrupt levels test.
CC72	J7 J6	80 20	6369810 6369813	WS adapter card CSP card	The work station adapter card failed the cycle steal register test.
CC7A	J7 Wrkstn WS cbl	80 15 5	6369810 -----	WS adapter card Twinax/IBM cbl system	The work station adapter card failed its port 1-3 line drive test.
CC81	J7	99	6369810	WS adapter card	The work station adapter card failed it RAM test.
CC82	J7	99	6369810	WS adapter card	The work station adapter card failed its cycle steal block length test.
Cd10	J8 J6	90 10	6369811 6369813	Data stg attach card CSP card	Buffered adapter wraps failed.
Cd30	J8 Dskt Dr J6 J12	93 4 2 1	6369811 1685538 6369813 8266533	Data stg attach card Diskette drive CSP card Disk/Dskt Cable Asm	Diskette DLC wraps failed. See diskette drive failures in the 5364 MIM.
CF01					Initialization wrap error, reIPL DCP with wraps.
CF61	J7	60	6369810	WS adapter card	Work station error, reIPL DCP with wraps.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
CF65	J8	99	6369811	Data stg attach card	Disk/diskette/DSA error, relPL DCP with wraps.
CF83					Communications error, relPL DCP with wraps.
CFA4	J9 Drive A Drive B J8	45 20 20 10	6369809 4842971 4842971 6369811	Disk adapter card Disk Drive A Disk Drive B Data stg attach card	Disk error, relPL DCP with wraps. See section on disk failures in 5364 MIM.
CFC2	J7	93	6369810	WS adapter card	Work station error, relPL DCP with wraps.
CFd2	J8 Dskt Dr J6 J12	93 4 2 1	6369811 1685538 6369813 8266533	Data stg attach card Diskette drive CSP card Disk/Dskt Cable Asm	Diskette DLC wraps failed, relPL DCP with wraps. See diskette drive failures in the 5364 MIM.
D074	J3  J4 J5	70  25 3	6369808 6201918 6369812 6369815	256 KB Memory card 1 MB Memory card MSP data flow card MSP control card	Auto config failed. Memory card size cannot be determined.
D346	J5 J4 J3 J6	50 30 10 10	6369815 6369812 6369808 6369813	MSP control card MSP data flow card 256 KB Memory card CSP card	CSIPL 3rd load.
D444	J4 J3 J5	60 30 7	6369812 6369808 6369815	MSP data flow card 256 KB Memory card MSP control card	CSIPL 3rd load.
D475	J3 J4	60 39	6369808 6369812	256 KB Memory card MSP data flow card	CSIPL 3rd load.
D476	J3 J4	60 38	6369808 6369812	256 KB Memory card MSP data flow card	CSIPL 3rd load.
D477	J3 J4 J5	73 20 5	6369808 6369812 6369815	256 KB Memory card MSP data flow card MSP control card	CSIPL 3rd load.
D483	J3 J4	74 24	6369808 6369812	256 KB Memory card MSP data flow card	CSIPL 3rd load.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
D484	J3	74	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
D485	J3	74	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	25	6369812	MSP data flow card	
D486	J3	74	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
D488	J3	74	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
D489	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J3	20	6369808	256 KB Memory card	
	J1	4	6369814	Receiver card	
	PCdrive	4	4234520	Driver card in PC	
	PC cbl	1	8266528	PC bus exp cable	
D492	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J3	20	6369808	256 KB Memory card	
	J5	19	6369815	MSP control card	
D493	J3	75	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
D494	J3	75	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
D497	J3	74	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
D498	J3	40	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
	Planar	20	6369807	5364 Planar board	
D499	J3	59	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	40	6369812	MSP data flow card	
D501	J3	99	6369808	256 KB Memory card	CSIPL 3rd load.
D502	J3	99	6369808	256 KB Memory card	CSIPL 3rd load.
D504	J3	99	6369808	256 KB Memory card	CSIPL 3rd load.
D508	J3	99	6369808	256 KB Memory card	CSIPL 3rd load.

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
D511	J3 J4 J1 PCdrive PC cbl	52 42 2 2 1	6369808 6369812 6369814 4234520 8266528	256 KB Memory card MSP data flow card Receiver card Driver card in PC PC bus exp cable	CSIPL 3rd load.
D940	J6	98	6369813	CSP card	CSIPL 3rd load.
D950	J6 J4	33 33	6369813 6369812	CSP card MSP data flow card	CSIPL 3rd load.
D970	J6 J5 J4	33 33 33	6369813 6369815 6369812	CSP card MSP control card MSP data flow card	CSIPL 3rd load.
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	J4 J5 J6	50 30 18	6369812 6369815 6369813	MSP data flow card MSP control card CSP card	CSIPL 3rd load.
DC02	J6 J4 J5 J7 Planar	40 30 15 10 5	6369813 6369812 6369815 6369810 6369807	CSP card MSP data flow card MSP control card WS adapter card 5364 Planar board	CSIPL 3rd load.
DC03	J4 J6 J5	77 11 10	6369812 6369813 6369815	MSP data flow card CSP card MSP control card	CSIPL 3rd load.
DC06	J4 J5 J6	40 30 27	6369812 6369815 6369813	MSP data flow card MSP control card CSP card	CSIPL 3rd load.
DC07	J4 J6 J5	77 11 10	6369812 6369813 6369815	MSP data flow card CSP card MSP control card	CSIPL 3rd load.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
DC08	J4	50	6369812	MSP data flow card	CSIPL 3rd load.
	J5	30	6369815	MSP control card	
	J6	17	6369813	CSP card	
DC09	J4	50	6369812	MSP data flow card	CSIPL 3rd load.
	J5	40	6369815	MSP control card	
	J6	8	6369813	CSP card	
DC10	J4	50	6369812	MSP data flow card	CSIPL 3rd load.
	J5	35	6369815	MSP control card	
	J6	12	6369813	CSP card	
DC12	J5	50	6369815	MSP control card	CSIPL 3rd load.
	J4	48	6369812	MSP data flow card	
	J6	2	6369813	CSP card	
DC14	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	30	6369812	MSP data flow card	
	J6	7	6369813	CSP card	
DC16	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
DC18	J5	50	6369815	MSP control card	CSIPL 3rd load.
	J4	48	6369812	MSP data flow card	
DC20	J5	55	6369815	MSP control card	CSIPL 3rd load.
	J4	43	6369812	MSP data flow card	
DC22	J5	50	6369815	MSP control card	CSIPL 3rd load.
	J4	40	6369812	MSP data flow card	
	J6	7	6369813	CSP card	
DC24	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J5	30	6369815	MSP control card	
	J6	7	6369813	CSP card	
DC26	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
DC28	J4	70	6369812	MSP data flow card	CSIPL 3rd load.
	J5	24	6369815	MSP control card	
	J6	3	6369813	CSP card	

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
DC29	J4	44	6369812	MSP data flow card	CSIPL 3rd load.
	J5	34	6369815	MSP control card	
	J6	20	6369813	CSP card	
DC30	J6	70	6369813	CSP card	CSIPL 3rd load.
	J5	28	6369815	MSP control card	
DC31	J4	70	6369812	MSP data flow card	CSIPL 3rd load.
	J5	28	6369815	MSP control card	
DC32	J4	70	6369812	MSP data flow card	CSIPL 3rd load.
	J5	28	6369815	MSP control card	
DC33	J5	45	6369815	MSP control card	CSIPL 3rd load.
	J4	45	6369812	MSP data flow card	
DC34	J4	50	6369812	MSP data flow card	CSIPL 3rd load.
	J5	30	6369815	MSP control card	
	J6	17	6369813	CSP card	
DC35	J6	69	6369813	CSP card	CSIPL 3rd load.
	J5	30	6369815	MSP control card	
DC36	J4	70	6369812	MSP data flow card	CSIPL 3rd load.
	J5	28	6369815	MSP control card	
DC37	J4	45	6369812	MSP data flow card	CSIPL 3rd load.
	J5	35	6369815	MSP control card	
	J6	18	6369813	CSP card	
DC40	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J5	38	6369815	MSP control card	
DC42	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J5	38	6369815	MSP control card	
DC44	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J3	30	6201918	1 MB Memory card	
	J5	7	6369815	MSP control card	
DC46	J5	50	6369815	MSP control card	CSIPL 3rd load.
	J4	30	6369812	MSP data flow card	
	J3	10	6201918	1 MB Memory card	
	J6	10	6369813	CSP card	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
DC48	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	36	6369812	MSP data flow card	
	J6	1	6369813	CSP card	
DC50	J5	70	6369815	MSP control card	CSIPL 3rd load.
	J4	28	6369812	MSP data flow card	
DC52	J5	70	6369815	MSP control card	CSIPL 3rd load.
	J4	28	6369812	MSP data flow card	
DC54	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
DC56	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
DC58	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J5	38	6369815	MSP control card	
DC60	J5	50	6369815	MSP control card	CSIPL 3rd load.
	J4	48	6369812	MSP data flow card	
DC62	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
DC63	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
DC64	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J5	28	6369815	MSP control card	
	J3	10	6369808 6201918	256 KB Memory card 1 MB Memory card	
DC65	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
DC66	J5	60	6369815	MSP control card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
DC67	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J5	38	6369815	MSP control card	

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SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
DC68	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J5	30	6369815	MSP control card	
	J6	4	6369813	CSP card	
	J7	4	6369810	WS adapter card	
DC75	J3	60	6201918	1 MB Memory card	CSIPL 3rd load.
	J4	39	6369812	MSP data flow card	
DC79	J3	73	6201918	1 MB Memory card	CSIPL 3rd load.
	J4	20	6369812	MSP data flow card	
	J5	5	6369815	MSP control card	
DC81	J3	73	6369808	256 KB Memory card	CSIPL 3rd load.
			6201918	1 MB Memory card	
	J4	20	6369812	MSP data flow card	
DC83	J3	74	6201918	1 MB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
DC86	J3	74	6201918	1 MB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
DC87	J3	74	6201918	1 MB Memory card	
	J4	24	6369812	MSP data flow card	
DC88	J3	74	6369808	256 KB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	
DC89	J4	60	6369812	MSP data flow card	CSIPL 3rd load.
	J3	20	6201918	1 MB Memory card	
	J1	4	6369814	Receiver card	
	PCdrive	4	4234520	Driver card in PC	
	PC cbl	1	8266528	PC bus exp cable	
DC96	J3	73	6369808	256 KB Memory card	CSIPL 3rd load.
			6201918	1 MB Memory card	
	J4	20	6369812	MSP data flow card	
	J5	5	6369815	MSP control card	
DC97	J3	74	6201918	1 MB Memory card	CSIPL 3rd load.
	J4	24	6369812	MSP data flow card	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
DC98	J3	40	6201918	1 MB Memory card	CSIPL 3rd load.
	J4	38	6369812	MSP data flow card	
	Planar	20	6369807	5364 Planar board	
DC99	J3	59	6201918	1 MB Memory card	CSIPL 3rd load.
	J4	40	6369812	MSP data flow card	
DD01	J3	99	6201918	1 MB Memory card	CSIPL 3rd load.
DD02	J3	99	6201918	1 MB Memory card	CSIPL 3rd load.
DD04	J3	99	6201918	1 MB Memory card	CSIPL 3rd load.
DD08	J3	99	6201918	1 MB Memory card	CSIPL 3rd load.
DD10	J4	98	6369812	MSP data flow card	CSIPL 3rd load. If replacing FRU does not correct the problem, check to see that the UDT is correct.
DD11	J3	52	6201918	1 MB Memory card	CSIPL 3rd load.
	J4	42	6369812	MSP data flow card	
	J1	2	6369814	Receiver card	
	PCdrive	2	4234520	Driver card in PC	
	PC cbl	1	8266528	PC bus exp cable	
DD20	J5	98	6369815	MSP control card	CSIPL 3rd load.
DD30	J5	49	6369815	MSP control card	CSIPL 3rd load.
	J4	49	6369812	MSP data flow card	
DD31	J4	60	6369812	MSP data flow card	
	J5	25	6369815	MSP control card	
	J3	14	6369808	256 KB Memory card	
		6201918		1 MB Memory card	
DExx					CSIPL 3rd load. Test unit xx is not in the load module.

B18

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
DF90					-- DISK LOADER ENTRY SRC Unexpected error. ReIPL with wraps. If no errors, reload microcode. See section on disk failures in 5364 MIM.
DF91					-NO VALID ALTERNATE TAB Run Disk Initialize and load microcode and SSP. See section on disk failures in 5364 MIM.
DF92	J9 J8 J14 J15	60 35 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	--INTERRUPT TIMEOUT-- Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. ReIPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
DF93	J9 J8	60 35	6369809 6369811	Disk adapter card Data stg attach card	--CHANNEL/DSA ERROR-- ReIPL with wraps before exchanging any FRUs. See section on disk failures in 5364 MIM.
DF94	J9 J8	45 45	6369809 6369811	Disk adapter card Data stg attach card	--DPC INTERFACE ERROR-- ReIPL with wraps before exchanging any FRUs. See section on disk failures in 5364 MIM.
DF95	J9 J8 J14 J15	45 45 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	--DMA INTERFACE ERROR-- Be sure cable J15 is properly seated. ReIPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
DF96	J9 J8 J14 J15	45 45 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	----- ECC ERROR ----- Reload microcode. If problem still exists run Disk Initialize on drive A and reload microcode & SSP See section on disk failures in 5364 MIM.
DF97	J9 J8 J14 J15	65 25 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	--NO RECORD FOUND ERRO Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. ReIPL with wraps. If no wrap errors, run Disk Initialize on drive A and reload microcode and SSP. See section on disk failures in 5364 MIM.
DF98	J9 Drive A J8 J14 J15	60 20 10 2 2	6369809 4842971 6369811 8266533 8266533	Disk adapter card Disk Drive A Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	-- SEVERE FILE ERROR -- Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. ReIPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
DF99					-- DISK LOAD COMPLETE -- Code loaded was invalid. Reload microcode. See section on disk failures in 5364 MIM.
DFFA					CSIPL 3rd load. MSP cannot be initialized with input option FF00.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
DFFB					CSIPL 3rd load. Configure error class.
DFFC	J8 J9	20 20	6369811 6369809	Data stg attach card Disk adapter card	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					CSIPL 3rd load. Unknown error condition while running MSP IPL diagnostics.
E080	J6	99	6369813	CSP card	Unconditional branch failed.
E081	J6	99	6369813	CSP card	Conditional branch failed.
E082	J6	99	6369813	CSP card	Branch and link failed.
E083	J6	99	6369813	CSP card	Test mask instruction failed.
E084	J6	99	6369813	CSP card	Hi/Lo work register selection failed.
E085	J6	99	6369813	CSP card	CI instruction failed.
E086	J6	99	6369813	CSP card	SI instruction failed.
E087	J6	99	6369813	CSP card	One byte logical instruction failed.
E088	J6	99	6369813	CSP card	One byte arithmetic instruction failed.
E089	J6	99	6369813	CSP card	Two byte logical instruction failed.

<b>SRC</b>	<b>FRU</b>	<b>%</b>	<b>P/N</b>	<b>FRU DESCRIPTION</b>	<b>SERVICE COMMENTS</b>
E08A	J6	99	6369813	CSP card	Two byte arithmetic instruction failed.
E08C	J6	99	6369813	CSP card	Hex branch failed.
E08E	J6	99	6369813	CSP card	Hex move failed.
E08F	J6	99	6369813	CSP card	Initialization of low 32k of storage failed. Initialize CSP/SS control store.
E090	J6	99	6369813	CSP card	Storage test of high 32k of storage failed. Storage and ECC check bit read/write.
E091	J6	99	6369813	CSP card	Write of low 32k of storage to high 32k of storage of storage failed. Storage and ECC check bit read/write.
E092	J6	99	6369813	CSP card	Storage test of low 32k of storage failed. Storage and ECC check bit read/write.
E093	J6	99	6369813	CSP card	Write of high 32k of storage to low 32k of storage failed. Storage and ECC check bit read/write.
E094	J6	99	6369813	CSP card	Base plug displacement instruction failed or bar bit incorrect.
E095	J6	99	6369813	CSP card	Read or write of word to or from storage failed.
E096	J6	99	6369813	CSP card	Read or write of byte to or from storage, or bar bit incorrect.

**C4**

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E097	J6	99	6369813	CSP card	Load from control store direct area failed.
E098	J6	99	6369813	CSP card	Load or sense of channel register failed.
E099	J6 J8 J7 Planar	35 20 20 20	6369813 6369811 6369810 6369807	CSP card Data stg attach card WS adapter card 5364 Planar board	DBI or DBO bits incorrect value. See channel isolation procedure in 5364 MIM.
E09A	J6 J8 J7 Planar	35 20 20 20	6369813 6369811 6369810 6369807	CSP card Data stg attach card WS adapter card 5364 Planar board	TBI or ARS bits incorrect value. See channel isolation procedure in 5364 MIM.
E09C	J6	99	6369813	CSP card	Software set machine check interrupt failed.
E09E	J6	99	6369813	CSP card	Disable checks failed.
E09F	J6 J8 J7 Planar	35 20 20 20	6369813 6369811 6369810 6369807	CSP card Data stg attach card WS adapter card 5364 Planar board	Force MC interrupt via invalid dev addr failed or enable checks failed.
E0A0	J6	99	6369813	CSP card	Force MC interrupt via LSR parity check failed.
E0A1	J6	99	6369813	CSP card	Force MC interrupt via storage parity check failed.
E0A2	J6 J8 J7 Planar	35 20 20 20	6369813 6369811 6369810 6369807	CSP card Data stg attach card WS adapter card 5364 Planar board	Extraneous interrupt pending. See channel isolation procedure in 5364 MIM.
E0A3	J6	99	6369813	CSP card	Interrupt level 5 structure test failed.
E0A4	J6	99	6369813	CSP card	Disable interrupts failed.
E0A5	J6 J7	94 5	6369813 6369810	CSP card WS adapter card	One of interrupt level 1 through 4 failed.

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E0A6	J6	99	6369813	CSP card	Load/sense of run control byte failed.
E0A7	J6	99	6369813	CSP card	Load/sense of LSR failed.
E0A8	J6	99	6369813	CSP card	CSP/SS test complete, channel problem.
E390					-- DISK LOADER ENTRY SRC Unexpected error. ReIPL with wraps. If no errors, reload microcode. See section on disk failures in 5364 MIM.
E391					-NO VALID ALTERNATE TAB Run Disk Initialize and load microcode and SSP. See section on disk failures in 5364 MIM.
E392	J9 J8 J14 J15	60 35 2 2	6369809 6369811 8266533 8266533	Disk adapter card Data stg attach card Disk/Dskt Cable Asm Disk/Dskt Cable Asm	--INTERRUPT TIMEOUT-- Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. ReIPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
E393	J9 J8	60 35	6369809 6369811	Disk adapter card Data stg attach card	--CHANNEL/DSA ERROR-- ReIPL with wraps before exchanging any FRUs. See section on disk failures in 5364 MIM.
E394	J9 J8	45 45	6369809 6369811	Disk adapter card Data stg attach card	--DPC INTERFACE ERROR-- ReIPL with wraps before exchanging any FRUs. See section on disk failures in 5364 MIM.

C6



SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E395	J9	45	6369809	Disk adapter card	--DMA INTERFACE ERROR-- Be sure cable J15 is properly seated. RelPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
	J8	45	6369811	Data stg attach card	
	J14	2	8266533	Disk/Dskt Cable Asm	
	J15	2	8266533	Disk/Dskt Cable Asm	
E396	J9	45	6369809	Disk adapter card	----- ECC ERROR ----- Reload microcode. If problem still exists run Disk Initialize on drive A and reload microcode & SSP. See section on disk failures in 5364 MIM.
	J8	45	6369811	Data stg attach card	
	J14	2	8266533	Disk/Dskt Cable Asm	
	J15	2	8266533	Disk/Dskt Cable Asm	
E397	J9	65	6369809	Disk adapter card	--NO RECORD FOUND ERRO Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. RelPL with wraps. If no wrap errors, run disk initialize on drive A and reload microcode and SSP. See section on disk failures in 5364 MIM.
	J8	25	6369811	Data stg attach card	
	J14	2	8266533	Disk/Dskt Cable Asm	
	J15	2	8266533	Disk/Dskt Cable Asm	
E398	J9	60	6369809	Disk adapter card	-- SEVERE FILE ERROR -- Be sure cable J15 is properly seated. Be sure cable J14 is properly seated. RelPL with wraps before exchanging FRUs. See section on disk failures in 5364 MIM.
	Drive A	20	4842971	Disk Drive A	
	J8	10	6369811	Data stg attach card	
	J14	2	8266533	Disk/Dskt Cable Asm	
	J15	2	8266533	Disk/Dskt Cable Asm	

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E399					-- DISK LOAD COMPLETE -- Code loaded was invalid. Reload microcode. See section on disk failures in 5364 MIM.
E500					S36CONFIG.DAT file not found. File may be bad. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
E501					S36PN01.TXT file not found. File may be bad. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
E504					S36VIRW.CSP file not found. File may be bad. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)
E508					S36ROS.CSP file not found. File may be bad. Refer to section 5 in the Setting Up Your Computer 5364 Manual to make a new working copy of PC DSKT 01 or run S36SETUP (Any PC PTF's must be reapplied.)

SRC	FRU	%	P/N	FRU DESCRIPTION	SERVICE COMMENTS
E509					The S36PC88 program detected an error during a DOS call to the PC disk. Reload PC microcode and relPL. See DOS Tech. Ref. manual.
E50A					Incorrect IPL parameter requested. Verify that the PC code and the S/36 code are at the same level,Then relPL.
E50C					Utility termination failed to stop CSP, SPC failed. Verify that the PC code and the S/36 code are at the same level,Then relPL.
F000					The diskette inserted is not a CSIPL diskette.
F090	J8 Diskett	98 2	6369811 -----	Data stg attach card User diskette	This code indicates that an error occurred while running the diskette bootstrap loader.



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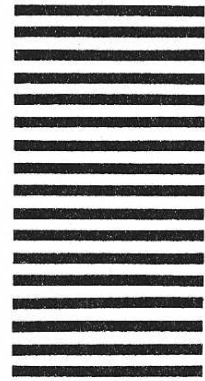
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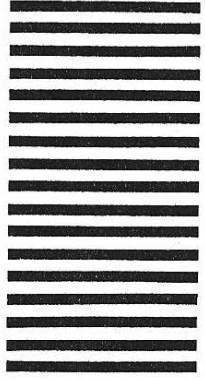
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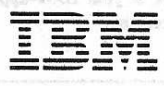
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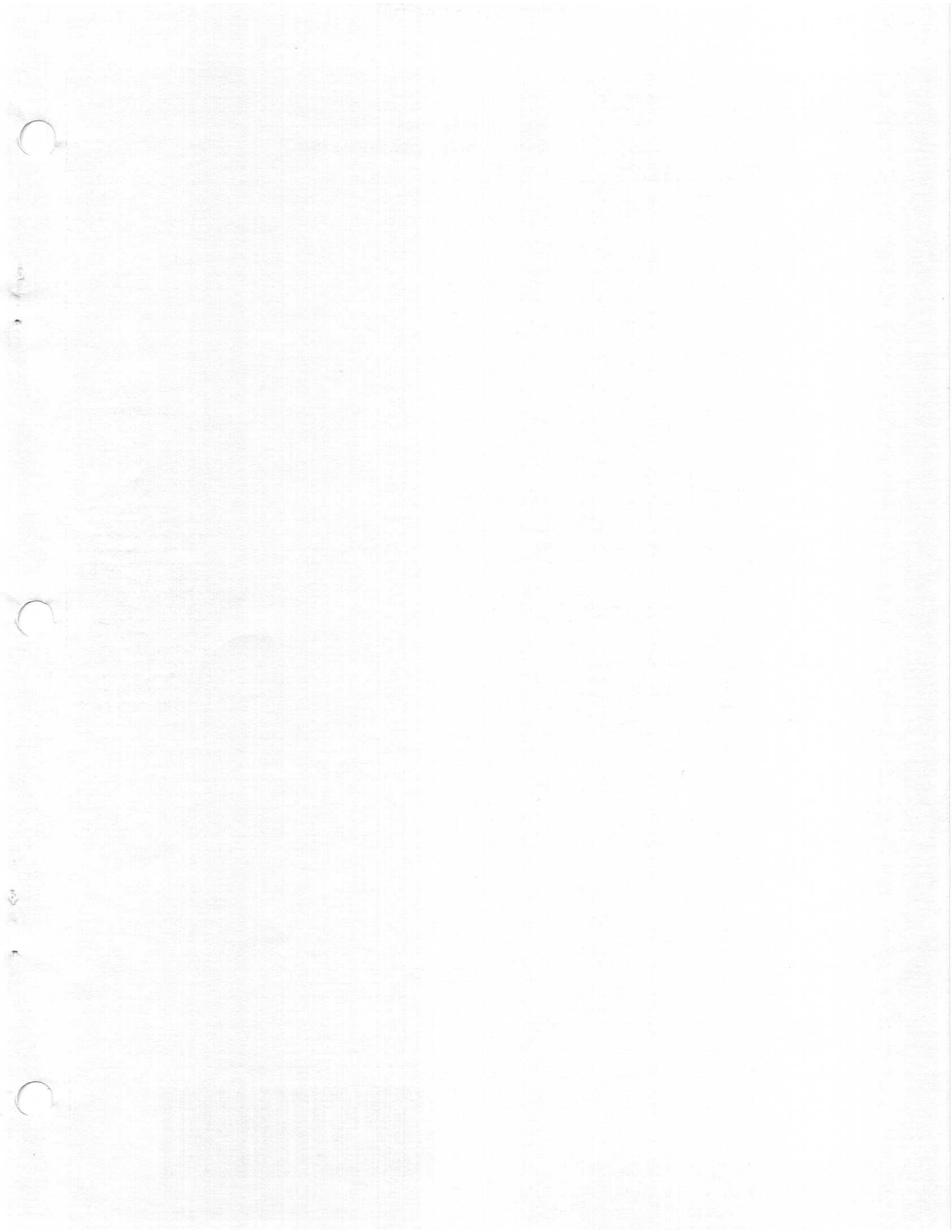
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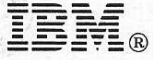
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