TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE MANUAL:

FAULT CATALOG

GUIDED MISSILE

AIR DEFENSE SYSTEM

AN/TSQ- 73

> This copy is a reprint which includes current pages from Changes 1 through 5.

HEADQUARTERS, DEPARTMENT OF THE ARMY

2 SEPTEMBER 1980

WARNING

DANGEROUS VOLTAGE

is used in the operation of this equipment

DEATH ON CONTACT

may result if personnel fail to observe safety precautions

Never work on electronic equipment unless there is another person nearby who is familiar with the operation and hazards of the equipment and who is competent in administering first aid. When the technician is aided by operators, he must warn them about dangerous areas.

Whenever possible, the power supply to the equipment must be shut off before beginning work on the equipment. Take particular care to ground every capacitor likely to hold a dangerous potential. When working inside the equipment, after the power has been turned off, always ground every part before touching it.

Be careful not to contact high-voltage connections when installing or operating this equipment.

Whenever the nature of the operation permits, keep one hand away from the equipment to reduce the hazard of current flowing through vital organs of the body.

WARNING

> **Do not be misled by the term "low voltage." Potentials as low as 50 volts may cause death under adverse conditions.**

For Artificial Respiration, refer to FM 21-11.

EXTREMELY DANGEROUS POTENTIALS

greater than 500 volts exist in the following units:

Display console high voltage power supply

Display console CRT

WARNING

> **For emergencies requiring immediate shutdown of system power, press SYSTEM POWER OFF switch located on power cabinet power transfer unit. Observe that SYSTEM POWER ON indicator light goes off.**

Change 3 a

CAUTION

CMOS memories contain electrostatic sensitive devices requiring special handling to avoid electrostatic discharge damage. When removing and replacing memory cards, observe the following precautions:

a. Immediately prior to handling within the shelter, make physical contact with a grounded surface to discharge any possible buildup of static electricity.
b. Package the memory storage cards in electrostatic bags prior to removing from the shelter.

Change 3 b

LIST OF EFFECTIVE PAGES

Insert latest change pages, dispose of superseded pages in accordance with applicable regulations.

NOTE:
The portion of the text affected by the changes is indicated by a vertical line in the outer margins of the page.

Dates of issue for original and change pages are:

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ORGANIZATIONAL MAINTENANCE MANUAL: FAULT CATALOG

GUIDED MISSILE AIR DEFENSE SYSTEM AN/TSQ-73

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*This manual supersedes TM 9-1430-655-20-2, 6 October 1978.

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Change 4 ii

CHAPTER 1

INTRODUCTION

1-1. General This manual contains the information necessary to isolate a malfunction in the AN/TSQ-73 system to replaceable circuit cards or modules when used with the procedures of TM 9-1430-655-20-1 and system fault isolation programs. The maintenance and diagnostic (M&D) fault catalog instructions are generated to subsystem and unit levels, and provide definitive directions for isolating an equipment malfunction in the system.

1-2. Forms, Records, and Reports. Refer to DA PAM 738-750 for the use and completion of all forms required for operating and maintaining the MTS.

1-3. Reporting Equipment Publications Improvements. Reporting of errors and omissions and recommendations by the individual user for improving this publication is encouraged. Reports should be submitted on DA Form 2028, Recommended Changes to Publications, and forwarded

to: Commander, U.S. Army Missile Command, ATTN: AMSMI-LC-ME-P, Redstone Arsenal, AL 35898-5238.

1-4. M&D Fault Catalog Description. The M&D fault catalog is a definitive listing of fault isolation program-generated error stop numbers, and is used to locate cards or modules which could cause the indicated malfunction. The numbers listed in the fault catalog which correspond to error stop numbers displayed on the ADP status and control panel DIAGNOSE CODE readout and printed on the KPU, are a result of the execution of a subsystem fault isolation program and are listed by equipment subsystem. Corresponding card or module locations are listed by connector number (JXXXX) and/or by name and part number. Table 1-1 lists the computer commands used to run subsystem fault isolation programs, and table 1-2 contains the fault catalog divisions of error stop number listings.

Table 1-1. Subsystem Diagnostic Program FI Codes

Subsystem	ADP status and control panel PROGRAM/TEST switch	KPU entry
ADP	Bootstrap load -66 or 76	-
RIE	50	CC50
VSU	51	CC51
DDG	52	CC52
KPU	53	CC53
MTU	54	CC54
Data Comm	55	CC55
Display Console	56	CC56

Table 1-2. Fault Catalog Equipment Subsystem Divisions

Fault isolation program	Subsystem	Fault catalog table
ADP FI	ADP error stop location matrix	2-1
	Central processor unit (CPU)	2-2
	Input/output unit (IOU)	2-3
	Buffer unit	2-4
	32K memory unit address 0	2-5
	32K memory unit address 1	2-6
	32K memory unit address 2	2-7
	32K memory unit address 3	2-8
	Display console 0 LHS (W/ADP FI)	2-13
	Display console 0 CS (W/ADP FI)	2-14
	Display console 1 LHS (W/ADP FI)	2-15
	Display console 1 CS (W/ADP FI)	2-16
MTU FI	Magnetic tape unit (MTU)	2-17
	Magnetic tape unit (MTU) (W/ADP FI)	2-17A
Display Console FI	Display console error stop location matrix	2-18
	Display console LHS	2-19
	Display console CS	2-20
	Display console RHS	2-21
DDG FI	DDG error stop location matrix	2-22
	DDG LHS	2-23
	DDG RHS	2-24
RIE FI	RIE error stop location matrix	2-25
	Radar integration unit (RIU)	2-26
	Video processor unit (VPU)	2-27
	RIE analog section	2-28
	RIE 16K memory	2-29
VSU FI	Video simulator unit (VSU)	2-31

NOTE: For data COMM FI Diagnose codes, refer to DATA COMM FI Flow Chart in TM 9- 1430-655-20-7.

For KPU Fault Isolation procedures, refer to TM 9-1430-655-20-1 and TM 9-1430-656-14-1.

CHAPTER 2

M&D FAULT CATALOG IMPLEMENTATION

2-1. General. The M&D fault catalog is used after execution of a subsystem fault isolation (FI) program and as directed by procedures in TM 9-1430-665-20-1. The FI program generates an error stop number relating to the general area of the malfunction and corresponding to an identical number listed in the subsystem's fault catalog fault location table. The following paragraphs define the use of the fault location tables when used with the procedures contained in TM 9-1430655-20-1.

2-2. Fault Determination. To determine if an actual fault exists when a TMON number is printed on the KPU or displayed in the DIAGNOSE CODE readout, or when a fault is indicated on the data display group (DDG), perform the following procedures before initiating fault isolation procedures.

    a. Determine whether the indicated faulty unit is on-line. If the unit is off-line, either bring it on-line or disregard the TMON and/or fault indication.

    b. Perform a system RESTART by setting the PROGRAM TEST SELECT thumbwheels to 00 and pressing the RESTART switch.

    c. If the TMON is displayed again after the 00 RESTART, perform an 06 RESTART.

    d. If the TMON is still displayed after the 06 RESTART, either reconfigure according to TM 9-1430652-10-3 or perform fault isolation according to TM 91430-655-20-1.

2-3. Fault Catalog Utilization. When referring to the M&D fault catalog from the FI flow charts (TM 9-1430655-20-1), five general conditions apply:

    a. Determine unit being tested (reference table 1-2).

    b. Refer to the appropriate fault location table.

    c. Read any special notes which are located prior to the error stop number listings.

    d. Locate corresponding error stop number in fault location table. The tables are divided into sections, based on the conditions of the PROG LOAD STATUS and DIAGNOSE STATUS indicators on the ADP status and control panel. The order of division within a given fault location table is as listed below:

PROGRAM LOAD STATUS	IOU	OFF	CPU	OFF
DIAGNOSE STATUS	IOU	OFF	CPU	OFF
PROGRAM LOAD STATUS	IOU	OFF	CPU	OFF
DIAGNOSE STATUS	IOU	OFF	CPU	ON

PROGRAM LOAD STATUS	IOU	OFF	CPU	OFF
DIAGNOSE STATUS	IOU	ON	CPU	OFF
PROGRAM LOAD STATUS	IOU	OFF	CPU	OFF
DIAGNOSE STATUS	IOU	ON	CPU	ON
PROGRAM LOAD STATUS	IOU	OFF	CPU	ON
DIAGNOSE STATUS	IOU	OFF	CPU	OFF
PROGRAM LOAD STATUS	IOU	OFF	CPU	ON
DIAGNOSE STATUS	IOU	OFF	CPU	ON
PROGRAM LOAD STATUS	IOU	OFF	CPU	ON
DIAGNOSE STATUS	IOU	ON	CPU	OFF
PROGRAM LOAD STATUS	IOU	OFF	CPU	ON
DIAGNOSE STATUS	IOU	ON	CPU	ON
PROGRAM LOAD STATUS	IOU	ON	CPU	OFF
DIAGNOSE STATUS	IOU	OFF	CPU	OFF
PROGRAM LOAD STATUS	IOU	ON	CPU	OFF
DIAGNOSE STATUS	IOU	OFF	CPU	ON
PROGRAM LOAD STATUS	IOU	ON	CPU	ON
DIAGNOSE STATUS	IOU	OFF	CPU	OFF
PROGRAM LOAD STATUS	IOU	ON	CPU	ON
DIAGNOSE STATUS	IOU	OFF	CPU	ON
PROGRAM LOAD STATUS	IOU	ON	CPU	ON
DIAGNOSE STATUS	IOU	ON	CPU	ON

    e. Perform the actions specified for the particular error stop number and appropriate program load and diagnose status conditions.

2-4. Error Stop Number Location Matrices. The ADP, display console, DDG, and RIE error stop location matrices are used with the fault isolation flow charts (TM 9-1430-655-20-1) to determine the proper fault isolation sequence for the unit-under-test. The matrices locate the error stop number, within a subsystem of the unit-under-test. Where an error stop number is located in more than one subsystem, the unit fault isolation flow chart determines which subsystem should be isolated first.

2-5. MTS Testable and Non-testable Cards. An error stop number may indicate cards testable by the MTS as well as those cards which must be substituted in order to determine whether or not they are faulty. The MTS testable cards are designated by their location only (e.g., J1118, J1128, J1209-J1210, etc.). Nontestable cards are indicated by their location, nomenclature, and part number (e.g., J1311 Read/ Write 10282702).

NOTE
If a non-testable card is listed within a group of testable cards, replace it, if necessary, after completing testing of testable cards.

2-6. Card Location Data. Card locations can be determined by the connector number as listed. This connector number corresponds to an A number as used in TM 9-1430-655-20-1 series for card location.

Example: J1234(A1234)
J = connector (A = card)
1 = bay number
2 = card shelf
34 = card slot

NOTE
MTS testable cards linked with dashes (J1109-J1110) indicate the cards are in adjacent locations on the card shelf.

2-7. Card Substitution. When substituting more than one card, the following procedure should be followed.

a. Replace first card in group with spare of same type.

b. If fault is not corrected, replace original card and substitute next card in group with spare of same type (first spare if second card is same).

c. Continue above procedure until fault is corrected or last card in group has been substituted.

d. Any failed card should be tagged and handled according to unit SOP.

e. If the trouble was not corrected, replace spare card in storage and continue further FI procedures.

2-8. M&D Fault Catalog Entries. The following are examples of fault catalog entries and explanations of how they are implemented.

a. Error stop number only listed once and contains the location of digital card that should be checked using the MTS. Adjacent cards are indicated by the dashes.

Example:

200745   J1102-J1103 J1106 J1109-J1110-J1111
            -J1121-J1122-J1123-J1124 J1126-J1127
            -J1210-J1211-J1212-J1213-J1214-J1215
            -J1224-J1225-J1226-J1227-J1228-J1229
            -J1320-J1321-J1322 J1324

b. Error stop number listed twice. Perform actions indicated by its first listing. Replace a single non-MTS testable card first. If fault is not corrected, test in the MTS the digital cards listed by the second error-stop listing.

Example:
200755   1.   Replace: J1311 Read/Write
                  Memory 10282702.

            2.   Test digital cards.

200755   J1118-J1119 J1132 J1134 J1209 J1230

c. Error stop number listed twice. In this case, the digital card listed under the second error stop listing would be checked first and if the fault was not found, the single non-testable card would be replaced.

Example:
777007   1.   Test digital cards.
            2.   Replace: J1316 Clock Card 587100.

777007   J1101-J1102-J1103-J1104-J1105
            -J1114-J1115-J1116-J1117-J1118
            -J1128 J1130 J1136-J1137-J1138
            -J1202-J1203-J1204-J1205-J1206
            -J1214-J1215-J1216-J1217-J1218

d. Double listing of same error stop number. The first action to perform would be to test the digital card and those listed under the second error stop listing. If fault is not found, the non-testable card would be replaced.

Example:

201027   1.   Test digital card in J1130 and those
                  listed below.

            2.   Replace: J1311   Read/Write
                  Memory 0282702.

201027   J1120-J1121 J1213-J1214-J1215-J1216

e. Error stop number only listed once. The non MTS testable card would be replaced as the only action required under this error stop number.

Example:
202356   Replace: J1333 Category Select 1
                         10281673.

f. Error stop number only listed once. The card in A would be replaced and if the fault is not corrected, the card in B would be replaced. If the location of a card is different from the fault catalog section where the error stop number is found, its location will be indicated (see B).

Example:
505413   Substitute the following card assemblies:
         A. J1220 Video Mixer 10282719.
         B. In(RIU)J131 Quad 2 587102.

   g. Error stop number listed twice. The indicated cards under the first listing and those listed under the second listing would be checked using the MTS. If the fault is not found, non-MTS testable cards would be substituted/replaced in the sequence indicated until the fault is found or all indicated cards have been substituted.

Example:
035203   1. Test digital cards in J1214, J1216 and those listed below.

   2.   Substitute the following card assemblies:

         A. J2345 Clock Card 587100.
         B. J1215 Adder 587130.
         C. J1217 Adder 587130.
         D. J1218 Adder 587130.
         E. J1219 Adder 587130.
         F. J1220 Adder 587130.
         G. J1221 Adder 587130.

035203 J1113 J1123-J1124-J1125-J1126-J1127-J1128
        J1143 J1145-J1146 J1148-J1149-J1150-J1151

2-9. Fault Isolation Tables. Tables 2-1 through 2-31 list the possible error stop numbers for each subsystem in the system.

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX

NOTE:
"Y' INDICATES ERROR STOP IS LOCATED IN INDICATED FAULT CATALOG SECTION.

"-' INDICATES ERROR STOP IS NOT LOCATED IN INDICATED FAULT CATALOG SECTION.

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000000	Y	Y	Y	Y	Y	Y	Y	Y	-	Y	-	-
000001	Y	-	-	Y	-	-	-	-	-	-	-	-
000002	Y	Y	-	Y	-	-	Y	-	-	-	-	-
000003	Y	Y	-	Y	Y	Y	Y	-	-	-	-	Y
000004	Y	Y	-	Y	-	-	-	-	-	-	-	-
000005	Y	Y	-	Y	-	-	-	-	-	-	-	-
000006	Y	Y	-	Y	-	-	-	-	-	-	-	Y
000007	Y	Y	-	-	-	-	-	-	-	-	-	-
000010	Y	Y	-	Y	-	-	-	-	-	-	-	Y
000011	Y	Y	-	-	-	-	-	-	-	-	-	-
000012	Y	Y	-	-	-	-	-	-	-	-	-	-
000013	Y	-	-	-	-	-	-	-	-	-	-	-
000014	Y	Y	-	-	-	-	-	-	-	-	-	-
000015	Y	-	-	Y	-	-	-	-	-	-	-	-
000016	Y	Y	-	Y	-	-	-	-	-	-	-	Y
000017	Y	Y	-	Y	-	-	-	-	-	-	-	-
000020	Y	-	-	-	-	-	-	-	-	-	-	-
000021	Y	-	-	-	Y	-	-	-	-	-	-	-
000022	Y	Y	-	-	-	-	-	-	-	-	-	-
000023	Y	Y	-	Y	-	Y	-	-	-	-	-	-
000024	Y	Y	-	Y	-	-	-	-	-	-	-	-
000025	Y	Y	-	Y	-	Y	-	-	-	-	-	-
000026	Y	-	-	-	-	-	-	-	-	-	-	-
000027	Y	Y	-	Y	-	-	-	-	-	-	-	-
000030	Y	-	-	-	-	-	-	-	-	-	-	-
000031	Y	-	-	Y	-	-	-	-	-	-	-	-
000032	Y	Y	-	Y	-	-	-	-	-	-	-	-
000033	Y	-	-	-	-	-	-	-	-	-	-	-
000034	Y	-	-	-	-	-	-	-	-	-	-	-
000035	Y	Y	-	Y	-	-	-	-	-	-	-	-
000036	Y	-	-	-	-	Y	-	-	-	-	-	-
000037	Y	Y	-	-	-	-	-	-	-	-	-	-
000040	Y	Y	-	Y	-	-	-	-	-	-	-	-
000041	Y	-	-	-	-	-	-	-	-	-	-	-
000042	Y	Y	-	-	-	-	-	-	-	-	-	-
000043	Y	Y	-	-	-	-	-	-	-	-	-	-
000044	Y	Y	-	Y	Y	-	-	-	-	-	-	-
000045	Y	Y	-	Y	Y	-	-	-	-	-	-	-
000046	Y	-	-	-	-	-	-	-	-	-	-	-
000047	Y	Y	-	-	-	-	-	-	-	-	-	-
000050	Y	Y	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | | | | IOU OFF | | CPU OFF | | | | | |
| DIAGNOSE STATUS | | | | IOU OFF | | CPU OFF | | | | | |

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
000051	Y	Y	-	Y	-	-	-	-	-	-	-	-
000052	Y	Y	-	-	-	-	-	-	-	-	-	-
000053	Y	Y	-	Y	Y	Y	Y	-	-	-	-	Y
000054	Y	Y	-	-	-	-	-	-	-	-	-	-
000055	Y	-	-	Y	-	-	-	-	-	-	-	-
000056	Y	-	-	-	-	-	-	-	-	-	-	-
000057	Y	-	-	-	-	-	-	-	-	-	-	-
000060	Y	-	-	-	-	-	-	-	-	-	-	-
000061	Y	Y	-	Y	-	-	-	-	-	-	-	-
000062	Y	Y	-	-	-	-	-	-	-	-	-	-
000063	Y	Y	-	-	-	-	-	-	-	-	-	-
000064	Y	-	-	-	-	-	-	-	-	-	-	-
000065	Y	-	-	-	-	-	-	-	-	-	-	Y
000066	Y	-	-	-	-	-	-	-	-	-	-	-
000070	Y	-	-	-	-	-	-	-	-	-	-	-
000072	Y	-	-	-	-	-	-	-	-	-	-	-
000073	Y	-	-	-	-	-	-	-	-	-	-	-
000074	Y	-	-	-	-	-	-	-	-	-	-	-
000075	Y	-	-	-	-	-	-	-	-	-	-	-
000076	Y	-	-	-	-	-	-	-	-	-	-	-
000077	Y	-	-	-	-	-	-	-	-	-	-	-
000100	Y	-	-	Y	Y	-	-	-	-	-	-	-
000101	Y	-	-	-	-	-	-	-	-	-	-	-
000102	Y	-	-	-	-	Y	-	-	-	-	-	-
000103	Y	Y	-	-	-	-	-	-	-	-	-	-
000105	Y	-	-	Y	-	-	-	-	-	-	-	-
000106	Y	-	-	Y	-	-	-	-	-	-	-	-
000107	Y	Y	-	-	-	-	-	-	-	-	-	-
000110	Y	-	-	-	-	-	-	-	-	-	-	-
000111	Y	-	-	-	-	-	-	-	-	-	-	-
000112	Y	Y	-	-	-	-	-	-	-	-	-	-
000113	Y	-	-	Y	-	-	-	-	-	-	-	-
000114	Y	-	-	-	Y	-	-	-	-	-	-	-
000115	Y	-	-	-	-	-	-	-	-	-	-	-
000117	Y	-	-	-	-	-	-	-	-	-	-	-
000121	Y	-	-	-	-	-	-	-	-	-	-	-
000123	Y	-	-	-	-	-	-	-	-	-	-	-
000126	Y	-	-	-	-	-	-	-	-	-	-	-
000130	Y	-	-	-	Y	-	-	-	-	-	-	-
000131	Y	-	-	-	-	-	-	-	-	-	-	-
000132	Y	Y	-	Y	Y	-	Y	-	-	-	-	-
000133	Y	Y	-	Y	Y	Y	Y	-	-	-	-	Y
000134	Y	-	-	Y	-	-	-	-	-	-	-	-
000135	Y	-	-	Y	-	-	-	-	-	-	-	-
000136	Y	-	-	-	-	-	-	-	-	-	-	-
000137	Y	-	-	-	-	Y	-	-	-	-	-	-
000140	Y	-	-	-	-	-	-	-	-	-	-	-
000141	Y	Y	-	-	-	-	-	-	-	-	-	-
000142	Y	-	-	-	-	-	-	-	-	-	-	-
000143	Y	-	-	Y	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS			IOU OFF		CPU OFF							
DIAGNOSE STATUS			IOU OFF		CPU OFF							

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0 LHS CS		CNSL-1 LHS CS		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000144	Y	-	-	-	-	-	-	-	-	-	-	-
000145	Y	-	-	-	-	-	-	-	-	-	-	-
000146	Y	-	-	-	-	-	-	-	-	-	-	-
000147	Y	-	-	-	-	-	-	-	-	-	-	-
000150	Y	-	-	-	-	-	-	-	-	-	-	-
000151	Y	Y	-	-	-	-	-	-	-	-	-	-
000152	Y	-	-	-	-	-	-	-	-	-	-	-
000153	Y	-	-	-	-	-	-	-	-	-	-	-
000154	Y	-	-	-	-	-	-	-	-	-	-	-
000155	Y	-	-	-	-	-	-	-	-	-	-	-
000156	Y	-	-	-	-	-	-	-	-	-	-	-
000157	Y	-	-	-	-	-	-	-	-	-	-	-
000160	Y	-	-	-	-	-	-	-	-	-	-	-
000161	Y	-	-	-	-	-	-	-	-	-	-	-
000162	Y	-	-	-	-	-	-	-	-	-	-	-
000163	Y	-	-	-	-	-	-	-	-	-	-	-
000164	Y	-	-	-	-	-	-	-	-	-	-	-
000165	Y	-	-	-	-	-	-	-	-	-	-	-
000166	Y	-	-	-	-	-	-	-	-	-	-	-
000167	Y	Y	-	-	-	-	-	-	-	-	-	-
000171	Y	-	-	-	-	-	-	-	-	-	-	-
000172	Y	Y	-	-	-	-	-	-	-	-	-	-
000173	Y	Y	-	-	-	-	-	-	-	-	-	-
000176	Y	-	-	Y	Y	-	-	-	-	-	-	-
000177	Y	-	-	-	-	-	-	-	-	-	-	-
000200	Y	-	-	-	-	-	-	-	-	-	-	-
000201	Y	-	-	-	-	-	-	-	-	-	-	-
000202	Y	-	-	-	-	-	-	-	-	-	-	-
000203	Y	Y	-	-	-	-	-	-	-	-	-	-
000204	Y	-	-	-	-	-	-	-	-	-	-	-
000205	Y	-	-	-	-	-	-	-	-	-	-	-
000206	Y	-	-	-	-	-	-	-	-	-	-	-
000207	Y	-	-	-	-	-	-	-	-	-	-	-
000210	Y	-	-	-	-	-	-	-	-	-	-	-
000211	Y	-	-	-	-	-	-	-	-	-	-	-
000212	Y	-	-	-	-	-	-	-	-	-	-	-
000213	Y	-	-	-	-	-	-	-	-	-	-	-
000214	Y	-	-	-	-	-	-	-	-	-	-	-
000216	Y	Y	-	-	-	-	-	-	-	-	-	-
000217	Y	-	-	-	-	-	-	-	-	-	-	-
000220	Y	-	-	-	-	-	-	-	-	-	-	-
000221	Y	-	-	-	-	-	-	-	-	-	-	-
000222	Y	-	-	-	-	-	-	-	-	-	-	-
000223	Y	Y	-	-	-	-	-	-	-	-	-	-
000224	Y	-	-	-	-	-	-	-	-	-	-	-
000225	Y	-	-	-	-	-	-	-	-	-	-	-
000226	Y	-	-	-	-	-	-	-	-	-	-	-
000227	Y	Y	-	-	-	-	-	-	-	-	-	-
000230	Y	-	-	-	-	-	-	-	-	-	-	-
000231	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000232	-	-	-	-	-	-	-	-	-	-	-	-
000233	-	-	-	-	-	-	-	-	-	-	-	-
000234	-	-	-	-	-	-	-	-	-	-	-	-
000235	-	-	-	-	-	-	-	-	-	-	-	-
000236	-	-	-	-	-	-	-	-	-	-	-	-
000237	-	-	-	-	-	-	-	-	-	-	-	-
000240	-	-	-	-	-	-	-	-	-	-	-	-
000242	-	-	-	-	-	-	-	-	-	-	-	-
000243	-	-	-	-	-	-	-	-	-	-	-	-
000246	-	-	-	-	-	-	-	-	-	-	-	Y
000250	-	-	-	-	-	-	-	-	-	-	-	-
000254	Y	-	-	-	-	-	-	-	-	-	-	-
000263	-	-	-	-	-	-	-	-	-	-	-	-
000276	-	-	-	-	-	-	-	-	-	-	-	-
000316	-	-	-	-	-	-	-	-	-	-	-	-
000317	-	-	-	-	-	-	-	-	-	-	-	-
000320	-	-	-	-	-	-	-	-	-	-	-	-
000321	-	-	-	-	-	-	-	-	-	-	-	-
000325	-	-	Y	-	-	-	-	-	-	-	-	-
000326	Y	-	-	-	-	-	-	-	-	-	-	-
000327	-	-	-	-	-	-	-	-	-	-	-	-
000330	-	-	-	-	-	-	-	-	-	-	-	-
000331	-	-	-	-	-	-	-	-	-	-	-	-
000333	-	-	-	-	-	-	-	-	-	-	-	-
000334	-	-	-	-	-	-	-	-	-	-	-	-
000335	-	-	-	-	-	-	-	-	-	-	-	-
000336	-	-	-	-	-	-	-	-	-	-	-	-
000340	-	-	-	-	-	-	-	-	-	-	-	-
000342	Y	-	-	-	-	-	-	-	-	-	-	-
000343	Y	-	-	-	-	-	-	-	-	-	-	-
000345	-	-	-	-	-	-	-	-	-	-	-	-
000346	-	-	-	-	-	-	-	-	-	-	-	-
000347	-	-	-	-	-	-	-	-	-	-	-	-
000350	-	-	-	-	-	-	-	-	-	-	-	-
000351	-	-	-	-	-	-	-	-	-	-	-	-
000352	-	-	-	-	-	-	-	-	-	-	-	-
000353	-	-	-	-	-	-	-	-	-	-	-	-
000354	-	-	-	-	-	-	-	-	-	-	-	-
000355	-	-	-	-	-	-	-	-	-	-	-	-
000356	-	-	-	-	-	-	-	-	-	-	-	-
000357	-	-	-	-	-	-	-	-	-	-	-	-
000360	-	-	-	-	-	-	-	-	-	-	-	-
000361	-	-	-	-	-	-	-	-	-	-	-	-
000362	-	-	-	-	-	-	-	-	-	-	-	-
000363	-	-	-	-	-	-	-	-	-	-	-	-
000364	-	-	-	-	-	-	-	-	-	-	-	-
000365	Y	-	-	-	-	-	-	-	-	-	-	-
000367	-	-	Y	-	-	-	-	-	-	-	-	-
000371	-	-	-	-	-	-	-	-	-	-	-	-
000372	Y	-	-	-	-	-	-	-	-	-	-	Y

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS CS	CNSL-1 LHS CS	MTU
000374	Y	-	-	-	-	-	-	- -	- -	-
000376	Y	-	-	-	-	-	-	- -	- -	-
000377	Y	-	-	-	-	-	-	- -	- -	-
000400	Y	-	-	-	-	-	-	- -	- -	-
000401	Y	-	-	-	-	-	-	- -	- -	-
000402	Y	-	-	-	-	-	-	- -	- -	-
000403	Y	-	-	-	-	-	-	- -	- -	-
000404	Y	Y	-	-	-	-	-	- -	- -	-
000405	Y	-	-	-	-	-	-	- -	- -	-
000406	Y	Y	-	-	-	-	-	- -	- -	-
000407	Y	-	-	Y	-	-	-	- -	- -	-
000410	Y	-	-	-	-	-	-	- -	- -	-
009411	Y	-	-	-	-	-	-	- -	- -	-
000414	Y	Y	-	-	-	-	-	- -	- -	-
000416	Y	-	-	-	-	-	-	- -	- -	-
000420	Y	-	-	-	-	-	-	- -	- -	-
000422	Y	-	-	-	-	-	-	- -	- -	-
000423	Y	-	-	-	-	-	-	- -	- -	-
000424	Y	-	-	-	-	-	-	- -	- -	-
000430	Y	-	-	-	-	-	-	- -	- -	-
000431	Y	-	-	-	-	-	-	- -	- -	-
000432	Y	-	-	-	-	-	-	- -	- -	-
000433	Y	-	-	-	-	-	-	- -	- -	-
000434	Y	-	-	-	-	-	-	- -	- -	-
000436	Y	-	-	-	-	-	-	- -	- -	-
000437	Y	-	-	-	-	-	-	- -	- -	-
000441	Y	Y	-	-	-	-	-	- -	- -	-
000442	Y	-	-	-	-	-	-	- -	- -	-
000444	Y	-	-	-	-	-	-	- -	- -	-
000445	Y	-	-	-	-	-	-	- -	- -	-
000447	Y	Y	-	-	-	-	-	- -	- -	-
000450	Y	-	-	-	-	-	-	- -	- -	-
000451	Y	-	-	-	-	-	-	- -	- -	-
000452	Y	-	-	-	-	-	-	- -	- -	-
000453	Y	-	-	-	-	-	-	- -	- -	-
000454	Y	-	-	-	-	-	-	- -	- -	-
000463	Y	-	-	-	-	-	-	- -	- -	-
000464	Y	-	-	-	-	-	-	- -	- -	-
000465	Y	-	-	-	-	-	-	- -	- -	-
000466	Y	-	-	-	-	-	-	- -	- -	-
000467	Y	-	-	-	-	-	-	- -	- -	-
000470	Y	Y	-	-	-	-	-	- -	- -	-
000471	Y	-	-	-	-	-	-	- -	- -	-
000473	Y	-	-	-	-	-	-	- -	- -	-
000474	Y	Y	-	-	-	-	-	- -	- -	-
000475	Y	-	-	-	-	-	-	- -	- -	-
000477	Y	-	-	-	-	-	-	- -	- -	-
000500	Y	-	-	-	-	-	-	- -	- -	-
000501	Y	-	-	-	-	-	-	- -	- -	-
000502	Y	-	-	-	-	-	-	- -	- -	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS			IOU OFF		CPU OFF								
DIAGNOSE STATUS			IOU OFF		CPU OFF								

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000503	Y	-	-	-	-	-	-	-	-	-	-	-
000504	Y	-	-	-	-	-	-	-	-	-	-	-
000505	Y	-	-	-	-	-	-	-	-	-	-	-
000506	Y	-	-	-	-	-	-	-	-	-	-	-
000510	Y	-	-	-	-	-	-	-	-	-	-	-
000511	Y	-	-	-	-	-	-	-	-	-	-	-
000513	Y	-	-	-	-	-	-	-	-	-	-	-
000514	Y	-	-	-	-	-	-	-	-	-	-	-
000515	Y	-	-	-	-	-	-	-	-	-	-	-
000516	Y	-	-	-	-	-	-	-	-	-	-	-
000517	Y	-	-	-	-	-	-	-	-	-	-	-
000520	Y	-	-	-	-	-	-	-	-	-	-	-
000522	Y	-	-	-	-	-	-	-	-	-	-	-
000523	Y	-	-	-	-	-	-	-	-	-	-	-
000524	Y	-	-	-	-	-	-	-	-	-	-	-
000525	Y	-	-	-	-	-	-	-	-	-	-	-
000526	Y	-	-	-	-	-	-	-	-	-	-	-
000527	Y	-	-	-	-	-	-	-	-	-	-	-
000531	Y	-	-	-	-	-	-	-	-	-	-	-
000532	Y	-	-	-	-	-	-	-	-	-	-	-
000534	Y	-	-	-	-	-	-	-	-	-	-	-
000536	Y	-	-	-	-	-	-	-	-	-	-	-
000537	Y	-	-	-	-	-	-	-	-	-	-	-
000540	Y	-	-	-	-	-	-	-	-	-	-	-
000541	Y	-	-	-	-	-	-	-	-	-	-	-
000542	Y	-	-	-	-	-	-	-	-	-	-	-
000543	Y	-	-	-	-	-	-	-	-	-	-	-
000544	Y	-	-	-	-	-	-	-	-	-	-	-
000545	Y	-	-	-	-	-	-	-	-	-	-	-
000546	Y	-	-	-	-	-	-	-	-	-	-	-
000547	Y	-	-	-	-	-	-	-	-	-	-	-
000550	Y	-	-	-	-	-	-	-	-	-	-	-
000551	Y	-	-	-	-	-	-	-	-	-	-	-
000552	Y	-	-	-	-	-	-	-	-	-	-	-
000553	Y	-	-	-	-	-	-	-	-	-	-	-
000555	Y	-	-	-	-	-	-	-	-	-	-	-
000556	Y	-	-	-	-	-	-	-	-	-	-	-
000557	Y	-	-	-	-	-	-	-	-	-	-	-
000560	Y	-	-	-	-	-	-	-	-	-	-	-
000561	Y	-	-	-	-	-	-	-	-	-	-	-
000564	Y	-	-	-	-	-	-	-	-	-	-	-
000565	Y	-	-	Y	-	-	-	-	-	-	-	-
000566	Y	-	-	-	-	-	-	-	-	-	-	-
000567	Y	-	-	-	-	-	-	-	-	-	-	-
000570	Y	-	-	-	-	-	-	-	-	-	-	-
000571	Y	-	-	-	-	-	-	-	-	-	-	-
000572	Y	-	-	-	-	-	-	-	-	-	-	-
000573	Y	-	-	-	-	-	-	-	-	-	-	-
000574	-	Y	-	-	-	-	-	-	-	-	-	-
000575	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
000576	Y	-	-	-	-	-	-	-	-	-	-	-
000577	Y	-	-	-	-	-	-	-	-	-	-	-
000600	Y	-	-	-	-	-	-	-	-	-	-	-
000601	Y	-	-	-	-	-	-	-	-	-	-	-
000602	Y	-	-	-	-	-	-	-	-	-	-	-
000604	Y	-	-	-	-	-	-	-	-	-	-	-
000606	Y	-	-	-	-	-	-	-	-	-	-	-
000610	Y	-	-	-	-	-	-	-	-	-	-	-
000614	Y	-	-	-	-	-	-	-	-	-	-	-
000624	Y	-	-	-	-	-	-	-	-	-	-	-
000625	Y	-	-	-	-	-	-	-	-	-	-	-
000626	Y	-	-	-	-	-	-	-	-	-	-	-
000627	Y	-	-	-	-	-	-	-	-	-	-	-
000630	Y	-	-	-	-	-	-	-	-	-	-	-
000631	Y	-	-	-	-	-	-	-	-	-	-	-
000632	Y	-	-	-	-	-	-	-	-	-	-	-
000633	Y	-	-	-	-	-	-	-	-	-	-	-
000634	Y	-	-	-	-	-	-	-	-	-	-	-
000635	Y	Y	-	-	-	-	-	-	-	-	-	-
000637	Y	-	-	-	-	-	-	-	-	-	-	-
000643	Y	-	-	-	-	-	-	-	-	-	-	-
000644	Y	Y	-	-	-	-	-	-	-	-	-	-
000645	Y	-	-	-	-	-	-	-	-	-	-	-
000646	Y	-	-	-	-	-	-	-	-	-	-	-
000647	Y	-	-	-	-	-	-	-	-	-	-	-
000650	Y	-	-	-	-	-	-	-	-	-	-	-
000651	Y	-	-	-	-	-	-	-	-	-	-	-
000652	Y	-	-	-	-	-	-	-	-	-	-	-
000653	Y	-	-	-	-	-	-	-	-	-	-	-
000654	Y	-	-	-	-	-	-	-	-	-	-	-
000655	Y	Y	-	-	-	-	-	-	-	-	-	-
000656	Y	-	-	-	-	-	-	-	-	-	-	-
000657	Y	-	-	-	-	-	-	-	-	-	-	-
000660	Y	-	-	-	-	-	-	-	-	-	-	-
000661	Y	-	-	-	-	-	-	-	-	-	-	-
000662	Y	-	-	-	-	-	-	-	-	-	-	-
000663	Y	-	-	-	-	-	-	-	-	-	-	-
000664	Y	-	-	-	-	-	-	-	-	-	-	-
000665	Y	-	-	Y	-	-	-	-	-	-	-	-
000666	Y	-	-	-	-	-	-	-	-	-	-	-
000670	Y	-	-	-	-	-	-	-	-	-	-	-
000672	Y	-	-	-	-	-	-	-	-	-	-	-
000674	Y	Y	-	-	-	-	-	-	-	-	-	-
000675	Y	-	-	-	-	-	-	-	-	-	-	-
000676	Y	-	-	-	-	-	-	-	-	-	-	Y
000701	Y	Y	-	-	-	-	-	-	-	-	-	-
000702	Y	-	-	-	-	-	-	-	-	-	-	-
000703	Y	-	-	-	-	-	-	-	-	-	-	-
000704	Y	-	-	-	-	-	-	-	-	-	-	-
000705	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS			IOU OFF		CPU OFF							
DIAGNOSE STATUS			IOU OFF		CPU OFF							

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000706	Y	-	-	-	-	-	-	-	-	-	-	-
000707	Y	-	-	-	-	-	-	-	-	-	-	-
000710	Y	-	-	-	-	-	-	-	-	-	-	-
000711	Y	-	-	-	-	-	-	-	-	-	-	-
000712	Y	-	-	-	-	-	-	-	-	-	-	-
000715	Y	-	-	-	-	-	-	-	-	-	-	-
000716	Y	-	-	-	-	-	-	-	-	-	-	-
000717	Y	-	-	-	-	-	-	-	-	-	-	-
000720	Y	-	-	-	-	-	-	-	-	-	-	-
000721	Y	-	-	-	-	-	-	-	-	-	-	-
000722	Y	-	-	-	-	-	-	-	-	-	-	-
000724	Y	-	-	-	-	-	-	-	-	-	-	-
000725	Y	-	-	-	-	-	-	-	-	-	-	-
000726	Y	-	-	-	-	-	-	-	-	-	-	-
000727	Y	-	-	-	-	-	-	-	-	-	-	-
000730	Y	-	-	-	-	-	-	-	-	-	-	-
000732	Y	-	-	-	-	-	-	-	-	-	-	-
000734	Y	-	-	-	-	-	-	-	-	-	-	-
000735	Y	-	-	-	-	-	-	-	-	-	-	-
000736	Y	-	-	-	-	-	-	-	-	-	-	-
000737	Y	-	-	-	-	-	-	-	-	-	-	-
000740	Y	-	-	-	-	-	-	-	-	-	-	-
000741	Y	-	-	-	-	-	-	-	-	-	-	-
000742	Y	-	-	-	-	-	-	-	-	-	-	-
000745	Y	-	-	-	-	-	-	-	-	-	-	-
000746	Y	-	-	-	-	-	-	-	-	-	-	-
000750	Y	-	-	-	-	-	-	-	-	-	-	-
000751	Y	-	-	-	-	-	-	-	-	-	-	-
000753	Y	-	-	-	-	-	-	-	-	-	-	-
000755	Y	-	-	-	-	-	-	-	-	-	-	-
000760	Y	-	-	-	-	-	-	-	-	-	-	-
000761	Y	-	-	-	-	-	-	-	-	-	-	-
000762	Y	-	-	-	-	-	-	-	-	-	-	-
000763	Y	-	-	-	-	-	-	-	-	-	-	-
000764	Y	-	-	-	-	-	-	-	-	-	-	-
000765	Y	-	-	-	-	-	-	-	-	-	-	-
000766	-	Y	-	-	-	-	-	-	-	-	-	-
000767	Y	-	-	-	-	-	-	-	-	-	-	-
000770	Y	Y	-	-	-	-	-	-	-	-	-	-
000771	Y	-	Y	-	-	-	-	-	-	-	-	-
000772	Y	Y	-	Y	-	-	Y	-	-	-	-	-
000773	Y	-	-	-	-	-	-	-	-	-	-	-
000774	Y	-	-	-	-	-	-	-	-	-	-	-
000775	Y	Y	-	-	-	-	-	-	-	-	-	-
000776	Y	-	Y	-	-	-	-	-	-	-	-	-
000777	Y	-	Y	-	-	-	-	-	-	-	-	-
001000	Y	-	Y	-	-	-	Y	-	-	-	-	-
001001	Y	Y	-	-	-	-	-	-	-	-	-	-
001002	Y	-	-	-	-	-	-	-	-	-	-	-
001003	Y	Y	Y	Y	-	Y	Y	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS			IOU OFF		CPU OFF							
DIAGNOSE STATUS			IOU OFF		CPU OFF							

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
001005	Y	Y	Y	-	-	-	Y	-	-	-	-	-
001006	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
001007	Y	Y	-	-	-	Y	-	-	-	-	-	-
001010	Y	-	-	-	-	-	-	-	-	-	-	-
001011	Y	-	-	-	-	-	-	-	-	-	-	-
001012	Y	-	Y	-	-	-	Y	-	-	-	-	-
001013	Y	-	-	-	-	Y	-	-	-	-	-	-
001014	Y	-	-	-	-	-	-	-	-	-	-	-
001015	Y	-	-	-	-	-	-	-	-	-	-	-
001016	Y	-	-	-	-	-	-	-	-	-	-	-
001017	Y	-	-	-	-	-	-	-	-	-	-	-
001020	Y	-	-	-	-	-	-	-	-	-	-	-
001021	Y	Y	-	-	-	-	-	-	-	-	-	-
001022	Y	Y	-	-	-	-	-	-	-	-	-	-
001023	Y	-	-	-	-	-	-	-	-	-	-	-
001024	Y	-	-	-	-	-	-	-	-	-	-	-
001025	Y	-	-	-	-	-	-	-	-	-	-	-
001026	Y	-	-	-	-	Y	-	-	-	-	-	-
001030	Y	-	-	-	-	-	-	-	-	-	-	-
001031	Y	-	-	-	-	-	-	-	-	-	-	-
001032	Y	-	-	-	-	-	-	-	-	-	-	-
001033	Y	-	-	-	-	-	-	-	-	-	-	-
001034	Y	-	-	-	-	-	-	-	-	-	-	-
001035	Y	Y	-	-	-	-	-	Y	-	Y	-	-
001037	Y	Y	-	-	-	-	-	-	-	-	-	-
001040	Y	-	-	Y	Y	Y	Y	-	-	-	-	-
001041	Y	-	-	-	-	-	-	-	-	-	-	-
001042	Y	-	-	-	-	-	-	-	-	-	-	-
001043	Y	-	-	-	-	-	-	-	-	-	-	-
001044	Y	-	-	-	-	-	-	-	-	-	-	-
001045	Y	Y	-	-	-	-	-	-	-	-	-	-
001046	Y	-	-	-	-	-	-	-	-	-	-	-
001047	Y	-	-	-	-	-	-	-	-	-	-	-
001050	Y	Y	-	Y	Y	Y	Y	-	-	-	-	-
001051	Y	-	-	Y	-	-	-	-	-	-	-	-
001052	Y	Y	-	-	-	-	-	-	-	-	-	-
001053	-	-	-	-	-	-	-	-	-	-	-	-
001054	Y	-	-	Y	-	-	-	-	-	-	-	-
001055	Y	-	-	-	-	-	-	-	-	-	-	-
001056	Y	-	-	-	-	-	-	-	-	-	-	-
001057	Y	Y	Y	-	Y		-	Y	-	Y	-	-
001060	Y	Y	-	-	-	-	-	-	-	-	-	-
001061	Y	Y	-	-	-	-	-	-	-	-	-	-
001062	Y	Y	Y	-	-	-	-	Y	-	Y	-	Y
001063	Y	-	-	-	-	-	-	-	-	-	-	-
001064	Y	-	-	-	-	-	-	-	-	-	-	-
001065	Y	-	-	-	-	-	-	-	-	-	-	-
001066	Y	-	-	-	-	-	-	-	-	-	-	-
001067	Y	-	-	-	-	-	-	-	-	-	-	-
001070	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
001071	Y	-	-	-	-	-	-	-	-	-	-	-
001074	Y	-	-	-	-	-	-	-	-	-	-	-
001076	Y	-	-	-	-	-	-	-	-	-	-	-
001077	Y	-	-	-	-	-	-	-	-	-	-	-
001100	Y	-	-	-	-	-	-	-	-	-	-	-
001101	Y	-	-	-	-	-	-	-	-	-	-	-
001103	Y	-	-	-	-	-	-	-	-	-	-	-
001104	Y	-	-	-	-	-	-	-	-	-	-	-
001107	Y	-	-	-	-	-	-	Y	-	-	-	-
001110	Y	-	-	-	-	-	-	-	-	-	-	-
001111	Y	-	-	Y	-	-	-	-	-	-	-	-
001112	Y	-	-	-	-	-	-	-	-	-	-	-
001113	Y	Y	-	Y	-	-	-	Y	-	-	-	-
001114	Y	-	-	-	-	-	-	-	-	-	-	-
001115	Y	-	-	-	-	-	-	-	-	-	-	-
001116	Y	-	-	-	-	-	-	-	-	-	-	-
001117	Y	-	-	-	-	-	Y	Y	-	-	-	-
001120	Y	-	-	-	-	-	-	-	-	-	-	-
001121	Y	-	-	-	-	-	-	-	-	-	-	-
001122	Y	-	-	-	-	-	-	-	-	-	-	-
001123	Y	-	-	-	-	-	-	-	-	-	-	-
001124	Y	-	-	-	-	-	-	-	-	-	-	-
001125	Y	-	-	-	-	-	-	-	-	-	-	-
001127	Y	Y	-	-	-	-	-	Y	-	-	-	-
001131	Y	-	-	-	-	-	-	-	-	-	-	-
001133	Y	-	-	-	-	-	-	Y	-	-	-	-
001134	Y	-	-	-	-	-	-	Y	-	-	-	-
001135	Y	-	-	-	-	-	-	Y	-	-	-	-
001136	Y	-	-	-	-	-	-	-	-	-	-	-
001140	Y	-	-	-	-	-	-	-	-	-	-	-
001141	Y	-	-	-	-	-	-	Y	-	-	-	-
001143	Y	-	-	-	-	-	-	-	-	-	-	-
001144	Y	-	-	-	-	-	-	-	-	-	-	-
001145	Y	-	-	-	-	-	-	-	-	-	-	-
001146	Y	-	-	-	-	-	-	-	-	-	-	-
001147	Y	-	-	-	-	-	-	-	-	-	-	-
001150	-	-	-	-	-	-	-	Y	-	-	-	-
001153	Y	-	-	-	-	-	-	-	-	-	-	-
001155	Y	-	-	-	-	-	-	Y	-	-	-	-
001160	Y	-	-	-	-	-	-	-	-	-	-	-
001163	Y	-	-	-	-	-	-	-	-	-	-	-
001164	Y	-	-	Y	-	-	-	-	-	-	-	-
001166	Y	-	-	-	-	-	-	-	-	-	-	Y
001167	Y	-	-	-	-	-	-	Y	-	-	-	-
001171	Y	-	-	-	-	-	-	-	-	-	-	-
001175	Y	-	-	-	-	-	-	-	-	-	-	-
001176	Y	-	-	-	-	-	-	-	-	-	-	-
001200	Y	Y	Y	Y	-	-	-	-	-	-	-	-
001201	Y	Y	Y	-	-	-	-	-	-	-	-	-
001202	Y	Y	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
001203	Y	Y	Y	-	-	-	-	-	-	-	-	-
001204	Y	Y	-	-	-	-	-	-	-	-	-	-
001205	Y	Y	-	Y	-	-	-	Y	-	-	-	-
001206	Y	Y	-	Y	-	-	-	-	-	-	-	-
001207	Y	Y	-	Y	-	-	-	-	-	-	-	-
001210	Y	Y	-	Y	-	-	-	-	-	-	-	-
001211	Y	Y	-	-	-	-	-	-	-	-	-	-
001212	Y	Y	-	Y	-	-	-	-	-	-	-	-
001213	Y	Y	-	-	-	-	-	-	-	-	-	-
001214	Y	-	-	Y	-	-	-	-	-	-	-	-
001215	Y	Y	-	Y	-	-	-	-	-	-	-	-
001216	Y	-	-	-	-	-	-	Y	-	-	-	-
001217	Y	-	-	-	-	-	-	-	-	-	-	-
001220	Y	-	-	-	-	-	-	-	-	-	-	-
001221	Y	-	-	-	-	-	-	Y	-	-	-	-
001222	Y	-	-	-	-	-	-	-	-	-	-	-
001224	Y	-	-	-	-	-	-	-	-	-	-	-
001225	Y	Y	-	-	-	-	-	-	-	-	-	-
001226	Y	-	-	-	-	-	-	-	-	-	-	-
001227	Y	-	-	-	-	-	-	-	-	-	-	-
001230	Y	-	-	-	-	-	-	-	-	-	-	-
001231	Y	-	-	-	-	-	-	-	-	-	-	-
001233	Y	-	-	-	-	-	-	-	-	-	-	-
001235	Y	-	-	-	Y	-	-	-	-	-	-	-
001236	Y	-	-	-	-	-	-	-	-	-	-	-
001237	Y	-	-	-	-	-	-	Y	-	-	-	-
001241	Y	-	-	-	-	-	-	-	-	-	-	-
001242	Y	-	-	-	-	-	-	-	-	-	-	-
001243	Y	-	-	-	-	-	-	-	-	-	-	-
001244	Y	-	-	-	-	-	-	-	-	-	-	-
001245	Y	-	-	-	-	-	-	-	-	-	-	-
001247	Y	-	-	-	-	-	-	-	-	-	-	-
001250	Y	-	-	-	-	-	-	Y	-	-	-	-
001252	Y	-	-	-	-	-	-	-	-	-	-	-
001253	Y	Y	-	-	-	-	-	-	-	-	-	-
001254	Y	-	-	-	-	-	-	Y	-	-	-	-
001255	Y	-	-	-	-	-	-	-	-	-	-	-
001256	Y	Y	-	Y	-	-	-	Y	-	-	-	-
001257	Y	Y	-	Y	-	-	-	-	-	-	-	-
001260	Y	Y	-	-	-	-	-	-	-	-	-	-
001261	Y	Y	-	Y	-	-	-	-	-	-	-	-
001262	-	Y	-	-	-	-	-	-	-	-	-	-
001263	Y	-	-	-	-	-	-	-	-	-	-	-
001264	Y	Y	-	-	-	-	-	Y	-	-	-	-
001265	Y	Y	-	-	-	-	-	-	-	-	-	-
001266	Y	-	-	-	-	-	-	-	-	-	-	-
001267	Y	-	-	-	-	-	-	-	-	-	-	-
001272	Y	-	-	Y	-	-	-	-	-	-	-	-
001273	Y	-	-	-	-	-	-	-	-	-	-	-
001275	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
001276	Y	-	-	-	-	-	-	-	-	-	-	-
001277	Y	-	-	-	-	-	-	-	-	-	-	-
001302	Y	-	-	-	-	-	-	-	-	-	-	-
001303	Y	-	-	-	-	-	-	-	-	-	-	-
001306	Y	-	-	-	-	-	-	-	-	-	-	-
001307	Y	-	-	-	-	-	-	-	-	-	-	-
001312	Y	-	-	-	-	-	-	-	-	-	-	-
001313	Y	-	-	-	-	-	-	-	-	-	-	-
001316	Y	-	-	-	-	-	-	-	-	-	-	-
001317	Y	-	-	-	-	-	-	-	-	-	-	-
001322	Y	-	-	-	-	-	-	-	-	-	-	-
001323	Y	-	-	-	-	-	-	-	-	-	-	-
001326	-	-	-	-	-	-	-	Y	-	-	-	-
001327	Y	-	-	-	-	-	-	-	-	-	-	-
001332	Y	-	-	-	-	-	-	-	-	-	-	-
001333	Y	-	-	-	-	-	-	-	-	-	-	-
001337	Y	-	-	-	-	-	-	-	-	-	-	-
001366	Y	-	-	-	-	-	-	Y	-	-	-	-
001367	Y	-	-	-	-	-	-	-	-	-	-	-
001372	Y	-	-	-	-	-	-	-	-	-	-	-
001407	Y	-	-	-	-	-	-	-	-	-	-	-
001410	Y	-	-	-	-	-	-	-	-	-	-	-
001426	-	-	-	-	-	-	-	Y	-	-	-	-
001445	Y	-	-	-	-	-	-	-	-	-	-	-
001466	Y	-	-	-	-	-	-	-	-	-	-	-
001467	Y	-	-	-	-	-	-	-	-	-	-	-
001472	Y	-	-	-	-	-	-	-	-	-	-	-
001541	Y	-	-	-	-	-	-	-	-	-	-	-
001660	-	-	-	-	-	-	-	-	-	-	-	Y
001665	Y	-	-	-	-	-	-	-	-	-	-	-
001666	Y	Y	Y	Y	Y	-	-	Y	-	Y	-	Y
001667	Y	Y	Y	Y	Y	Y	-	-	-	-	-	-
001670	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
001702	Y	Y	-	-	Y	-	-	-	-	-	-	-
001703	Y	-	-	-	-	-	-	-	-	-	-	-
001704	Y	-	Y	-	-	-	-	-	-	-	-	-
001707	Y	-	-	Y	-	Y	-	-	-	-	-	-
001710	Y	-	-	-	-	-	-	-	-	-	-	-
001711	Y	-	-	-	-	Y	-	-	-	-	-	-
001712	Y	-	-	-	-	-	Y	-	-	-	-	-
001713	Y	-	-	-	-	-	-	-	-	-	-	-
001714	-	-	-	-	-	-	-	-	-	-	-	-
001716	Y	-	-	-	-	-	-	-	-	-	-	-
001717	Y	-	-	-	-	-	-	-	-	-	-	-
001720	Y	-	-	-	-	-	-	-	-	-	-	-
001721	Y	-	-	-	-	-	-	-	-	-	-	-
001722	Y	-	-	-	-	-	-	-	-	-	-	-
001724	Y	-	-	-	-	-	-	-	-	-	-	-
001725	Y	-	-	-	-	-	-	-	-	-	-	-
001727	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
061731	Y	-	-	-	-	-	-	-	-	-	-	-
001732	Y	-	-	-	-	-	-	-	-	-	-	-
001733	Y	-	-	-	-	-	-	-	-	-	-	-
001734	Y	-	-	-	-	-	-	-	-	-	-	-
001735	Y	-	-	-	-	-	-	-	-	-	-	-
001737	Y	-	-	-	-	-	-	-	-	-	-	-
001740	Y	-	-	-	-	-	-	-	-	-	-	-
001741	Y	-	-	-	-	-	-	-	-	-	-	-
001743	Y	-	-	-	-	-	-	-	-	-	-	-
001744	Y	-	-	-	-	-	-	-	-	-	-	-
001745	Y	-	-	-	-	-	-	-	-	-	-	-
001746	Y	-	-	-	-	-	-	-	-	-	-	-
001747	Y	-	-	-	-	-	-	-	-	-	-	-
001750	Y	-	-	-	-	-	-	-	-	-	-	-
001751	Y	-	-	-	-	-	-	-	-	-	-	-
001752	Y	-	-	-	-	-	-	-	-	-	-	-
001755	Y	-	-	-	-	-	-	-	-	-	-	-
001756	Y	-	-	-	Y	-	-	-	-	-	-	-
001757	Y	-	-	-	-	-	-	-	-	-	-	-
001760	Y	-	-	-	-	-	-	-	-	-	-	-
001762	Y	-	-	-	-	-	-	-	-	-	-	-
001763	Y	-	-	-	-	-	-	-	-	-	-	-
001764	Y	-	-	-	-	-	-	-	-	-	-	-
001765	Y	-	-	-	-	-	-	-	-	-	-	-
001767	Y	-	-	-	-	-	-	-	-	-	-	-
001777	Y	-	-	-	-	-	-	-	-	-	-	-
002000	Y	-	-	-	-	-	-	-	-	-	-	-
002003	-	Y	Y	-	-	-	-	-	-	-	-	-
002005	-	-	-	-	-	-	-	-	-	-	-	Y
002377	Y	-	-	-	-	-	-	-	-	-	-	-
002420	-	Y	Y	-	-	-	-	-	-	-	-	-
003000	-	Y	-	Y	-	-	-	-	-	-	-	-
003010	-	-	-	Y	-	-	-	-	-	-	-	-
003020	-	-	-	Y	-	-	-	-	-	-	-	-
003046	-	-	-	Y	-	-	-	-	-	-	-	-
003776	Y	-	-	-	-	-	-	-	-	-	-	-
003777	Y	-	-	-	-	-	-	-	-	-	-	-
004000	Y	-	-	-	-	-	-	-	-	-	-	-
004041	Y	-	-	-	-	-	-	-	-	-	-	-
004105	Y	-	-	-	-	-	-	-	-	-	-	-
004107	Y	-	-	-	-	-	-	-	-	-	-	-
004420	-	-	-	-	Y	-	-	-	-	-	-	-
005750	-	Y	-	-	-	-	-	-	-	-	-	-
006000	-	-	-	-	-	Y	-	-	-	-	-	-
006752	Y	-	-	-	-	-	-	-	-	-	-	-
010000	Y	-	-	-	-	-	-	-	-	-	-	-
010173	Y	-	-	-	-	-	-	-	-	-	-	-
010176	-	Y	-	-	-	-	-	-	-	-	-	-
010770	-	Y	-	-	-	-	-	-	-	-	-	-
011146	Y	-	-	Y	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
120000	Y	-	-	-	Y	Y	Y	-	-	-	-	-
012010	-	Y	-	-	Y	Y	Y	-	-	-	-	-
012020	-	-	-	-	Y	Y	Y	-	-	-	-	-
012030	Y	Y	-	Y	Y	Y	Y	-	-	-	-	-
012040	-	-	-	-	-	Y	Y	-	-	-	-	-
012050	-	-	-	-	-	Y	Y	-	-	-	-	-
012060	-	-	-	-	Y	Y	Y	-	-	-	-	-
012070	-	-	-	-	Y	Y	-	-	-	-	-	-
012100	-	-	-	-	Y	-	Y	-	-	-	-	-
012110	-	-	-	-	-	Y	Y	-	-	-	-	-
012150	-	-	-	-	Y	Y	Y	-	-	-	-	-
012160	-	-	-	-	Y	-	-	-	-	-	-	-
012210	-	-	-	-	-	Y	-	-	-	-	-	-
012230	-	-	-	-	Y	-	-	-	-	-	-	-
014002	-	-	Y	-	-	-	-	-	-	-	-	-
014041	-	-	-	-	-	-	-	-	-	Y	-	-
016660	-	-	-	-	-	-	-	-	-	-	-	Y
017770	Y	-	-	-	Y	Y	Y	-	-	Y	-	-
020000	Y	-	-	-	-	Y	Y	-	-	-	-	-
020010	-	-	-	-	-	Y	-	-	-	-	-	-
020020	-	-	-	-	Y	Y	Y	-	-	-	-	-
200030	-	-	-	-	Y	-	Y	-	-	-	-	-
020040	-	-	-	-	Y	Y	Y	-	-	-	-	-
020050	-	-	-	-	Y	Y	Y	-	-	-	-	-
020060	-	-	-	-	Y	-	Y	-	-	-	-	-
020070	-	-	-	-	-	-	Y	-	-	-	-	-
020100	-	-	-	-	-	Y	Y	-	-	-	-	-
020110	-	-	-	-	Y	Y	-	-	-	-	-	-
020120	-	-	-	-	-	Y	Y	-	-	-	-	-
020130	-	-	-	-	-	Y	Y	-	-	-	-	-
020150	-	-	-	-	-	Y	-	-	-	-	-	-
020200	Y	-	-	-	-	-	-	-	-	-	-	-
020407	Y	-	-	-	-	-	-	-	-	-	-	-
021620	Y	-	-	-	-	-	-	-	-	-	-	-
021720	Y	-	-	-	-	-	-	-	-	-	-	-
021750	Y	-	-	-	-	-	-	-	-	-	-	-
021770	Y	-	-	-	-	-	-	-	-	-	-	-
022000	Y	-	-	-	-	-	-	-	-	-	-	-
022020	Y	-	-	-	-	-	-	-	-	-	-	-
022030	Y	-	-	-	-	-	-	-	-	-	-	-
022070	Y	-	-	-	-	-	-	-	-	-	-	-
022100	Y	-	-	-	-	-	-	-	-	-	-	-
022120	Y	-	-	-	-	-	-	-	-	-	-	-
024041	Y	-	-	-	-	-	-	-	-	-	-	-
026055	Y	-	-	-	-	-	-	-	-	-	-	-
027770	-	-	-	-	-	Y	Y	-	-	-	-	-
030000	Y	-	-	-	-	-	-	Y	-	-	-	-
030001	Y	-	-	-	-	-	-	-	-	-	-	-
030010	-	-	-	-	-	-	-	Y	-	-	-	-
030020	Y	-	-	-	-	-	-	Y	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | | IOU OFF | | CPU OFF | | | | | | | | |
| DIAGNOSE STATUS | | IOU OFF | | CPU OFF | | | | | | | | |

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
030030	-	-	-	-	-	-	Y	-	-	-	-	-
030040	-	-	-	-	-	-	Y	-	-	-	-	-
030060	-	-	-	-	Y	-	Y	-	-	-	-	-
030070	-	-	-	-	-	-	Y	-	-	-	-	-
030100	-	-	-	-	-	-	Y	-	-	-	-	-
030110	-	-	-	-	-	-	Y	-	-	-	-	-
030150	-	-	-	-	-	-	Y	-	-	-	-	-
033000	Y	-	-	-	-	-	-	-	-	-	-	-
033041	Y	-	-	-	-	-	-	-	-	-	-	-
033105	Y	-	-	-	-	-	-	-	-	-	-	-
034000	Y	-	-	-	-	-	-	-	-	-	-	-
034100	Y	-	-	-	-	-	-	-	-	-	-	-
035102	Y	-	-	-	-	-	-	-	-	-	-	-
037770	Y	-	-	-	-	-	Y	-	-	-	-	-
040000	Y	-	-	-	-	-	-	-	-	-	-	-
040003	Y	Y	-	-	-	-	-	-	-	-	-	-
040030	-	Y	-	-	-	-	-	-	-	-	-	-
040177	-	Y	-	-	-	-	-	-	-	-	-	-
040203	-	Y	-	-	-	-	-	-	-	-	-	-
041000	-	-	Y	-	-	-	-	-	-	-	-	-
041500	-	-	-	Y	-	-	-	-	-	-	-	-
041554	Y	Y	Y	Y	-	Y	-	-	-	-	-	-
042002	Y	-	-	-	-	-	-	-	-	-	-	-
042004	Y	-	-	-	-	-	-	-	-	-	-	-
042036	Y	-	-	-	-	-	-	-	-	-	-	-
042072	-	Y	-	-	-	-	-	-	-	-	-	-
042300	Y	-	-	-	-	-	-	-	-	-	-	-
042377	Y	-	-	-	-	-	-	-	-	-	-	-
042530	Y	-	-	-	-	-	-	-	-	-	-	-
043100	Y	-	-	-	-	-	-	-	-	-	-	-
046171	-	-	-	Y	-	Y	-	-	-	-	-	-
046362	-	-	-	Y	-	-	-	-	-	-	-	-
050001	Y	-	-	-	-	-	-	-	-	-	-	-
050006	Y	-	-	-	-	-	-	-	-	-	-	-
051002	Y	-	-	-	-	-	-	-	-	-	-	-
051004	Y	-	-	-	-	-	-	-	-	-	-	-
053000	Y	-	-	-	-	-	-	-	-	-	-	-
053037	Y	-	-	-	-	-	-	-	-	-	-	-
053043	Y	-	-	-	-	-	-	-	-	-	-	-
053271	-	Y	-	-	-	-	-	-	-	-	-	-
054367	Y	-	-	-	-	-	-	-	-	-	-	-
054734	-	Y	-	-	-	-	-	-	-	-	-	-
057374	Y	-	-	-	-	-	-	-	-	-	-	-
060000	Y	-	-	-	-	-	-	-	-	-	-	-
061000	Y	-	-	-	-	-	-	-	-	-	-	-
061001	Y	-	-	-	-	-	-	-	-	-	-	-
061002	Y	-	-	-	-	-	-	-	-	-	-	-
061461	-	Y	-	-	-	-	-	-	-	-	-	-
061542	Y	Y	-	Y	Y	Y	-	-	-	-	-	-
061572	-	Y	-	-	-	-	-	-	-	-	-	-
061633	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
061664	Y	Y	-	Y	-	-	-	-	-	-	-	-
061747	-	Y	-	-	-	-	-	-	-	-	-	-
063677	-	Y	-	-	-	-	-	-	-	-	-	-
064640	Y	-	-	-	-	-	-	-	-	-	-	-
064041	Y	-	-	-	-	-	-	-	-	-	-	-
064724	Y	-	-	-	-	-	-	-	-	-	-	-
065537	Y	-	-	-	-	-	-	-	-	-	-	-
070000	Y	-	-	-	-	-	-	Y	-	-	-	-
070013	Y	-	-	-	-	-	-	-	-	-	-	-
070714	-	Y	-	-	-	-	-	-	-	-	-	-
071003	Y	-	-	-	-	-	-	-	-	-	-	-
071004	Y	-	-	-	-	-	-	-	-	-	-	-
072091	Y	-	-	-	-	-	-	-	-	-	-	-
072662	Y	-	-	-	-	-	-	-	-	-	-	-
072003	-	Y	-	-	-	-	-	-	-	-	-	-
073000	Y	-	-	-	-	-	-	-	-	-	-	-
073045	Y	-	-	-	-	-	-	-	-	-	-	-
073046	Y	-	-	-	-	-	-	-	-	-	-	-
073057	Y	-	-	-	-	-	-	-	-	-	-	-
074000	Y	-	-	-	-	-	-	-	-	-	-	Y
074001	-	-	-	-	-	-	-	-	-	-	-	Y
074003	Y	-	-	-	-	-	-	-	-	-	-	-
074031	Y	-	-	-	-	-	-	-	-	-	-	-
074040	Y	-	-	-	-	-	-	-	-	-	-	-
074041	Y	-	-	-	-	-	-	-	-	-	-	Y
074102	Y	-	-	-	-	-	-	-	-	-	-	-
074763	-	-	-	Y	-	-	-	-	-	-	-	-
075000	-	Y	-	-	-	-	-	-	-	-	-	-
075135	Y	-	-	-	-	-	-	-	-	-	-	-
076750	-	-	-	Y	-	-	-	-	-	-	-	-
077760	-	Y	-	-	-	-	-	-	-	-	-	-
077770	-	Y	-	-	-	-	-	-	-	-	-	-
100000	Y	-	-	Y	-	-	-	-	-	-	-	-
100010	Y	-	Y	Y	Y	-	-	-	-	-	-	-
106020	Y	-	Y	Y	-	-	-	-	-	-	-	-
106030	-	-	-	Y	-	-	-	-	-	-	-	-
100040	-	-	-	Y	-	-	-	-	-	-	-	-
100050	Y	-	-	Y	-	-	-	-	-	-	-	-
100060	-	-	-	Y	-	-	-	-	-	-	-	-
100070	-	-	-	Y	-	-	-	-	-	-	-	-
100100	-	-	-	Y	-	-	-	-	-	-	-	-
100110	-	-	-	Y	-	-	-	-	-	-	-	-
100120	Y	-	-	Y	-	-	-	-	-	-	-	-
100130	-	-	-	Y	-	-	-	-	-	-	-	-
100140	Y	-	-	-	-	-	-	-	-	-	-	-
100150	Y	-	Y	Y	-	-	-	-	-	-	-	-
100160	Y	-	-	-	-	-	-	-	-	-	-	-
100170	-	-	-	-	-	-	-	-	-	-	-	-
100400	Y	-	-	-	-	-	-	-	-	-	-	-
101770	-	-	Y	-	-	Y	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
103037	Y	-	-	-	-	-	-	-	-	-	-	-
103734	Y	-	-	-	-	-	-	-	-	-	-	-
165051	Y	-	-	-	-	-	-	-	-	-	-	-
110000	Y	Y	-	Y	Y	-	-	-	-	-	-	-
110010	-	-	-	-	Y	-	-	-	-	-	-	-
110020	-	-	-	-	Y	-	-	-	-	-	-	-
110030	-	-	-	-	Y	-	-	-	-	-	-	-
110040	-	-	-	-	Y	-	-	-	-	-	-	-
110050	-	-	-	-	Y	-	-	-	-	-	-	-
110060	-	-	-	-	Y	Y	-	-	-	-	-	-
110070	-	-	-	-	Y	-	-	-	-	-	-	-
110100	-	-	-	-	Y	-	-	-	-	-	-	-
110110	-	-	-	-	Y	-	-	-	-	-	-	-
110120	-	-	-	-	Y	-	-	-	-	-	-	-
110130	-	-	-	-	Y	-	-	-	-	-	-	-
110150	-	-	-	-	Y	-	-	-	-	-	-	-
110170	Y	-	-	-	-	-	-	-	-	-	-	-
111111	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
114035	-	Y	Y	-	-	-	-	-	-	-	-	-
120000	Y	Y	-	Y	-	Y	-	-	-	-	-	-
120010	-	-	-	-	-	Y	-	-	-	-	-	-
120020	-	-	-	-	-	Y	-	-	-	-	-	-
120030	-	-	-	-	-	Y	-	-	-	-	-	-
120040	-	-	-	-	-	Y	-	-	-	-	-	-
120050	-	-	-	-	-	Y	-	-	-	-	-	-
126060	-	-	-	-	-	Y	-	-	-	-	-	-
120070	-	-	-	-	-	Y	-	-	-	-	-	-
120100	-	-	-	-	-	Y	-	-	-	-	-	-
120110	-	-	-	-	-	Y	-	-	-	-	-	-
120120	-	-	-	-	-	Y	-	-	-	-	-	-
120130	-	-	-	-	-	Y	-	-	-	-	-	-
120150	-	-	-	-	-	Y	-	-	-	-	-	-
120320	Y	-	-	-	-	-	-	-	-	-	-	-
130000	Y	-	-	-	-	-	Y	-	-	-	-	-
130010	Y	-	-	-	-	-	Y	-	-	-	-	-
130020	-	-	-	-	-	-	Y	-	-	-	-	-
130030	-	-	-	-	-	-	Y	-	-	-	-	-
130040	-	-	-	-	-	-	Y	-	-	-	-	-
130050	-	-	-	-	-	-	Y	-	-	-	-	-
130060	-	-	-	-	-	-	Y	-	-	-	-	-
130070	-	-	-	-	-	-	Y	-	-	-	-	-
130100	-	-	-	-	-	-	Y	-	-	-	-	-
130110	-	-	-	-	-	-	Y	-	-	-	-	-
130120	-	-	-	-	-	-	Y	-	-	-	-	-
130130	-	-	-	-	-	-	Y	-	-	-	-	-
130150	-	-	-	-	-	-	Y	-	-	-	-	-
141231	Y	-	-	-	-	-	-	-	-	-	-	-
142016	Y	-	-	-	-	-	-	-	-	-	-	-
142077	Y	-	-	-	-	-	-	-	-	-	-	-
143072	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
143231	Y	-	-	-	-	-	-	-	-	-	-	-
154003	Y	-	-	-	-	-	-	-	-	-	-	-
165500	-	Y	-	-	-	-	-	-	-	-	-	-
174045	Y	-	-	-	-	-	-	-	-	-	-	-
175100	Y	-	-	-	-	-	-	-	-	-	-	-
175102	Y	-	-	-	-	-	-	-	-	-	-	-
177100	Y	-	-	-	-	-	-	-	-	-	-	-
177137	Y	-	-	-	-	-	-	-	-	-	-	-
177200	-	Y	-	-	-	-	-	-	-	-	-	-
200000	Y	-	-	-	-	-	-	-	-	-	-	-
200120	Y	-	-	-	-	-	-	-	-	-	-	-
200140	Y	-	-	-	-	-	-	-	-	-	-	-
200150	-	Y	-	-	-	Y	-	-	-	-	-	-
200160	Y	-	-	-	-	-	-	-	-	-	-	-
200630	-	Y	-	-	-	-	-	-	-	-	-	-
210000	-	-	-	-	Y	-	-	-	-	-	-	-
220100	-	-	-	-	-	Y	-	-	-	-	-	-
220500	Y	Y	Y	Y	Y	-	-	-	-	-	-	-
221000	-	-	Y	-	-	-	-	-	-	-	-	-
230000	-	-	-	-	-	-	Y	-	-	-	-	-
241700	-	Y	-	-	-	-	-	-	-	-	-	-
264550	Y	-	Y	-	-	-	-	-	-	-	-	-
264720	-	Y	-	-	-	-	-	-	-	-	-	-
300150	Y	-	-	-	-	-	-	-	-	-	-	-
310170	Y	-	-	-	-	-	-	-	-	-	-	-
315326	Y	-	-	-	-	-	-	-	-	-	-	-
330030	-	-	Y	-	-	-	-	-	-	-	-	-
347001	Y	-	-	-	-	-	-	-	-	-	-	-
364104	Y	-	-	-	-	-	-	-	-	-	-	-
374000	Y	-	-	-	-	-	-	-	-	-	-	-
374045	Y	-	-	-	-	-	-	-	-	-	-	-
374102	Y	-	-	-	-	-	-	-	-	-	-	-
374104	Y	-	-	-	-	-	-	-	-	-	-	-
374134	Y	-	-	-	-	-	-	-	-	-	-	-
375153	Y	-	-	-	-	-	-	-	-	-	-	-
377110	Y	-	-	-	-	-	-	-	-	-	-	-
377112	Y	-	-	-	-	-	-	-	-	-	-	-
400000	Y	Y	Y	-	Y	Y	-	-	-	-	-	-
400100	-	Y	-	-	-	-	-	-	-	-	-	-
400150	-	-	-	Y	-	-	-	-	-	-	-	-
401201	Y	-	-	-	-	-	-	-	-	-	-	-
410000	-	Y	Y	-	-	Y	Y	-	-	-	-	-
410150	-	-	-	-	Y	-	-	-	-	-	-	-
420150	-	-	-	-	-	Y	-	-	-	-	-	-
421001	Y	-	-	-	-	-	-	-	-	-	-	-
421003	Y	-	-	-	-	-	-	-	-	-	-	-
430000	-	-	-	-	Y	-	-	-	-	-	-	-
430150	-	-	-	-	-	-	Y	-	-	-	-	-
431001	Y	-	-	-	-	-	-	-	-	-	-	-
431011	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | | | IOU OFF | | CPU OFF | | | | | | |
| DIAGNOSE STATUS | | | IOU OFF | | CPU OFF | | | | | | |

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0 LHS CS		CNSL-1 LHS CS		MTU
				0	1	2	3	LHS	CS	LHS	CS	
441554	-	-	Y	-	-	-	-	-	-	-	-	-
501700	Y	-	-	-	-	-	Y	-	-	-	-	-
502603	Y	-	-	-	-	-	-	-	-	-	-	-
510000	Y	-	Y	-	Y	Y	-	-	-	-	-	-
510033	Y	-	-	-	-	-	-	-	-	-	-	-
535000	Y	-	-	-	-	-	-	-	-	-	-	-
535005	Y	-	-	-	-	-	-	-	-	-	-	-
537003	Y	-	-	-	-	-	-	-	-	-	-	-
600000	Y	-	-	-	-	-	-	-	-	-	-	-
600100	-	-	-	Y	-	-	-	-	-	-	-	-
601554	-	-	Y	Y	-	-	-	-	-	-	-	-
603020	-	-	-	Y	-	-	-	-	-	-	-	-
631207	Y	-	-	-	-	-	-	-	-	-	-	-
635001	Y	-	-	-	-	-	-	-	-	-	-	-
635007	Y	-	-	-	-	-	-	-	-	-	-	-
635017	Y	-	-	-	-	-	-	-	-	-	-	-
641554	Y	Y	Y	Y	-	-	-	-	-	-	-	-
660025	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
666230	-	-Y	Y	-	-	Y	-	-	-	-	-	-
666233	-	-	Y	-	-	Y	-	-	-	-	-	-
670374	-	Y	-	-	-	-	-	-	-	-	-	-
675000	-	-	Y	-	-	-	-	-	-	-	-	-
700000	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
700000	Y	Y	Y	Y	-	-	-	-	-	-	-	-
700002	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	Y
700003	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	Y
700004	Y	-	-	Y	-	-	Y	-	-	-	-	-
700005	Y	Y	-	-	-	-	-	-	-	-	-	-
700006	Y	Y	-	-	-	-	-	-	-	-	-	-
700007	Y	-	-	-	-	-	-	-	-	-	-	-
700010	Y	Y	-	-	-	-	-	-	-	-	-	-
700011	Y	Y	-	-	-	-	-	-	-	-	-	-
700012	Y	-	-	-	-	-	-	-	-	-	-	-
700013	Y	-	-	-	-	-	Y	-	-	-	-	-
700014	Y	-	-	-	-	-	-	-	-	-	-	-
700015	Y	-	-	-	-	-	-	-	-	-	-	-
700016	Y	-	-	-	-	-	-	-	-	-	-	-
700017	Y	-	-	-	-	-	-	-	-	-	-	-
700020	Y	Y	-	-	-	-	-	-	-	-	-	-
700021	Y	-	-	Y	-	-	-	-	-	-	-	-
700022	Y	Y	-	-	-	-	-	-	-	-	-	-
700023	-	Y	-	-	-	-	-	-	-	-	-	-
700024	Y	-	-	-	-	-	-	-	-	-	-	-
700025	Y	-	-	-	-	-	-	-	-	-	-	-
700026	-	Y	-	-	-	-	-	-	-	-	-	-
700027	Y	Y	-	-	-	-	-	-	-	-	-	-
700030	Y	Y	-	-	-	-	-	-	-	-	-	-
700031	Y	-	-	-	-	-	-	-	-	-	-	-
700032	-	Y	-	-	-	-	-	-	-	-	-	-
700033	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
700035	Y	-	-	-	-	-	-	-	-	-	-	-
700037	Y	-	-	-	-	-	-	-	-	-	-	-
700040	Y	Y	-	Y	-	-	-	-	-	-	-	-
700041	Y	-	-	-	-	-	-	-	-	-	-	-
700043	Y	-	-	-	-	-	-	-	-	-	-	-
700644	-	Y	-	-	-	Y	-	-	-	-	-	-
700045	Y	-	-	-	-	-	-	-	-	-	-	-
700046	-	-	-	-	Y	Y	-	-	-	-	-	-
700047	-	Y	-	-	-	-	-	-	-	-	-	-
700050	-	Y	-	-	-	-	-	-	-	-	-	-
700051	Y	-	-	-	-	-	-	-	-	-	-	-
700053	Y	-	-	-	-	-	-	-	-	-	-	-
700054	Y	-	-	-	-	-	-	-	-	-	-	-
700057	Y	-	-	-	-	-	-	-	-	-	-	-
700060	Y	Y	-	Y	-	-	-	-	-	-	-	-
700061	Y	-	-	-	-	-	-	-	-	-	-	-
700062	Y	-	-	-	-	-	-	-	-	-	-	-
700063	Y	-	-	-	-	-	-	-	-	-	-	-
700064	Y	Y	-	-	-	-	-	-	-	-	-	-
700065	Y	Y	-	-	-	-	-	-	-	-	-	-
700066	Y	Y	-	-	-	-	-	-	-	-	-	-
700067	Y	-	-	-	-	-	-	-	-	-	-	-
700070	Y	-	-	Y	-	-	-	-	-	-	-	-
700071	Y	Y	-	-	-	-	-	-	-	-	-	-
700072	Y	Y	-	-	-	-	-	-	-	-	-	-
700073	Y	-	-	-	-	-	-	-	-	-	-	-
700074	Y	-	-	Y	-	-	-	-	-	-	-	-
700075	Y	Y	-	-	-	-	-	-	-	-	-	-
700076	Y	Y	-	Y	-	-	-	-	-	-	-	-
700077	Y	-	-	-	-	-	-	-	-	-	-	-
701000	Y	Y	-	Y	-	Y	-	-	-	-	-	-
700110	Y	-	-	Y	-	-	-	-	-	-	-	-
700114	Y	-	-	-	-	-	-	-	-	-	-	-
700230	-	-	-	-	-	-	-	-	-	-	-	Y
700400	Y	-	-	-	-	-	-	-	-	-	-	-
700433	-	-	Y	-	-	-	-	-	-	-	-	-
700525	Y	-	-	-	-	-	-	-	-	-	-	-
700770	-	-	-	-	-	-	-	-	-	-	-	Y
702600	-	-	-	-	-	-	-	-	-	-	-	Y
704100	-	Y	-	-	-	-	-	-	-	-	-	-
704203	Y	-	-	-	-	-	-	-	-	-	-	-
710001	-	Y	-	-	-	-	-	-	-	-	-	-
710020	-	Y	-	-	-	-	-	-	-	-	-	-
720000	Y	-	-	-	-	-	-	-	-	-	-	-
731203	Y	-	-	-	-	-	-	-	-	-	-	-
735005	Y	-	-	-	-	-	-	-	-	-	-	-
735015	Y	-	-	-	-	-	-	-	-	-	-	-
736077	Y	-	-	-	-	-	-	-	-	-	-	-
737000	Y	-	-	-	-	-	-	-	-	-	-	-
737003	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
737004	-Y	-	-	-	-	-	-	-	-	-	-	-
740100	-	Y	-	-	-	-	-	-	-	-	-	-
740502	Y	-	-	-	-	-	-	-	-	-	-	-
770002	Y	-	-	-	-	-	-	-	-	-	-	-
770020	-	-	-	-	-	-	-	-	-	-	-	Y
771014	Y	-	-	-	-	-	-	-	-	-	-	-
772404	-	-	-	-	-	-	-	-	-	-	-	Y
774045	Y	-	-	-	-	-	-	-	-	-	-	-
774500	-	-	-	-	-	Y	-	-	-	-	-	-
774501	Y	-	-	-	-	-	-	-	-	-	-	-
774502	-	-	-	Y	-	-	-	-	-	-	-	-
774525	Y	-	-	-	-	-	-	-	-	-	-	-
774544	-	Y	-	-	-	-	-	-	-	-	-	-
774554	-	Y	-	-	-	-	-	-	-	-	-	-
774564	-	Y	-	-	-	-	-	-	-	-	-	-
775200	-	Y	Y	-	-	-	-	-	-	-	-	-
775213	Y	-	-	-	-	-	-	-	-	-	-	-
777003	Y	-	-	-	-	-	-	-	-	-	-	-
777004	-	-	-	-	-	-	-	-	-	-	-	Y
777007	-	-	-	Y	-	-	-	-	-	-	-	-
777010	Y	-	-	-	-	-	-	-	-	-	-	-
777012	Y	-	-	-	-	-	-	-	-	-	-	-
777014	Y	-	-	-	-	-	-	-	-	-	-	-
777200	Y	-	-	-	-	-	-	-	-	-	-	-
777770	-	-	-	-	-	-	-	-	-	-	-	Y
777777	Y	-	-	-	-	-	-	-	-	-	-	Y

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000000	Y	Y	Y	-	Y	Y	Y	-	-	-	-	-
000001	-	-	-	-	-	-	-	-	-	-	-	Y
000003	Y	-	Y	-	Y	-	-	-	-	-	-	-
000004	Y	Y	Y	-	-	-	-	-	-	-	-	-
000005	Y	Y	Y	-	-	-	-	-	-	-	-	-
000006	-	Y	Y	-	-	-	-	-	-	-	-	-
000007	Y	Y	Y	-	-	-	-	Y	-	Y	-	-
000010	Y	Y	Y	-	Y	Y	-	-	-	-	-	-
000011	Y	Y	Y	-	-	-	-	-	-	-	-	-
000012	Y	Y	Y	-	-	-	-	-	-	-	-	-
000014	-	Y	Y	-	-	-	-	-	-	-	-	-
000016	-	-	Y	-	-	-	-	-	-	-	-	-
000017	-	Y	-	-	-	-	-	-	-	-	-	-
000020	Y	Y	-	-	-	-	-	-	-	-	-	-
000031	-	Y	-	-	-	-	-	-	-	-	-	-
000033	Y	Y	Y	-	-	-	-	Y	-	Y	-	-
000037	-	Y	-	-	-	-	-	-	-	-	-	-
000044	-	-	-	-	-	-	-	-	-	-	-	Y
000050	Y	Y	-	-	-	-	-	Y	-	-	-	-
000054	-	Y	-	-	-	-	-	-	-	-	-	-
000057	Y	-	-	-	-	-	-	-	-	-	-	-
000070	Y	-	-	-	-	-	-	-	-	-	-	-
000077	Y	-	-	-	-	-	-	-	-	-	-	-
000111	Y	-	-	-	-	-	-	-	-	-	-	-
000132	-	Y	Y	-	Y	Y	-	-	-	-	-	-
000203	Y	Y	-	-	-	-	-	-	-	-	-	-
000350	Y	Y	Y	-	-	-	-	-	-	-	-	-
000352	Y	Y	-	-	-	-	-	-	-	-	-	-
000442	Y	Y	-	-	-	-	-	-	-	-	-	-
000735	-	Y	-	-	-	-	-	-	-	-	-	-
000754	-	-	Y	-	-	-	-	-	-	-	-	-
000771	Y	-	-	-	-	-	-	-	-	-	-	-
000772	Y	-	-	-	-	-	-	-	-	-	-	-
000773	Y	-	-	-	-	-	-	-	-	-	-	-
000774	Y	-	-	-	-	-	-	-	-	-	-	-
000775	Y	Y	Y	Y	Y	Y	-	-	-	-	-	-
000776	Y	-	-	-	-	-	-	-	-	-	-	-
000777	Y	-	-	-	Y	-	-	-	-	-	-	-
000100	Y	-	Y	-	-	Y	-	-	-	-	-	-
001001	-	Y	-	-	-	-	Y	-	-	-	-	-
001002	Y	Y	-	-	-	-	-	-	-	-	-	-
001003	Y	-	-	Y	-	-	-	-	-	-	-	-
001005	Y	-	-	-	-	-	-	-	-	-	-	-
001006	Y	Y	-	-	-	-	-	-	-	-	-	-
001010	Y	-	-	-	-	-	-	-	-	-	-	-
001011	Y	-	-	-	-	-	-	-	-	-	-	-
001064	-	-	-	-	-	-	-	-	-	-	-	Y
001500	-	-	Y	-	-	-	-	-	-	-	-	-
001670	Y	-	-	-	-	Y	-	-	-	-	-	-
001702	Y	Y	-	-	Y	-	-	-	-	-	-	-
001703	Y	-	-	-	-	-	-	-	-	-	-	-
001705	-	-	-	-	-	Y	-	-	-	-	-	-
001707	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS				IOU OFF				CPU OFF				
DIAGNOSE STATUS				IOU OFF				CPU OFF				

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
001711	-	-	-	-	-	Y	-	-	-	-	-	-
001712	-	-	-	-	-	-	Y	-	-	-	-	-
001713	Y	-	-	-	-	-	-	-	-	-	-	-
001715	Y	-	-	-	-	-	-	-	-	-	-	-
001721	Y	-	-	-	-	-	-	-	-	-	-	-
001753	Y	-	-	-	-	-	-	-	-	-	-	-
001754	Y	-	-	-	-	-	-	-	-	-	-	-
001755	Y	-	-	-	-	-	-	-	-	-	-	-
001764	Y	-	-	-	-	-	-	-	-	-	-	-
001767	Y	-	-	-	-	-	-	-	-	-	-	-
001770	Y	-	-	-	-	-	-	-	-	-	-	-
002000	-	-	-	-	-	-	Y	-	-	-	-	-
002100	-	Y	-	Y	-	-	-	Y	-	Y	-	-
002200	-	-	-	-	-	-	-	-	-	Y	-	-
002420	Y	Y	Y	-	Y	Y	-	Y	-	Y	-	-
003000	-	-	-	-	Y	-	-	-	-	-	-	-
003046	-	-	-	Y	-	-	-	-	-	-	-	-
004000	-	Y	-	-	-	-	-	-	-	-	-	-
004100	-	Y	-	-	-	-	-	-	-	-	-	-
004420	Y	Y	Y	-	-	-	-	-	-	-	-	-
010033	-	-	Y	-	-	-	-	Y	-	Y	-	-
010050	Y	-	-	-	-	-	-	-	-	Y	-	-
010111	Y	-	-	-	-	-	-	-	-	-	-	-
011011	Y	-	-	-	-	-	-	-	-	-	-	-
011111	Y	-	-	-	-	-	-	-	-	-	-	-
012000	-	-	-	-	Y	Y	-	-	-	-	-	-
012040	-	Y	-	-	-	-	-	-	-	-	-	-
012100	-	Y	Y	-	-	-	Y	-	-	Y	-	-
012120	-	Y	-	-	-	-	-	-	-	-	-	-
012200	-	-	-	-	-	-	-	Y	-	Y	-	-
013221	-	-	-	-	-	-	Y	-	-	-	-	-
017770	-	-	-	-	-	Y	-	-	-	-	-	-
020000	-	-	-	-	-	Y	-	-	-	-	-	-
020033	Y	Y	-	-	-	-	-	Y	-	Y	-	-
020040	-	-	-	-	-	-	Y	-	-	-	-	-
022100	-	-	Y	-	-	-	-	-	-	-	-	-
030030	-	-	-	-	-	-	Y	-	-	-	-	-
030033	-	-	-	-	-	-	-	Y	-	Y	-	-
032100	-	Y	Y	-	-	-	-	-	-	-	-	-
040033	-	-	Y	-	-	-	-	Y	-	Y	-	-
040772	-	Y	-	-	-	-	-	-	-	-	-	-
041000	-	-	Y	-	-	-	-	-	-	-	-	-
041500	-	Y	Y	-	-	Y	-	-	-	-	-	-
041554	-	Y	-	-	-	-	-	-	-	-	-	-
042100	-	-	Y	-	-	-	-	-	-	-	-	-
050033	-	-	-	-	-	-	-	Y	-	Y	-	-
052100	-	-	Y	-	-	-	-	-	-	-	-	-
060033	-	Y	Y	-	-	-	-	Y	-	Y	-	-
062100	-	-	Y	-	-	-	-	-	-	-	-	-
065732	-	Y	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
065750	-	Y	-	-	-	-	-	-	-	-	-	-
066777	-	Y	-	-	-	-	-	-	-	-	-	-
760033	-	-	Y	-	-	-	-	Y	-	Y	-	-
072100	-	-	Y	-	-	-	-	-	-	-	-	-
074004	Y	-	-	-	-	-	-	-	-	-	-	-
074020	Y	-	-	-	-	-	-	-	-	-	-	-
074004	Y	Y	-	-	-	-	-	-	-	-	-	-
074100	-	Y	Y	-	-	-	-	-	-	-	-	-
101111	Y	-	-	-	-	-	-	-	-	-	-	-
101133	Y	-	-	-	-	-	-	-	-	-	-	-
102040	-	-	-	-	-	-	-	Y	-	-	-	-
103001	Y	-	-	-	-	-	-	-	-	-	-	-
105000	-	Y	-	-	-	-	-	-	-	-	-	-
105001	Y	-	-	-	-	-	-	-	-	-	-	-
110000	-	-	-	-	Y	-	-	-	-	-	-	-
110033	Y	-	-	-	-	-	-	-	-	-	-	-
110111	Y	-	-	-	-	-	-	-	-	-	-	-
111011	Y	Y	Y	-	-	-	-	-	-	-	-	-
111101	Y	Y	Y	-	-	-	-	-	-	-	-	-
111111	Y	-	Y	-	-	-	-	-	-	-	-	-
111113	Y	-	-	-	-	-	-	-	-	-	-	-
111115	Y	-	-	-	-	-	-	-	-	-	-	-
111131	Y	-	-	-	-	-	-	-	-	-	-	-
111151	Y	-	-	-	-	-	-	-	-	-	-	-
113111	Y	-	-	-	-	-	-	-	-	-	-	-
115111	Y	-	-	-	-	-	-	-	-	-	-	-
111511	Y	-	-	-	-	-	-	-	-	-	-	-
111573	-	-	Y	-	-	-	-	-	-	-	-	-
112040	-	-	-	-	-	-	-	-	-	Y	-	-
113111	Y	-	-	-	-	-	-	-	-	-	-	-
115111	Y	-	-	-	-	-	-	-	-	-	-	-
120000	-	-	-	-	-	Y	-	-	-	-	-	-
125500	-	-	-	Y	-	-	Y	-	-	-	-	-
130000	-	-	-	-	-	-	Y	-	-	-	-	-
131111	Y	-	-	-	-	-	-	-	-	-	-	-
151111	Y	-	-	-	-	-	-	-	-	-	-	-
165500	-	Y	Y	Y	Y	Y	Y	-	-	-	-	-
174004	Y	-	-	-	-	-	-	-	-	-	-	-
174030	Y	Y	-	-	-	-	-	-	-	-	-	-
174040	-	Y	-	-	-	-	-	-	-	-	-	-
200020	-	Y	-	-	-	-	-	-	-	-	-	-
220500	-	Y	Y	Y	Y	Y	Y	-	-	-	-	-
220501	-	-	Y	-	Y	-	-	-	-	-	-	-
220710	-	-	-	-	Y	-	-	-	-	-	-	-
221660	-	Y	Y	-	Y	-	-	-	-	-	-	-
241700	-	-	-	Y	-	-	-	-	-	-	-	-
260500	Y	-	-	-	-	Y	-	-	-	-	-	-
264550	-	-	Y	-	-	-	-	-	-	-	-	-
264560	-	Y	-	-	-	-	-	-	-	-	-	-
274040	-	Y	-	-	-	-	-	-	-	-	-	-
311111	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
314000	-	-	Y	-	-	-	-	-	-	-	-	-
320243	Y	-	-	-	-	-	-	-	-	-	-	-
320427	-	-	-	-	-	Y	-	-	-	-	-	-
374040	-	Y	-	-	-	-	-	-	-	-	-	-
377777	Y	-	-	-	-	-	-	-	-	-	-	-
400000	Y	Y	Y	Y	Y	Y	-	-	-	-	-	-
400400	Y	-	-	-	-	-	-	-	-	-	-	-
400433	Y	-	-	-	-	-	-	-	-	-	-	-
402064	-	Y	-	-	-	-	-	-	-	-	-	-
404500	Y	-	-	-	-	-	-	-	-	-	-	-
410000	-	Y	-	-	Y	Y	-	-	-	-	-	-
474040	-	Y	-	-	-	-	-	-	-	-	-	-
500450	Y	-	-	-	-	-	-	-	-	-	-	-
501700	-	Y	Y	-	-	Y	-	-	-	-	-	-
510000	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
510020	-	-	-	-	Y	-	-	-	-	-	-	-
510004	Y	Y	Y	Y	-	-	-	-	-	-	-	-
510005	Y	Y	Y	-	-	-	-	-	-	-	-	-
510006	-	Y	Y	-	-	-	-	-	-	-	-	-
510007	-	Y	Y	-	-	-	-	-	-	-	-	-
510001	Y	Y	Y	Y	-	-	-	-	-	-	-	-
510011	-	Y	Y	-	-	-	-	-	-	-	-	-
510012	Y	Y	Y	-	-	-	-	-	-	-	-	-
510013	-	-	Y	-	-	-	-	-	-	-	-	-
510014	-	-	Y	-	-	-	-	-	-	-	-	-
510017	-	Y	-	-	Y	-	-	-	-	-	-	-
510000	-	Y	Y	Y	-	Y	Y	-	-	-	-	-
510021	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
510023	Y	-	-	-	-	-	-	-	-	-	-	-
510033	Y	Y	Y	-	-	-	-	-	-	-	-	-
510037	Y	-	-	-	-	-	-	-	-	-	-	-
510044	Y	-	-	-	-	-	-	-	-	-	-	-
510050	Y	Y	Y	-	-	-	-	-	-	-	-	-
511000	-	Y	-	-	-	-	-	-	-	-	-	-
511001	Y	-	-	-	-	-	-	-	-	-	-	-
511111	Y	-	-	-	-	-	-	-	-	-	-	-
511224	-	-	-	-	-	-	Y	-	-	-	-	-
511604	-	-	-	-	-	Y	-	-	-	-	-	-
514021	Y	-	-	-	-	-	-	-	-	-	-	-
514033	Y	-	-	-	-	-	-	-	-	-	-	-
534537	Y	-	-	-	-	-	-	-	-	-	-	-
577777	Y	-	-	-	-	-	-	-	-	-	-	-
600000	Y	-	-	-	-	-	-	-	-	-	-	-
602214	-	Y	-	-	-	-	-	-	-	-	-	-
602310	-	Y	-	-	-	-	-	-	-	-	-	-
602314	-	Y	-	-	-	-	-	-	-	-	-	-
640000	-	Y	Y	Y	Y	Y	-	-	-	-	-	-
641554	-	Y	Y	Y	Y	Y	-	-	-	-	-	-
660025	-	-	Y	-	Y	-	-	-	-	-	-	-
666230	-	-	Y	Y	-	-	Y	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CNSL-0 CS	CNSL-1 LHS	CNSL-1 CS	MTU
666233	-	Y	Y	-	Y	Y	-	-	-	-	-	-
675000	-	-	Y	Y	-	-	-	-	-	-	-	-
677777	Y	-	-	-	-	-	-	-	-	-	-	-
700000	Y	Y	Y	Y	Y	Y	-	-	-	-	-	-
700001	Y	-	-	-	-	-	-	-	-	-	-	-
700002	Y	Y	Y	Y	Y	Y	-	-	-	-	-	-
700003	Y	Y	Y	Y	Y	Y	-	-	-	-	-	-
700004	Y	-	-	-	-	-	-	-	-	-	-	-
700007	Y	-	-	-	-	-	-	-	-	-	-	-
700011	-	Y	Y	-	-	-	-	-	-	-	-	-
700015	Y	-	-	-	-	-	-	-	-	-	-	-
700020	Y	-	-	-	-	-	-	-	-	-	-	-
700021	Y	-	-	-	-	-	-	-	-	-	-	-
700023	Y	-	-	-	-	-	-	-	-	-	-	-
700024	-	Y	-	-	-	-	-	-	-	-	-	-
700026	Y	-	-	-	-	-	-	-	-	-	-	-
700041	Y	-	-	-	-	-	-	-	-	-	-	-
700100	Y	-	-	-	-	-	-	-	-	-	-	-
700200	Y	-	-	-	-	-	-	-	-	-	-	-
700433	Y	-	-	-	-	-	-	-	-	-	-	-
701000	Y	-	-	-	-	-	-	-	-	-	-	-
702600	-	-	-	-	-	-	-	-	-	Y	-	-
710000	Y	-	-	-	-	-	-	-	-	-	-	-
710003	Y	-	-	-	-	-	-	-	-	-	-	-
710017	Y	-	-	-	-	-	-	-	-	-	-	-
710021	Y	-	-	-	-	-	-	-	-	-	-	-
710033	Y	-	-	-	-	-	-	-	-	-	-	-
717070	Y	-	-	-	-	-	-	-	-	-	-	-
737510	-	Y	-	-	-	-	-	-	-	-	-	-
737777	Y	-	-	-	-	-	-	-	-	-	-	-
740220	-	Y	Y	-	Y	-	-	-	-	-	-	-
757777	Y	-	-	-	-	-	-	-	-	-	-	-
767777	Y	-	-	-	-	-	-	-	-	-	-	-
770503	-	-	Y	-	-	-	-	-	-	-	-	-
772040	-	Y	Y	-	-	-	-	-	-	-	-	-
773777	Y	-	-	-	-	-	-	-	-	-	-	-
774500	-	-	Y	Y	-	-	-	-	-	-	-	-
774512	Y	-	-	-	-	-	-	-	-	-	-	-
774573	-	-	-	Y	-	-	-	-	-	-	-	-
775777	Y	-	-	-	-	-	-	-	-	-	-	-
776067	Y	-	-	-	-	-	-	-	-	-	-	-
776777	Y	-	-	-	-	-	-	-	-	-	-	-
777000	Y	-	-	-	-	-	-	-	-	-	-	-
777377	Y	Y	Y	-	-	-	-	-	-	-	-	-
777577	Y	Y	Y	-	-	-	-	-	-	-	-	-
777677	Y	Y	Y	-	-	-	-	-	-	-	-	-
777737	Y	Y	Y	-	-	-	-	-	-	-	-	-
777757	Y	Y	Y	-	-	-	-	-	-	-	-	-
777767	Y	Y	Y	-	-	-	-	-	-	-	-	-
777770	-	-	-	-	-	-	-	-	-	Y	-	-
777773	Y	-	-	-	-	-	-	-	-	-	-	-
777775	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
777776	Y	-	-	-	-	-	-	-	-	-	-	-
777777	-	-	-	-	-	-	-	-	-	-	-	Y

Change 4 2-30

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000000	Y	-	-	-	-	-	-	-	-	-	-	-
000003	-	Y	-	-	-	-	-	-	-	-	-	-
000044	Y	-	-	-	-	-	-	-	-	-	-	-
000407	-	Y	-	-	-	-	-	-	-	-	-	-
000775	-	-	-	-	-	-	Y	-	-	-	-	-
001001	-	Y	-	-	-	-	-	-	-	-	-	-
001003	Y	Y	-	-	-	-	-	-	-	-	-	-
001007	Y	Y	-	-	-	-	-	-	-	-	-	-
001016	Y	-	-	-	-	-	-	-	-	-	-	-
001017	Y	Y	Y	-	-	-	-	-	-	-	-	-
001024	Y	-	-	-	-	-	-	-	-	-	-	-
003046	-	-	-	Y	-	-	-	-	-	-	-	-
111111	Y	-	-	-	-	-	-	-	-	-	-	-
700000	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
700002	-	-	-	Y	-	-	-	-	-	-	-	-
700003	-	-	-	-	Y	-	Y	-	-	-	-	-
700033	Y	-	-	-	-	-	-	-	-	-	-	-
777777	Y	-	-	-	-	-	-	-	-	-	-	-

Change 4 2-31

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000001	Y	-	-	-	-	-	Y	-	-	-	-	-
000002	-	-	-	-	-	-	Y	-	-	-	-	-
000003	-	-	-	-	-	-	Y	-	Y	-	-	-
000004	-	-	-	-	-	-	Y	-	-	-	-	-
000005	-	-	-	-	-	-	Y	Y	-	-	-	-
000007	-	-	-	-	-	-	Y	-	-	-	-	-
000010	-	-	-	-	-	-	Y	Y	-	-	-	-
000012	-	-	-	-	-	-	Y	-	-	-	-	-
000014	-	-	-	-	-	-	Y	-	-	-	-	-
000016	-	-	-	-	-	-	Y	-	-	-	-	-
000017	Y	-	Y	-	-	-	Y	Y	Y	-	-	-
000052	-	Y	-	-	-	-	-	-	-	-	-	-
000322	-	-	-	-	-	-	Y	-	-	-	-	-
000474	Y	-	-	-	-	-	-	-	-	-	-	-
000522	-	-	-	-	-	-	Y	-	-	-	-	-
000770	-	Y	-	-	-	-	-	-	-	-	-	-
001001	-	Y	-	-	-	-	-	-	-	-	-	-
001003	-	Y	-	-	-	-	-	-	-	-	-	-
001017	-	Y	-	-	-	-	-	Y	-	-	-	-
001022	-	-	-	-	-	-	Y	Y	-	-	-	-
001023	-	-	-	-	-	-	Y	-	-	-	-	-
001666	Y	-	-	-	-	-	-	-	-	-	-	-
001670	Y	-	-	-	-	-	-	-	-	-	-	-
005101	Y	-	-	-	-	-	-	-	-	-	-	-
005203	Y	-	-	-	-	-	-	-	-	-	-	-
010001	-	-	-	-	-	-	-	Y	-	-	-	-
010002	-	-	-	-	-	-	-	Y	-	-	-	-
010003	-	-	-	-	-	-	-	Y	-	-	-	-
010004	-	-	-	-	-	-	-	Y	-	-	-	-
010005	-	-	-	-	-	-	-	Y	-	-	-	-
010007	-	-	-	-	-	-	-	Y	Y	-	-	-
010010	-	-	-	-	-	-	-	Y	Y	-	-	-
010012	-	-	-	-	-	-	-	Y	-	-	-	-
010013	-	-	-	-	-	-	-	Y	-	-	-	-
010014	-	-	-	-	-	-	-	Y	-	-	-	-
010017	-	-	Y	-	-	-	-	Y	Y	-	-	-
010322	-	-	-	-	-	Y	-	-	-	-	-	-
010722	-	-	-	-	-	Y	-	-	-	-	-	-
011017	-	-	-	-	-	Y	-	-	-	-	-	-
011022	-	-	-	-	-	Y	-	Y	-	-	-	-
011023	-	-	-	-	-	-	-	Y	-	-	-	-
015022	Y	-	-	-	-	-	-	-	-	-	-	-
020017	-	Y	-	-	-	-	-	-	-	-	-	-
020050	-	-	-	-	Y	-	-	-	-	-	-	-
030017	-	Y	-	-	-	-	-	-	-	-	-	-
034203	Y	-	-	-	-	-	-	-	-	-	-	-
035203	Y	-	-	-	-	-	-	-	-	-	-	-
040017	-	Y	-	-	-	-	-	-	-	-	-	-
050017	-	Y	-	-	-	-	-	-	-	-	-	-
053777	-	Y	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
061461	-	Y	-	-	-	-	-	-	-	-	-	-
100017	Y	Y	-	-	-	-	-	Y	-	Y	-	-
100107	-	-	-	-	-	-	-	-	-	Y	-	-
100117	-	Y	Y	-	-	-	-	Y	-	Y	-	-
100217	-	-	-	-	-	-	-	Y	-	Y	-	-
100317	-	-	-	-	-	-	-	Y	-	-	-	-
100322	-	-	Y	-	-	-	-	-	-	-	-	-
100417	-	-	-	-	-	-	-	Y	Y	Y	-	-
100517	-	-	-	-	-	-	-	Y	-	Y	-	-
160601	-	-	Y	-	-	-	-	-	-	-	-	-
100617	-	-	Y	-	-	-	-	Y	-	Y	-	-
100717	-	-	Y	-	-	-	-	Y	-	Y	-	-
101001	-	-	Y	-	-	-	-	-	-	-	-	-
101002	-	Y	Y	-	-	-	-	-	-	-	-	-
101004	-	-	Y	-	-	-	-	-	-	-	-	-
101007	-	-	Y	-	-	-	-	-	-	-	-	-
101010	-	-	Y	-	-	-	-	-	-	-	-	-
101016	-	-	Y	-	-	-	-	-	-	-	-	-
101017	Y	Y	Y	-	-	-	-	Y	Y	Y	Y	Y
101022	-	Y	Y	-	-	-	-	Y	-	Y	-	-
101023	-	Y	-	-	-	-	-	-	-	-	-	-
111011	Y	-	-	-	-	-	-	-	-	-	-	-
111111	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
113224	-	-	Y	-	-	-	-	-	-	-	-	-
130000	-	-	-	-	-	-	Y	-	-	-	-	-
147777	-	-	Y	-	-	-	-	-	-	-	-	-
200000	-	-	Y	-	-	-	-	-	-	-	-	-
220500	Y	Y	Y	Y	Y	-	-	-	-	-	-	-
400000	-	-	Y	-	-	-	-	-	-	-	-	-
505022	Y	-	-	-	-	-	-	-	-	-	-	-
510000	-	-	Y	Y	Y	-	Y	-	-	-	-	-
510021	-	-	Y	-	-	-	-	-	-	-	-	-
510033	Y	-	-	-	-	-	-	-	-	-	-	-
510550	-	-	Y	-	-	-	-	-	-	-	-	-
511224	-	-	Y	Y	-	-	-	-	-	-	-	-
511225	-	-	Y	-	-	-	-	-	-	-	-	-
640000	-	-	-	-	Y	-	-	-	-	-	-	-
666233	-	-	-	-	-	Y	-	-	-	-	-	-
700000	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-
700002	-	Y	Y	-	-	-	Y	-	-	-	-	-
700003	Y	-	-	Y	Y	-	-	-	-	-	-	-
700603	Y	-	-	-	-	-	-	-	-	-	-	-
740603	Y	-	-	-	-	-	-	-	-	-	-	-
760603	Y	-	-	-	-	-	-	-	-	-	-	-
770603	Y	-	-	-	-	-	-	-	-	-	-	-
777003	Y	-	-	-	-	-	-	-	-	-	-	-
777201	Y	-	-	-	-	-	-	-	-	-	-	-
777777	Y	Y	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000000	Y	-	-	-	-	-	-	-	-	-	-	Y
000001	Y	Y	-	Y	Y	Y	Y	-	-	-	-	Y
000002	Y	-	-	-	-	-	-	-	-	-	-	-
000003	Y	-	-	Y	-	-	-	-	-	-	-	-
000005	-	-	-	Y	-	-	-	-	-	-	-	-
000006	Y	-	-	-	-	-	-	-	-	-	-	-
000011	Y	-	-	Y	-	-	-	-	-	-	-	-
000013	Y	-	-	-	-	-	-	-	-	-	-	-
000016	Y	-	-	-	-	-	-	-	-	-	-	-
000032	Y	-	-	-	-	-	-	-	-	-	-	-
000037	Y	-	-	-	-	-	-	-	-	-	-	-
000053	Y	-	-	-	-	-	-	-	-	-	-	-
000054	Y	-	-	-	-	-	-	-	-	-	-	-
000055	Y	-	-	-	-	-	-	-	-	-	-	-
000101	Y	-	-	-	-	-	-	-	-	-	-	-
000103	-	-	-	Y	-	-	-	-	-	-	-	-
000105	Y	-	-	Y	-	-	-	-	-	-	-	-
000107	Y	-	-	-	-	-	-	-	-	-	-	-
000175	-	Y	-	-	-	-	-	-	-	-	-	-
000203	Y	-	-	-	-	-	-	-	-	-	-	-
000405	Y	-	-	-	-	-	-	-	-	-	-	-
000477	Y	-	-	-	-	-	-	-	-	-	-	-
000501	Y	-	-	-	-	-	-	-	-	-	-	-
000502	Y	-	-	-	-	-	-	-	-	-	-	-
000561	Y	-	-	-	-	-	-	-	-	-	-	-
000603	Y	-	-	Y	Y	Y	Y	-	-	-	-	-
000633	-	Y	-	-	-	-	-	-	-	-	-	-
000735	-	Y	-	-	-	-	-	-	-	-	-	-
000763	Y	-	-	-	-	-	-	-	-	-	-	-
000765	Y	-	-	Y	-	-	-	-	-	-	-	-
0B0771	Y	-	-	-	-	-	-	-	-	-	-	-
000775	Y	Y	-	Y	-	-	-	-	-	-	-	-
000777	-	Y	-	-	-	-	-	-	-	-	-	-
001002	Y	-	-	-	-	-	-	-	-	-	-	-
001035	Y	-	-	-	-	-	-	-	-	-	-	-
001061	Y	-	-	-	-	-	-	-	-	-	-	-
001101	Y	-	-	-	-	-	-	-	-	-	-	-
001203	Y	-	-	-	-	-	-	-	-	-	-	-
001205	-	Y	-	-	-	-	-	-	-	-	-	-
001211	-	Y	-	-	-	-	-	-	-	-	-	-
001257	Y	-	-	-	-	-	-	-	-	-	-	-
002051	-	-	-	Y	-	-	-	-	-	-	-	-
603017	Y	-	-	-	-	-	-	-	-	-	-	-
003203	Y	-	-	-	-	-	-	-	-	-	-	-
003603	Y	-	-	-	-	-	-	-	-	-	-	-
004101	Y	-	-	-	-	-	-	-	-	-	-	-
004105	Y	-	-	-	-	-	-	-	-	-	-	-
004107	Y	-	-	-	-	-	-	-	-	-	-	-
004203	Y	-	-	-	-	-	-	-	-	-	-	-
004501	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
085101	Y	-	-	-	-	-	-	-	-	-	-	-
005203	Y	Y	Y	-	-	-	-	-	-	-	-	-
007203	Y	-	-	-	-	-	-	-	-	-	-	-
010181	Y	-	-	-	-	-	-	-	-	-	-	-
014101	Y	-	-	-	-	-	-	-	-	-	-	-
014203	Y	-	-	-	-	-	-	-	-	-	-	-
014303	Y	-	-	-	-	-	-	-	-	-	-	-
015101	Y	-	-	-	-	-	-	-	-	-	-	-
015203	Y	-	-	-	-	-	-	-	-	-	-	-
016203	Y	-	-	-	-	-	-	-	-	-	-	-
017203	Y	-	-	-	-	-	-	-	-	-	-	-
021203	Y	-	-	-	-	-	-	-	-	-	-	-
024203	Y	-	-	-	-	-	-	-	-	-	-	-
034101	Y	-	-	-	-	-	-	-	-	-	-	-
034203	Y	-	-	-	-	-	-	-	-	-	-	-
034303	Y	-	-	-	-	-	-	-	-	-	-	-
035101	y	-	-	-	-	-	-	-	-	-	-	-
035203	Y	-	-	-	-	-	-	-	-	-	-	-
035303	Y	-	-	-	-	-	-	-	-	-	-	-
036101	Y	-	-	-	-	-	-	-	-	-	-	-
036203	Y	-	-	-	-	-	-	-	-	-	-	-
037101	Y	-	-	-	-	-	-	-	-	-	-	-
037203	Y	-	-	-	-	-	-	-	-	-	-	-
040001	Y	Y	-	-	-	-	-	-	-	-	-	-
054101	Y	-	-	-	-	-	-	-	-	-	-	-
054203	Y	-	-	-	-	-	-	-	-	-	-	-
060203	Y	-	-	-	-	-	-	-	-	-	-	-
064101	Y	-	-	-	-	-	-	-	-	-	-	-
064203	Y	-	-	-	-	-	-	-	-	-	-	-
070101	Y	-	-	-	-	-	-	-	-	-	-	-
070203	Y	-	-	-	-	-	-	-	-	-	-	-
070501	Y	-	-	-	-	-	-	-	-	-	-	-
072001	-	Y	-	-	-	-	-	-	-	-	-	-
074071	-	-	-	-	-	-	-	-	-	-	-	Y
074101	Y	-	-	-	-	-	-	-	-	-	-	-
074203	Y	-	-	-	-	-	-	-	-	-	-	-
075101	Y	-	-	-	-	-	-	-	-	-	-	-
075201	Y	-	-	-	-	-	-	-	-	-	-	-
075203	Y	-	-	-	-	-	-	-	-	-	-	-
076101	Y	-	-	-	-	-	-	-	-	-	-	-
076203	Y	-	-	-	-	-	-	-	-	-	-	-
077101	Y	-	-	-	-	-	-	-	-	-	-	-
077203	Y	-	-	-	-	-	-	-	-	-	-	-
100771	-	-	-	Y	-	-	-	-	-	-	-	-
115203	Y	-	-	-	-	-	-	-	-	-	-	-
117203	Y	-	-	-	-	-	-	-	-	-	-	-
137003	Y	-	-	-	-	-	-	-	-	-	-	-
137203	Y	-	-	-	-	-	-	-	-	-	-	-
147203	Y	-	-	-	-	-	-	-	-	-	-	-
163203	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0 LHS CS		CNSL-1 LHS CS		MTU
				0	1	2	3	LHS	CS	LHS	CS	
167203	Y	-	-	-	-	-	-	-	-	-	-	-
174101	Y	-	-	-	-	-	-	-	-	-	-	-
174203	Y	-	-	Y	Y	Y	Y	-	-	-	-	-
175101	Y	-	-	-	-	-	-	-	-	-	-	-
175203	Y	-	-	-	-	-	-	-	-	-	-	-
175501	Y	-	-	-	-	-	-	-	-	-	-	-
176203	Y	-	-	-	-	-	-	-	-	-	-	-
177003	Y	-	-	-	-	-	-	-	-	-	-	-
177101	Y	-	-	-	-	-	-	-	-	-	-	-
177103	Y	-	-	-	-	-	-	-	-	-	-	-
177203	Y	Y	-	-	-	-	-	-	-	-	-	-
177303	Y	-	-	-	-	-	-	-	-	-	-	-
215203	Y	-	-	-	-	-	-	-	-	-	-	-
234203	Y	-	-	-	-	-	-	-	-	-	-	-
275203	Y	-	-	-	-	-	-	-	-	-	-	-
277101	Y	-	-	-	-	-	-	-	-	-	-	-
317203	Y	-	-	-	-	-	-	-	-	-	-	-
344203	Y	-	-	-	-	-	-	-	-	-	-	-
347203	Y	-	-	-	-	-	-	-	-	-	-	-
363203	Y	-	-	-	-	-	-	-	-	-	-	-
364101	Y	-	-	-	-	-	-	-	-	-	-	-
364203	Y	-	-	-	-	-	-	-	-	-	-	-
367003	Y	-	-	-	-	-	-	-	-	-	-	-
373203	Y	-	-	-	-	-	-	-	-	-	-	-
374101	Y	-	-	-	-	-	-	-	-	-	-	-
374103	Y	-	-	-	-	-	-	-	-	-	-	-
374203	Y	-	-	-	-	-	-	-	-	-	-	-
375101	Y	-	-	-	-	-	-	-	-	-	-	-
375203	Y	-	-	-	-	-	-	-	-	-	-	-
376203	Y	-	-	-	-	-	-	-	-	-	-	-
377003	Y	-	-	-	-	-	-	-	-	-	-	-
377101	Y	-	-	-	-	-	-	-	-	-	-	-
377203	Y	-	-	-	-	-	-	-	-	-	-	-
400501	Y	-	-	-	-	-	-	-	-	-	-	-
400603	Y	-	-	-	-	-	-	-	-	-	-	-
401603	Y	-	-	-	-	-	-	-	-	-	-	-
403603	Y	-	-	-	-	-	-	-	-	-	-	-
405101	Y	-	-	-	-	-	-	-	-	-	-	-
437203	Y	-	-	-	-	-	-	-	-	-	-	-
560603	Y	-	-	-	-	-	-	-	-	-	-	-
577003	Y	-	-	-	-	-	-	-	-	-	-	-
600041	-	-	-	Y	-	-	-	-	-	-	-	-
600203	Y	-	-	-	-	-	-	-	-	-	-	-
600501	Y	-	-	-	-	-	-	-	-	-	-	-
603603	Y	-	-	-	-	-	-	-	-	-	-	-
605603	Y	-	-	-	-	-	-	-	-	-	-	-
620501	Y	-	-	-	-	-	-	-	-	-	-	-
637203	Y	-	-	-	-	-	-	-	-	-	-	-
637603	Y	-	-	-	-	-	-	-	-	-	-	-
660603	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS			IOU OFF		CPU OFF							
DIAGNOSE STATUS			IOU OFF		CPU OFF							

ERROR STOP				32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		
NUMBER	CPU	IOU	BUFFER	0	1	2	3	LHS	CS	LHS	CS	MTU
676203	Y	-	-	-	-	-	-	-	-	-	-	-
700000	Y	-	-	-	-	-	-	-	-	-	-	-
700001	Y	Y	-	-	-	-	-	-	-	-	-	-
780002	-	-	-	-	-	-	-	-	-	-	-	-
700003	Y	Y	-	-	-	-	-	-	-	-	-	-
700007	Y	-	-	-	-	-	-	-	-	-	-	-
700011	Y	Y	-	-	-	-	-	-	-	-	-	-
700013	-	Y	-	-	-	-	-	-	-	-	-	-
700015	Y	-	-	-	-	-	-	-	-	-	-	-
700021	Y	Y	-	-	-	-	-	-	-	-	-	-
700027	Y	-	-	-	-	-	-	-	-	-	-	-
700033	Y	-	-	-	-	-	-	-	-	-	-	-
700037	Y	-	-	-	-	-	-	-	-	-	-	-
700041	-	Y	-	-	-	-	-	-	-	-	-	-
700043	-	-	-	-	-	-	-	-	-	-	-	-
700051	-	Y	-	-	-	-	-	-	-	-	-	-
700057	Y	Y	-	-	-	-	-	-	-	-	-	-
700061	Y	-	-	-	-	-	-	-	-	-	-	-
700073	Y	-	-	-	-	-	-	-	-	-	-	-
700077	Y	-	-	-	-	-	-	-	-	-	-	-
700501	Y	-	-	-	-	-	-	-	-	-	-	-
700603	Y	-	-	-	-	-	-	-	-	-	-	-
701100	-	-	-	-	-	-	-	-	-	-	-	-
701501	Y	-	-	-	-	-	-	-	-	-	-	-
701603	Y	-	-	-	-	-	-	-	-	-	-	-
737603	Y	-	-	-	-	-	-	-	-	-	-	-
740001	-	Y	-	-	-	-	-	-	-	-	-	-
740501	Y	-	-	-	-	-	-	-	-	-	-	-
740603	Y	-	-	-	-	-	-	-	-	-	-	-
743501	Y	-	-	-	-	-	-	-	-	-	-	-
743603	Y	-	-	-	-	-	-	-	-	-	-	-
757201	Y	-	-	-	-	-	-	-	-	-	-	-
760501	-	-	-	-	-	-	-	-	-	-	-	-
760601	Y	-	-	-	-	-	-	-	-	-	-	-
760603	Y	-	-	-	-	-	-	-	-	-	-	-
770001	Y	-	-	-	-	-	-	-	-	-	-	-
770501	Y	Y	-	-	-	-	-	-	-	-	-	-
770603	Y	-	-	-	-	-	-	-	-	-	-	-
774101	Y	-	-	-	-	-	-	-	-	-	-	-
774203	Y	-	-	-	-	-	-	-	-	-	-	-
774501	Y	Y	-	-	-	-	-	-	-	-	-	-
774502	-	-	-	-	-	-	-	-	-	-	-	-
774513	-	-	-	-	-	-	-	-	-	-	-	-
775003	Y	-	-	-	-	-	-	-	-	-	-	-
775203	Y	-	-	-	-	-	-	-	-	-	-	-
776001	Y	-	-	-	-	-	-	-	-	-	-	-
776003	Y	-	-	-	-	-	-	-	-	-	-	-
776203	Y	-	-	-	-	-	-	-	-	-	-	-
777001	-	-	-	-	-	-	-	-	-	-	-	-
777003	Y	Y	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MIRTRIX-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
777007	Y	-	-	-	-	-	-	-	-	-	-	-
777013	Y	Y	-	-	-	-	-	-	-	-	-	-
777017	Y	-	-	-	-	-	-	-	-	-	-	-
777023	Y	Y	-	-	-	-	-	-	-	-	-	-
777033	-	Y	-	-	-	-	-	-	-	-	-	-
777037	-	-	-	-	-	-	-	-	-	-	-	Y
777043	Y	Y	-	-	-	-	-	-	-	-	-	-
777063	Y	-	-	-	-	-	-	-	-	-	-	-
777101	Y	-	-	-	-	-	-	-	-	-	-	-
777103	Y	Y	-	-	-	-	-	-	-	-	-	-
777143	-	Y	-	-	-	-	-	-	-	-	-	-
777177	-	-	-	-	-	-	-	-	-	-	-	Y
777201	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	Y
777203	Y	Y	-	-	-	-	-	-	-	-	-	-
777343	-	Y	-	-	-	-	-	-	-	-	-	-
777363	-	Y	-	-	-	-	-	-	-	-	-	-
777403	Y	Y	-	-	-	-	-	-	-	-	-	-
777501	Y	-	-	-	-	-	-	-	-	-	-	-
77753	-	Y	-	-	-	-	-	-	-	-	-	-
77761	Y	-	-	-	-	-	-	-	-	-	-	-
777603	Y	Y	-	-	-	-	-	-	-	-	-	-
777773	Y	-	-	-	-	-	-	-	-	-	-	-
777777	-	-	-	-	-	-	-	-	-	-	-	Y

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS　　IOU OFF　　CPU OFF
DIAGNOSE STATUS　　　　IOU OFF　　CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000021	-	Y	-	-	-	-	-	-	-	-	-	-
001001	Y	-	-	-	-	-	-	-	-	-	-	-
0011	Y	-	-	-	-	-	-	-	-	-	-	-
078033	Y	-	-	-	-	-	-	-	-	-	-	-
100111	Y	-	-	-	-	-	-	-	-	-	-	-
111110	Y	-	-	-	-	-	-	-	-	-	-	-
111111	Y	-	-	-	-	-	-	-	-	-	-	-
366053	-	-	-	-	-	-	-	-	-	Y	-	-
377101	Y	-	-	-	-	-	-	-	-	-	-	-
51008832	Y	-	-	-	-	-	-	-	-	-	-	-
700001	Y	-	-	-	-	-	-	-	-	-	-	-
700062	Y	-	-	-	-	-	-	-	-	-	-	-
78888003	Y	-	-	-	-	-	-	-	-	-	-	-
777201	-	Y	-	-	-	-	-	-	-	-	-	-
777777	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

| PROGRAM LOAD STATUS | | | IOU OFF | CPU OFF | | | | | | | | |
| DIAGNOSE STATUS | | | IOU OFF | CPU OFF | | | | | | | | |

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
777281	-	Y	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

| PROGRAM LOAD STATUS | | IOU OFF | | CPU OFF | | | | | | | | |
| DIAGNOSE STATUS | | IOU OFF | | CPU OFF | | | | | | | | |

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
8888000007	Y	-	-	-	-	-	-	-	-	-	-	-
075201	Y	-	-	-	-	-	-	-	-	-	-	-
177203	Y	-	-	-	-	-	-	-	-	-	-	-
767201	Y	-	-	-	-	-	-	-	-	-	-	-
773887	Y	-	-	-	-	-	-	-	-	-	-	-
774501	Y	-	-	-	-	-	-	-	-	-	-	-
777201	Y	-	-	-	-	-	-	-	-	-	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
00000	Y	-	Y	-	-	-	-	-	-	-	-	-
000464	Y	-	-	-	-	-	-	-	-	-	-	-
001003	Y	-	-	-	-	-	-	-	-	-	-	-
001006	Y	-	-	-	-	-	-	-	-	-	-	-
001062	-	-	Y	-	-	-	-	-	-	-	-	-
001214	Y	-	-	-	-	-	-	-	-	-	-	-
543725	-	-	-	-	-	-	-	-	-	Y	-	-
700002	Y	-	-	-	-	-	-	-	-	-	-	-
700100	Y	-	-	-	-	-	-	-	-	-	-	-
751743	-	-	-	-	-	-	-	-	-	Y	-	-
761304	-	-	-	-	-	-	-	-	-	Y	-	-
777777	-	-	-	-	-	-	-	-	-	-	-	Y

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0 LHS CS		CNSL-1 LHS CS		MTU
				0	1	2	3	LHS	CS	LHS	CS	
004202	-	-	-	-	-	-	-	-	-	Y	-	-
111111	Y	-	-	-	-	-	-	-	-	-	-	-
700800 88	Y	-	-	-	-	-	-	-	-	-	-	-
777777	-	-	Y	-	-	-	-	-	-	-	-	Y

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS		IOU OFF		CPU OFF								
DIAGNOSE STATUS		IOU OFF		CPU OFF								

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS	CS	CNSL-1 LHS	CS	MTU
600084	-	-	-	-	-	-	-	-	-	Y	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

| PROGRAM LOAD STATUS | | IOU OFF | | CPU OFF | | | | | | | | |
| DIAGNOSE STATUS | | IOU OFF | | CPU OFF | | | | | | | | |

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000044	-	-	-	Y	-	-	-	-	-	-	-	-
000055	-	-	-	Y	-	-	-	-	-	-	-	-
000132	-	-	-	Y	-	-	-	-	-	-	-	-
017207	Y	-	-	-	-	-	-	-	-	-	-	-
036277	Y	-	-	-	-	-	-	-	-	-	-	-
037207	Y	-	-	-	-	-	-	-	-	-	-	-
075203	Y	-	-	-	-	-	-	-	-	-	-	-
177207	Y	-	-	-	-	-	-	-	-	-	-	-
740000	-	-	-	-	-	-	-	-	-	Y	-	-
775207	Y	-	-	-	-	-	-	-	-	-	-	-
775277	-	Y	-	-	-	-	-	-	-	-	-	-
777003	-	Y	-	-	-	-	-	-	-	-	-	Y
777007	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	Y
777017	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	Y
777037		Y	Y	Y	Y	Y	Y	-	-	-	-	Y
777047	-	Y	-	-	-	-	-	-	-	-	-	-
777057	-	Y	-	-	-	-	-	-	-	-	-	-
777077	-	Y	-	-	-	-	-	-	-	-	-	-
777117	-	-	-	-	-	-	-	-	-	-	-	Y
777137	-	Y	-	-	-	-	-	-	-	-	-	-
777147	-	Y	-	-	-	-	-	-	-	-	-	-
777177	-	Y	Y	-	-	-	-	-	-	-	-	Y
777201	Y	-	-	Y	-	-	-	-	-	-	-	-
777207	Y	Y	-	-	-	-	-	-	-	-	-	-
777227	-	Y	-	-	-	-	-	-	-	-	-	-
777257	-	Y	-	-	-	-	-	-	-	-	-	-
777275	-	Y	-	-	-	-	-	-	-	-	-	-
777347	-	Y	-	-	-	-	-	-	-	-	-	-
777357	-	Y	-	-	-	-	-	-	-	-	-	-
777367	-	Y	-	-	-	-	-	-	-	-	-	-
777377	-	Y	-	-	-	-	-	-	-	-	-	-
777607	-	Y	-	-	-	-	-	-	-	-	-	-
777637	-	Y	-	-	-	-	-	-	-	-	-	-
777703	Y	-	-	-	-	-	-	-	-	-	-	Y
777717	-	Y	-	-	-	-	-	-	-	-	-	-
777737	-	Y	-	-	-	-	-	-	-	-	-	-
777747	-	Y	-	-	-	-	-	-	-	-	-	-
777757	-	Y	-	-	-	-	-	-	-	-	-	-
777767	-	Y	-	-	-	-	-	-	-	-	-	-
777777	Y	Y	Y	-	-	-	-	Y	-	Y	-	Y

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS 0	1	2	3	CNSL-0 LHS CS	CNSL-1 LHS CS	MTU
037207	Y	-	-	-	-	-	-	- -	- -	-
77527	Y	-	-	-	-	-	-	- -	- -	-
777777	-	Y	-	-	Y	-	-	- -	- -	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS			IOU OFF		CPU OFF								
DIAGNOSE STATUS			IOU OFF		CPU OFF								

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
743700	-	-	-	-	-	-	-	-	-	Y	-	-
77540088	-	-	-	-	-	-	-	-	-	Y	-	-

TABLE 2-1. ADP ERROR STOP LOCATION MATRIX-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP NUMBER	CPU	IOU	BUFFER	32K—MEMORY—ADDRESS				CNSL-0		CNSL-1		MTU
				0	1	2	3	LHS	CS	LHS	CS	
000000	Y	Y	-	-	-	-	-	-	-	-	-	-
777777	-	Y	Y	Y	Y	Y	Y	-	-	Y	-	-

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TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
000000   J1226     J1229     J1235     J1339     J1410     J1417     J1425     J1512  -  J1513
         J1515  -  J1516     J1525  -  J1526     J1528  -  J1529  -  J1530     J1533  -  J1534
         J1539     J1549     J2103     J2111     J2113  -  J2114     J2116  -  J2117     J2120  -
         J2121     J2123     J2125     J2127     J2203     J2208  -  J2209     J2227     12230
         J2304     J2308     J2310  -  J2311     J2312     J2314  -  J2315  -  J2316     J2323
         J2330  -  J2331  -  J2332     J2337  -  J2338     J2339  -  J2340     J2342     J2419
         J2422     J2435     J2439     J2443     J2447  -  J2448     J2502     J2505  -  J2506
         J2531  -  J2532     J2534     J2536

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1209     J1215     J1220     J2318     J2334  -  J2335

000001   J1140     J1229  -  J1238     J1419     J1509     J2107  -  J2108  -  J2109     J2111
         J2113     J2115  -  J2116     J2122  -  J2123     J2125  -  J2126  -  J2127     J2206
         J2330     J2332
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2336

000002   J1228     J1241  -  J1242  -  J1243     J1330     J1509     J1514     J1518     J1519
         J1523     J1528     J2105     J2108  -  J2109     J2111     J2116     J2120  -  J2121  -
         J2122  -  J2123  -  J2124  -  J2125  -  J2126  -  J2127  -  J2128  -  J2129     J2202
         J2227     J2229  -  J2230  -  J2231     J2233  -  J2234     J2237     J2239  -  J2240  -
         J2241     J2244  -  J2245  -  J2246     J2301     J2304  -  J2305  -  J2306     J2308
         J2325  -  J2326     J2330     J2332     J2407     J2416  -  J2417  -  J2418     J2420  -
         J2421  -  J2422  -  J2423     J2425  -  J2426  -  J2427  -  J2428  -  J2429     J2431
         J2435  -  J2436  -  J2437  -  J2438  -  J2439  -  J2440  -  J2441  -  J2442  -  J2443  -
         J2444  -  J2445  -  J2446  -  J2447     J2510     J2527     J2545  -  J2546

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1234     J2336     J2413

000003   J1213     J1226     J1231     J1236  -  J1237  -  J1238     J1320     J1323     J1325
      -  J1326     J1330     J1333     J1340  -  J1341     J1408     J1410     J1415  -  J1416
         J1418     J1420     J1423     J1425  -  J1426  -  J1427  -  J1428  -  J1429     J1431  -
         J1432     J1433  -  J1434     J1436     J1515  -  J1516  -  J1517  -  J1518  -  J1519
         J1521     J1525  -  J1526     J1528     J1529  -  J1530  -  J1531     J1533  -  J1534  -
         J1535  -  J1536     J1538  -  J1539  -  J1540     J1542     J1547     J2120     J2122
         J2125     J2127     J2202     J2216     J2224     J2227     J2229  -  J2230     J2232  -
         J2233     J2235  -  J2236  -  J2237  -  J2238  -  J2239  -  J2240     J2242     J2244  -
         J2245  -  J2246     J2301     J2306  -  J2307     J2311     J2312     J2316  -  J2317
         J2325  -  J2326     J2401     J2402     J2404     J2406     J2407     J2419  -  J2420
      -  J2421     J2425     J2427  -  J2428     J2429  -  J2430  -  J2431     J2435     J2440
         J2505     J2534  -  J2535     J2540  -  J2541  -  J2542     J2544  -  J2545  -  J2546  -
         J2547  -  J2548

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1444     J2136
000004   J1325     J1338     J1410  -  J1411  -  J1412  -  J1413     J1416     J1418  -  J1419
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
        J1425  -  J1426    J1431  -  J1432  -  J1433    J1435  -  J1436    J1585  -  J1506
        J1519     J1521    J1525  -  J1526     J1528  -  J1529  -  J1530  -  J1531    J1536  -
        J1537     J1540    J2107     J2109     J2116     J2122  -  J2123     J2125     J2127  -
        J2128     J2204  -  J2205    J2213     J2216  -  J2217  -  J2218     J2228     J2223
        J2225     J2301    J2306     J2331  -  J2332     J2418     J2420     J2422  -  J2423  -
        J2424  -  J2425  -  J2426    J2428     J2431     J2437     J2512  -  J2513     J2530
        J2532     J2534  -  J2535    J2542  -  J2543  -  J2544  -  J2545  -  J2546  -  J2547

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1444     J2336

000005  J1236     J1242    J1415     J1529     J2123     J2125  -  J2126  -  J2127     J2227
        J2305     J2417  -  J2418    J2420     J2421     J2424     J2426  -  J2427  -  J2428
        J2431     J2437    J2441     J2541     J2543  -  J2544    J2546

000006  J1236     J1241  -  J1242  -  J1243    J1325     J1420     J1426     J1428  -  J1429
        J1432     J1435    J2120     J2122  -  J2123     J2125     J2127     J2129     J2437

000007  J1236     J1241    J1515     J1546     J2125

000010  J1236     J1241    J1528     J2109     J2110     J2111     J2115  -  J2116     J2125
        J2127     J2331

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2335  -  J2336

000011  J1236     J1241    J1417     J1418     J2125     J2127     J2128

000012  J1236     J1241    J1325     J1415     J2120     J2123     J2125     J2127     J2419

000013  J1236     J1241    J1544

000014  J1236     J1241    J1330     J1415     J2126  -  J2127     J2221

000015  J1236     J1241    J2125     J2223

000016  J1236     J1241  -  J1242  -  J1243    J1338     J1416     J1529     J2122  -  J2123
        J2125     J2419    J2544

000017  J1236     J1241    J1416     J2125

000020  J1237     J1241    J1548     J2109     J2111     J2117     J2120     J2125  -  J2126
     -  J2127     J2331

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2335  -  J2336

000021  J1237     J1241    J1425     J2127
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

STOP	CONNECTORS								
000022	J1237	J1241	J2127	J2421					
000023	J1237	J1241	J1325	J1415 -	J1416	J1506	J1548	J2125	
000024	J1237	J1241	J1416	J1506	J2123	J2125			
000025	J1237 J2440	J1241 J2440	J1416	J1506	J1550 -	J1551	J2120	J2241	J2244
000026	J1237	J1242 -	J1243	J1526					
000027	J1237	J1242	J1415 -	J1416	J1505	J2423			
000030	J1237	J1242	J2123	J2125 -	J2126				
000031	J1237	J1242	J1326	J1408	J1416	J1546			
000032	J1237	J1242	J1326	J1408	J1416	J2122	J2125		
000033	J1238	J1242	J1325	J1330	J1416				
000034	J1238	J1242	J1341	J1415					
000035	J1238	J1242	J1325	J1341	J1407	J1415	J1418	J1544	J2127
000036	J1238	J1242 -	J1243	J1544	J2127				
000037	J1238 J2232	J1242	J1340 -	J1341	J1413	J1416	J1420	J2223	J2227
00040	J1238 J2125	J1242 J2128	J1341 J2331	J1407	J1418	J1420	J2109	J2113	J2117

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2335 - J2336

STOP	CONNECTORS								
080041	J1238	J1242	J1325	J1341	J1544	J2419	J2510		
000042	J1238	J1242	J1325	J1341	J1416	J1544	J2126		
000043	J1238	J1242	J1325	J1340 -	J1341	J1415			
000044	J1340	J1406	J1415 -	J1416	J1418	J2120	J2431		

000045   J1112   J1141 - J1142   J1147 - J1148 - J1149   J1325 - J1326   J1339
          J1341   J1415 - J1416 - J1417 - J1418   J1434   J1515 - J1516 - J1517 -
          J1518 - J1519   J1534 - J1535 - J1536   J1538   J1544   J1546 - J1547 -
          J1548   J1551   J2120   J2123   J2206   J2211   J2227   J2229 - J2230 -
          J2231   J2235 - J2236 - J2237   J2239   J2241   J2247 - J2248   J2304 -
          J2305   J2307   J2310 - J2311   J2313 - J2314 - J2315 - J2316   J2325

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
        J2337  -  J2338     J2342     J2407     J2415  -  J2416  -  J2417  -  J2418     J2420  -
        J2421  -  J2422  -  J2423  -  J2424  -  J2425  -  J2426  -  J2427  -  J2428     J2430  -
        J2431     J2436  -  J2437  -  J2438  -  J2439     J2442  -  J2443     J2447     J2534  -
        J2535     J2538  -  J2539     J2542  -  J2543  -  J2544  -  J2545  -  J2546  -  J2547

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2433

000046  J1511     J1514  -  J1515     J1519     J2104     J2120     J2125     J2126     J2229
        J2232     J2234     J2326     J2420     J2422     J2426

008047  J1111     J1129     J1515     J1519     J1535  -  J1536     J2125     J2129     J2325

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1404

000050  J1144     J1151     J1325     J1413     J1415     J1515     J1519     J1528     J1535
        J2419     J2124     J2326     J2342     J2419     J2421     J2435     J2437  -  J2438
        J2440  -  J2441

000051  J1141  -  J1142     J1148  -  J1149     J1214     J1216     J1325     J1330     J1340
        J1415  -  J1416  -  J1417     J1530     J1534     J1535     J1537     J1546     J1548
        J2123     J2125     J2128     J2227     J2231     J2235     J2401     J2407     J2423
        J2430

000052  J1111     J1112     J1115     J1140     J1144     J1210     J1213     J1330     J1411
        J1510     J1536     J1543  -  J1544     J1546     J1548     J1550     J2115     J2122
        J2526

000053  J1407     J1515     J1519     J2122     J2125     J2202     J2301     J2315     J2421

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1404

000054  J1326     J1417  -  J1418     J1528     J1551     J2120     J2122  -  J2123     J2125
     -  J2126     J2223     J2229     J2223     J2420  -  J2421     J2430     J2440     J2445  -
        J2446     J2448     J2534  -  J2535     J2538     J2540     J2547

000055  J1330     J1414  -  J1415     J1417     J1419     J1422     J1442  -  J1443     J1445
        J1447  -  J1448     J1449     J1451     J1528     J1535     J1543     J1551     J2112
        J2120     J2122  -  J2123     J2125     J2133     J2430  -  J2431  -  J2432     J2435
        J2437     J2440     J2445

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1343

000056  J1150     J1414  -  J1415     J1437  -  J1438     J1440  -  J1441  -  J1442  -  J1443
        J1445  -  J1446  -  J1447     J1449  -  J1450  -  J1451     J1543     J1551     J2121
        J2127     J2421     J2444     J2445     J2446
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1343

STOP									
000057	J1437 -	J1438	J1440 -	J1441 -	J1442 -	J1443	J1445 -	J1446	J1450
	- J1451	J1515	J1543	J2112	J2133	J2344	J2430	- J2431	
000060	J1150	J1414 -	J1415	J1437 -	J1438	J1440 -	J1441 -	J1442 -	J1443
	J1445 -	J1446 -	J1447 -	J1448	J1451	J1543	J1551	J2124	J2126
000061	J1424	J1443	J1446 -	J1447 -	J1448 -	J1449 -	J1450 -	J1451	J1543
	J2125	J2227	J2411	J2432					

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1343

STOP									
000062	J1445	J1451	J1543	J2123	J2432				
000063	J1547	J1210	J2120	J2344					
000064	J1150	J1414 -	J1415	J1437 -	J1438	J1440 -	J1441 -	J1442 -	J1443
	J1445 -	J1446	J1449	J1451	J1515	J1543	J2121	J2124	J2224
000065	J1415	J1442	J1451	J1543	J2125				
000066	J2540								
000070	J1437 -	J1438	J1440 -	J1441 -	J1442 -	J1443	J1445 -	J1446	J1450
	- J1451								
000072	J1543	J2124	J2128	J2430					
000073	J1418	J2314							
000074	J1340	J1544	J2125						
000075	J1518	J1226							
000076	J1144	J2121	J2126	J2338					
000077	J1422	J2123	J2436						
000100	J1418	J1514	J2109	J2111	J2116	J2126	J2332	J2421	J2444
	J2445	J2446							

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2335 - J2336

STOP				
000101	J1543	J2123	J2127	
000102	J1325	J1415	J2125	J2127

TABLE 2-2. CPU FAULT LOCATION

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

000103   J1427   J1515   J2121

000105   J1427   J2121   J2123   J2126

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J2433

000106   J1326

000107   J2122   J2125   J2127   J2419

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J2433

000110   J1326   J1330   J2131

000111   J1144   J1418   J2121   J2127 - J2128   J2421

000112   J1111   J1330   J1419   J1437 - J1438   J1440 - J1441 - J1442 - J1443
            J1445   J1446   J1449   J1451   J1528 - J1529   J1531   J1534   J1536 -
            J1537   J1543   J1549   J2127   J2231   J2236   J2238   J2241   J2244
            J2421   J2430   J2435 - J2436   J2437 - J2438   J2441 - J2442   J2445
            J2447 - J2448   J2534   J2540 - J2541   J2543 - J2544

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1343

000113   J1116   J1437 - J1438   J1440 - J1441 - J1442 - J1443   J1445 - J1446
            J1450 - J1451   J1548   J2125   J2127   J2442   J2445

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1343

000114   J1423   J2125   J2128   J2445   J2448

000115   J1437 - J1438   J1440 - J1441 - J1442 - J1443   J1445 - J1446   J1448
            J1451

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1343

000117   J2123   J2125

000121   J1437 - J1438   J1440 - J1441 - J1442 - J1443   J1445 - J1446   J1449
            J1451   J1543   J2445   J2448   J2544

000123   J1144

000126   J1424   J1543   J2430

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

000130   J1415   J1530   J1534   J2120   J2342   J2417 - J2418   J2420 - J2421 -
          J2422 - J2423 - J2424   J2426 - J2427   J2440 - J2441   J2447   J2543
          J2545

000131   J1216   J1415 - J1417   J1419   J1424 - J1425   J1515 - J1516 - J1517
          J1527 - J1528 - J1529 - J1530   J1536   J1540   J1544 - J1545 - J1546
          J1548   J1550 - J1551   J2325   J2411   J2416 - J2417   J2419 - J2420
          J2423   J2425   J2428   J2430 - J2431   J2437 - J2438   J2440 - J2441
          J2445   J2530

000132   J1340 - J1341   J1423 - J1424 - J1425   J1435   J1531   J1545   J1548
          J1549 - J1550   J1551   J2120 - J2121   J2124 - J2125 - J2126 - J2127
          J2202   J2205   J2210   J2212 - J2213   J2222 - J2223   J2231   J2421
          J2438 - J2439   J2441   J2448   J2508   J2515   J2530   J2543   J2545
          J2548

000133   J1341   J1405 - J1406   J1408 - JI409   J1411 - J1412   J1413   J1415 -
          J1416 - J1417 - J1418   J1419 - J1420   J1425   J1429   J1433 - J1434 -
          J1435   J1510   J1512 - J1513 - J1514 - J1515 - J1516 - J1517 - J1518 -
          J1519 - J1520 - J1521 - J1522 - J1523 - J1524 - J1525 - J1526 - J1528 -
          J1529   J1531   J1533 - J1534 - J1535 - J1536 - J1537   J1539 - J1540 -
          J2341   J2341   J2344   J2417   J2421   J2423   J2426 - J2427   J2430
          J2444   J2530   J2534   J2537 - J2538 - J2539 - J2540   J2543 - J2544 -
          J2545 - J2546   J2548

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1404   J1430   J2336

000134   J1406 - J1407   J1411 - J1412 - J1413   J1418   J1425   J1512 - J1513
        - J1514 - J1515 - J1516 - J1517 - J1518 - J1519   J1529   J1536   J1544
          J2523   J2528   J2534   J2541   J2544   J2547

0000135   J2420   J2534 - J2535 - J2536   J2538

000136   J1214   J1216   J1223 - J1224 - J1225   J1227   J1231   J1235   J1322
          J1332   J1412   J1414 - J1415 - J1416 - J1417   J1419   J1515 - J1516
        - J1517 - J1518   J1519   J2124   J2232 - J2233 - J2234   J2237   J2247
        - J2248   J2304   J2407   J2417   J2422 - J2423 - J2424 - J2425   J2439
          J2536   J2539

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215   J1217 - J1218 - J1219 - J1220 - J1221

000137   J1113   J1210   J1214   J1216   J1223 - J1224 - J1225 - J1226   J1231
          J1238   J1244   J1322   J1332   J1350   J2231 - J2232   J2234   J2237
          J2247   J2341

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215   J1217 - J1218 - J1219 - J1220 - J1221

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

| 000140 | J1223 | - | J1224 | | J1244 | | J1316 | | J1322 | | J1324 | | J1326 | | J1511 | | J1515 | |
| | J2422 | | | | | | | | | | | | | | | | | |

000141	J1328		J1338		J1340		J1417		J1425		J1437	-	J1438		J1440	-	J1441	-
	J1442	-	J1443		J1445	-	J1446	-	J1447	-	J1448		J1451		J1547		J1549	-
	J1550	-	J1551		J2123		J2127		J2417	-	J2418		J2421	-	J2422	-	J2423	-
	J2424	-	J2425		J2428		J2435	-	J2436	-	J2437	-	J2438	-	J2439	-	J2440	-
	J2441		J2448		J2544	-	J2545											

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
  J1343   J2433

000142	J1111		J1328		J1340		J1437	-	J1438		J1440	-	J1441	-	J1442	-	J1443	
	J1445	-	1446		J1544	-	J1545	-	J1546	-	J1547		J2415		J2421		J2444	
	J2544																	

| 000143 | J1451 | | J1549 | - | J1550 | | J2123 | | J2428 | | J2437 | | J2441 | | J2448 | | | |

| 000144 | J1338 | | J2227 | | J2418 | | J2544 | | | | | | | | | | | |

| 000145 | J1326 | | J2539 | | J2544 | - | J2545 | | | | | | | | | | | |

| 000146 | J1325 | - | J1326 | | | | | | | | | | | | | | | |

| 000147 | J1413 | | J1419 | | J2437 | | J2546 | | | | | | | | | | | |

| 000150 | J1112 | | J2104 | | J2125 | | J2210 | | J2227 | | J2306 | | J2340 | | | | | |

000151	J1528	-	J1529		J2123		J2126		J2231		J2242		J2245	-	J2246		J2416	
	J2420	-	J2421		J2429		J2435	-	J2436		J2438		J2441		J2447		J2536	-
	J2537																	

| 000152 | J1130 | | J1140 | - | J1141 | - | J1142 | | J1144 | | J1149 | | J1211 | | J1235 | | J1528 | |
| | J2121 | | J2246 | | J2311 | | | | | | | | | | | | | |

| 000153 | J2123 | | J2217 | | J2227 | | J2309 | | J2311 | | J2314 | | J2316 | - | J2317 | | J2340 | |
| | J2418 | | J2421 | | J2424 | | J2427 | | J2510 | | J2537 | | | | | | | |

| 000154 | J1422 | | J2121 | | J2126 | - | J2127 | | J2301 | | J2416 | | J2425 | | J2428 | | | |

| 000155 | J2126 | | J2217 | | J2416 | - | J2417 | - | J2418 | | J2420 | | J2426 | | J2428 | | J2441 | |
| | J2532 | | J2542 | | | | | | | | | | | | | | | |

000156	J1130		J1136		J1140	-	J1141	-	J1142		J1144	-	J1145		J2135		J2227	
	J2232		J2234	-	J2235	-	J2236	-	J2237	-	J2238		J2240	-	J2241		J2243	-
	J2244	-	J2245		J2246		J2306	-	J2307	-	J2308		J2310	-	J2311		J2314	
	J2325	-	J2326		J2404		J2416		J2420	-	J2421	-	J2422	-	J2423		J2428	-
	J2429		J2431	-	J2432		J2436		J2437		J2443	-	J2444	-	J2445	-	J2446	

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

SUBSTITUTETHE FOLLOWING CARD ASSEMBLIES:
    J1135

STOP	CONNECTORS							
000157	J1141 -	J1142 -	J1143 -	J1144	J2244	J2326	J2432	J2544
000160	J1140 -	J1141	J1144	J2326	J2432			
000161	J1141	J1144						
000162	J31141 -	J1142 -	J1143 -	J1144	J2326	J2432		
000163	J1144	J2121						
000164	J1144	J1339						
000165	J1144							
000166	J1141	J1144	J2326	J2431				
000167	J1144	J1526	J2121	J2125				
000171	J2125							
000172	J1141	J1144	J2121	J2314				
000173	J1144	J1326	J1339	J1517	J2124 -	J2125	J2128	
000176	J1132	J1140 -	J1141 -	J1142 -	J1143 -	J1144	J1235	
000177	J1141 -	J1142 -	J1143 -	J1144				
000200	J1141 -	J1142 -	J1143 -	J1144	J1528	J2109	J2113	J2116	J2332

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2335 - J2336

STOP	CONNECTORS			
000201	J1143 -	j1144		
000202	J1141 -	J1142 -	J1143 -	J1144	J2416
000203	J1143 -	J1144		
000204	J1143 -	J1144		
000205	J1143 -	J1144		
000206	J1141 -	J1142 -	J1143 -	J1144	J1243
000207	J1144	J1148	J2416	

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

000210   J1144   J1148

000211   J1144   J1148   J1243

000212   J1144   J1149   J2406

000213   J1144   J1149

006214   J1144   J1149   J2127

000216   J1111 - J1112 - J1113 - J1114 - J1115 - J1116   J1129   J1210   J1212
        - J1213   J1317 - J1318 - J1319 - J1320   J1416   J1419   J2124   J2226 -
        J2227   J2230 - J2231 - J2232 - J2233 - J2234   J2238 - J2239   J2242
        J2244   J2248   J2310   J2401 - J2402   J2406   J2415 - J2416 - J2417 -
        J2418   J2420 - J2421 - J2422 - J2423 - J2424 - J2425 - J2426 - J2427 -
        J2428   J2431   J2435- - J2436   J2438 - J2439   J2441 - J2442   J2444 -
        J2445 - J2446   J2532   J2534 - J2535 - J2536 - J2537 - J2538 - J2539 -
        J2540 - J2541 - J2542 - J2543   J2545 - J2546

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1121

000217   J1111   J1144   J1319 - J1320   J2416   J2420   J2425   J2428

000220   J1111   J1319   J1520

000221   J1319   J1521   J2420

000222   J1112   J1317   J1319   J2416   J2425

000223   J1319

000224   J1319   J2410

000225   J1319   31421

000226   J1317   J1330   J2125   J2543

000227   J1111 - J1112   J1210   J1317   J1339

000230   J1317

000231   J1317   J1528

000232   J1317   J2126

000233   J1317   J1338   J1423   J2436

000234   J1112   J1317   J1340   J2126

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

STOP	CONNECTORS									
000235	J1317	J1338								
000236	J1144	J1227	J2126	J2233	J2417 -	J2418	J2420	J2422	J2425	
	- J2426									
000237	J2422									
000240	J1417									
000242	J1422									
000243	J1425									
000246	J1423									
000250	J1516									
000263	J1516									
000276	J2227	J2232 -	J2233	J2244	J2247					
000316	J2233	J2237	32418	J2420 -	J2421 -	J2422 -	J2423 -	J2424 -	J2427	
	- J2428	J2436	J2439							
000317	J2244	J2423	J2427							
000320	J2126	J2421								
000321	J2125	J2127	J2416 -	J2417 -	J2418	J2421 -	J2422 -	J2423	J2427	
	- J2428	J2438								
000325	J1531	J1533	J1546	J2121	J2123	J2125	J2227	J2232 -	J2233	
	J2240 -	J2241 -	J2242 -	J2244	J2317	J2340 -	J2341	J2402	J2407	
	J2417	J2420	J2423 -	J2424	J2439	J2443 -	J2444	J2532	J2534 -	
	J2535 -	J2536 -	J2537 -	J2538 -	J2539 -	J2540	J2542 -	J2543	J2545 -	
	J2546									
000326	J2124 -	J2125	J2416 -	J2417	J2420	J2532				
000327	J1415 -	J1416 -	J1417 -	J1418	J2121	J2123	J2126			
000330	J1546									
000331	J1544	J2230								
000333	J1325	J1417	J1421							
000334	J1545	J2223	J2304	J2401	J2406	J2423	J2535	J2537	J2541	
	- J2542	J2545 -	J2546							

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

STOP	CONNECTORS
000335	J1544 J1546 J2437
000336	J2436
000340	J2123 J2416 - J2417 - J2418 J2420 J2422 - J2423 J2427 - J2428 J2438 J2438
000342	J1216 J2125 J2230 J2241 J2244 J2417 J2420 J2423 - J2424 J2536
000343	J2417 J2420 J2532
000345	J2241 J2244 J2417 J2420 J2423 J2536
000346	J2416 - J2417 J420 J2532
000347	J2120
000350	J1151 J2416 - J2417 - J2418 J2426
000351	J1340 J1544 - J1545 - J1546 - J1547 - J1548 - J1549 - J1550 J2233 J2417 J2419 - J2420 - J2421 J2423 J2440 J2442 J2447 - J2448
000052	J1340 J2241 J2534 J2538 - J2539 J2542 - J2543 J2547
000353	J2420 J2440
000354	J1340 J1544 - J1545 - J1546 - J1547 J1549 - J1550
000355	J1326 J1411 - J1412 - J1413 J1419 J2312 J2416 - J2417 - J2418 J2420 - J2421 - J2422 - J2423 - J2424 J2426 - J2427 - J2428 J2430 J2439 J2535 J2537 J2540 - J2541 J2547 - J2548
000356	J1326 J1413
000357	J1324 J1413 J2420 J2537 J2547 - J2548
000360	J1324 J1413 J1419 J2535 J2537 J2543 J2548
000361	J1413 J1416 J2416 - J2417 J2420 J2537 J2541 J2547 - J2548
000362	J1413
000363	J1412 - J1413 J2537 J2548
000364	J1413
000365	J2239 J2241 J2417 J2420 J2423 J2430 J2439 J2442 - J2443 - J2444 J2535 J2544 - J2545

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS IOU OFF CPU OFF
DIAGNOSE STATUS   IOU OFF CPU OFF

STOP   CONNECTORS

```
000367    J1144    J1408    J1528  - J1531    J1533    J1535    J1537    J2123    J2125
          J2227    J2341    J2343  - J2344    J2417    J2420    J2429    J2431    J2540

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2119    J2413

000371    J2341    J2545

000372    J1421  - J1422  - J1423  - J1424  - J1519  - J1520  - J1521    J1523    J2239
          J2241    J2415    J2417    J2419  - J2420    J2435    J2442    J2446    J2448
          J2540    J2544

000374    J2435

000376    J1412    J1414    J1417  - J1418  - J1419    J2420    J2423    J2430    J2437
          J2439  - J2440    J2442    J2536  - J2537    J2540  - 32541  - J2542    J2547
        - J2548

000377    J1412    J1414    J1416    J1418  - J1419    J2535    J2540    J2547  - J2548

000400    J1413    J1417    J1419    J1425    J2109    J2111    J2117    J2332

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2335  - J2336

000401    J1411    J1413  - J1414    J1529

000402    J1412    J1418  - J1419    J2417    J2420    J2534  - J2535    J2538    J2540
          J2547  - J2548

000403    J1412    J1416    J1418    J2538    J2540    J2548

000404    J1413    J2123    J2125

000405    J1413

00088406  J1136    J2104    J2210    J2121    J2126  - J2127  - J2128    J2210    J2222
          J2224    J2226    J2230    J2232  - J2233  - J2234    J2238  - J2239  - J2240
          J2242  - J2243  - J2244  - J2245    J2341    J2343  - J2344    J2346    J2416  -
          J2417    J2420  - J2421    J2423    J2425    J2427  - J2428    J2431    J2435
          J2437    J2440  - J2441    J2443  - J2444    J2447  - J2448    32542    J2545  -
          J2546

000407    J1330    J2241    J2420    J2443    J2536

000410    J1211    J1231    J1243  - J1244  - J1245    J1344  - J1345  - J1346  - J1347
          J1349  - J1350    J2240    J2243    J2245    J2248    J2416    J2420    J2536
          J2539

000411    J2417    32532
```

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TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP								CONNECTORS								
000414	J1242	J1244	J1344	J2223	-	J2224	J2230	J2232	J2234	J2541						
	J2543	J2545														
000416	J2121	J2233	J2439													
000420	J1417	J2206	J2224	J2306	J2325	J2343	-	J2344	J2419	-	J2420					
	J2427	J2432	J2535	J2541	-	J2542	J2546									
000422	J31532	-	J1533	J1537	J2113	J2122	J2206	-	J2207	-	J2208	J2210				
	J2212	J2221	J2224	J2306	J2325	J2401	J2406	J2409	J2423							
	J2428	-	J2429	-	J2430	-	J2431	J2432	J2437	J2441	J2444	J2541				
	J2545															
000423	J2325	J2535														
000424	J2227	J2308	J2416	-	J2417	J2420	J2535									
000430	J2420															
000431	J2301	J2416														
000432	J1515	J1517														
000433	J2121	J2126	J2245	J2305	J2416	-	J2417	-	J2418	J2421	J2423					
	J2426															
000434	J2126	J2416	J2418	J2439												
000436	J2121	J2126	J2418	J2438												
000437	J2121	J2126	J2305	J2416	-	J2417	J2423									
000441	J2206	J2208	J2210	J2218	J2301	J2415	-	J2416	J2418	J2425						
	J2537															
000442	J1406	J1427	-	J1428	-	J1429	J1431	J2431	J2537	J2539	J2541					
000444	J2325															
000445	J1516	J1519	J2220	J2311	J2404	J2415	-	J2416	J2423	J2427						
	J2439	-	J2440													
000447	J2325															
000450	J1543	J2121	J2440													
000451	J1549	J2123	J2202	J2307	J2314	-	J2315	-	J2316	J2415	-	J2416				
	J2423	-	J2424	-	J2525	-	J2526	-	J2527	J2529	-	J2530	-	J2531		

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
000452    J2121    J2123    J2125    J2127    J2307    J2314    J2526    J2529    J2532

000453    J2307    J2314    J2526  - J2527    J2532

000454    J2307    J2311    J2526    J2529    J2532

000463    J1112    J1114    J1116    J1122    J1130    J1136    J1140  - J1141  - J1142
          J1145    J1146    J1150  - J1151    J1210    J1212  - J1213  - J1214    J1216
          J2227    J2234    J2312    J2316    J2416    J2443    J2542    J2547

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1121    J1215    J1217  - J1218  - J1219  - J1220  - J1221

000464    J1131  - J1132    J1136    J1140  - J1141  - J1142  - J1143    J3145  - J1146
        - J1147  - J1148  - J1149  - J1150  - J1151    J1211    J1214    J1216    J1228  -
          J1229    J1245  - J1246  - J1247  - J1248  - J1249    J1323    J1333    J1344
          J1348  - J1349  - J1350    J2227    J2229    J2232  - J2233  - J2234  - J2235  -
          J2236  - J2237  - J2238  - J2239  - J2240  - J2241    J2244  - J2245  - J2246
          J2341    J2418    J2421  - J2422    J2424  - J2425  - J2426  - J2427    J2431
          J2439    J2441    J2442    J2444    J2447    J2539

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215    J1217  - J1218  - J1219  - J1220  - J1221  - J1222

000465    J1131    J1136    J1214    J1216    J1338    J1547    J2348

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215    J1220  - J1221  - J1222

000466    J1214    J1216    J1227    J2311  - J2312    J2315    J2402

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215    J1217  - J1218  - J1219  - J1220  - J1221

000467    J1214    J1216    J1545

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215    J1217  - J1218  - J1219  - J1220  - J1221

000470    J1214    J1223    J1225    J1227    J1545

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1217  - J1218  - J1219  - J1220

000471    J1111    J1129    J1139  - J1140  - J1141  - J1142  - J1143    J1149    J1212
        - J1213    J1224  - J1225  - J1226  - J1227    J1238    J1245  - J1246    J1315  -
          J1316    J1347    J1350    J2132  - J2133    J2204    J2206    J2227    J2235  -
          J2236    J2240    J2309  - J2310    J2313  - J2314    J2316  - J2317    J2337
          J2341    J2408  - J2409    J2411  - J2412    J2525  - J2526  - J2527    J2529  -
          J2530    J2532
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1221 - J1222   J2413

000473   J1151   J1543   J2235

000474   J2418

000475   J2418

000477   J2122   J2245   J2312   J2418   J2424

000500   J1115   J1224 - J1225   J1238   J2132

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1221

000501   J2424

000502   J1227   J1341   J1451   J1519   J1528   J1532 - J1542 - J1543   J2117
    J2121 - J2122   J2129   J2131   J2132 - J2133 - J2134   J2202   J2204 -
    J2205 - J2206   J2208   J2216 - J2217   J2222   J2236 - J2237   J2241
    J2308 - J2309 - J2310 - J2311 - J2312   J2314   J2326   J2329 - J2330
    J2346   J2401 - J2402   J2405   J2408   J2410 - J2411 - J2412   J2415 -
    J2416   J2422   J2425 - J2426   J2428   J2430   J2435   J2437 - J2439 -
    J2439   J2442   J2444   J2446   J2448   J2524 - J2525   J2528 - J2529
    J2531   J2534 - J2535 - J2536

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1221   J2130   J2214

000503   J1520   J2122

000504   J1140 - J1141   J1143   J1214   J1216   J1223 - J1224   J1227   J1538
    J2132   J2307   J2311 - J2312 - J2313   J2316   J2408   J2411   J2525 -
    J2526 - J2527   J2529   J2532

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1215   J1218 - J1219 - J1220 - J1221

000505   J1227   J2416

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1215   J1218 - J1219   J1221

000506   J2121   J2235   J2237 - J2238   J2422   J2428

000510   J1210   J1226   J1231   J1323   J1333   J1337   J2227   J2229 - J2230
    J2232   J2235   J2241   J2247   J2314   J2316 - J2317   J2418   J2422
    J2424   J2428   J2535 - J2536   J2542

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1215

000511   J2418   J2422   J2428   J2532

000513   J1347   J2117   J2129   J2243   J2389 - J2310   J2315   J2424   J2530

000514   J2248

000515   J1112 - J1113 - J1114   J1116 - J1117   J1122   J1211 - J1212 - J1213
        J1216   J1225   J1227   J1231   J1315   J1317   J2229   J2233 - J2234
        J2237   J2240 - J2241   J2245   J2418   J2424   J2427   J2447   J2527
        J2529

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1121   J1215   J1217 - J1218 - J1219 - J1220 - J1221

000516   J1115   J2312

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1221

0000517   J2416

00520   J2422

000522   J1112   J1213   J1315 - J1316 - J1317 - J1318   J2233   J2237   J2239
    - J2248   J2245   J2312   J2428   J2423   J2447   J2539   J2547

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1218

000523   J1315 - J1316 - J1317 - J1318

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1222

000524   J1131   J1136   J1139 - J1148 - J1141 - J1142 - J1143 - J1144   J1149
    - J1150 - J1151   J1211 - J1212 - J1213   J1316   J2132   J2237 - J2238
        J2245 - J2246   J2310   J2312   J2316   J2420   J2423   J2438   J2526 -
        J2527   J2539

000525   J1131   J1148 - J1141   J1211   J2422

000526   J1112   J1115   J1151   J2235   J2239   J2245   J2424

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1217 - J1218

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
000527      J2237       J2312

000531      J1227       J1231       J1323       J1333       J2229       J2242       J2317       J2418       J2422
            J2424       J2536

000532      J2243       J2418       J2422       J2532

000534      J2237

000536      J1141       J1338       J2441

000537      J1149       J2420       J2424

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1218

000540      J111    -   J1112   -   J1113   -   J1114   -   J1115   -   J1116       J1129   -   J1130   -   J1131
            J1140   -   J1141   -   J1142       J1144   -   J1145   -   J1146       J1210   -   J1211   -   J1212   -
            J1213       J1216       J2229   -   J2230       J2232       J2234       J2236       J2238       J2246   -
            J2247   -   J2248       J2308       J2416       J2435       J2438   -   J2439

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J2136

000541      J2229       J2234       J2240   -   J2241       J2245       J2418       J2421       J2435       J2437
            J2448

000542      J2301       J2315       J2448

000543      J2418       J2420

000544      J1130       J1132       J1136       J1140   -   J1141   -   J1142       J1144   -   J1145       J1211
            J2236       J2238       J2243       J2245   -   J2246       J2435       J2438   -   J2439

000545      J1235       J2126       J2416       J2438

000546      J2121       J2124       J2126       J2385

000547      J1235       J2126

000550      J2416       J2418

000551      J1111       J1113   -   J1114       J1122       J1129       J1131       J1145       J1210       J1212
        -   J1213       J2229   -   J2230       J2232       J2234       J2416       J2424       J2435

000552      J2121       J2418

000553      J2301

000555      J1111       J1114   -   J1115       J1129       J1213       J2229       J2238       J2435
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

000556   J2416

000557   J2305

000560   J2418

008561   J2122   J2438

000564   J1146   J1243   J1512   J2202   J2205 - J2206   J2208   J2223 - J2224
　　　　　　J2227   J2229   J2235   J2238   J2242   J2245 - J2246   J2344   J2406
　　　　　　J2410   J2431   J2435   J2438 - J2439 - J2440 - J2441   J2445 - J2446 -
　　　　　　J2447   J2504   J2538

000565   J2229 - J2230   J2406   J2444   J2538   J2540

000566   J1139   J1151   J1212   J1223 - J1224 - J1225   J1228 - J1229 - J1230
　　　　　　J1315 - J1316   J1350   J2233 - J2234   J2239   J2307   J2311   J2313
　　　- J2314 - J2315 - J2316 - J2317   J2408   J2424   J2523   J2525 - J2526
　　　- J2527   J2529 - J2530 - J2531 - J2532

　　　　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　J1219   J1221   J1234

000567   J1144   J1228 - J1229 - J1230   J2308   J2312   J2314   J2316   J2408
　　　- J2409   J2523   J2525 - J2526 - J2527   J2529 - J2530

　　　　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　J1221

000570   J1212   J1223   J1228 - J1229 - J1230   J2305 - J2306   J2312 - J2313
　　　- J2314   J2526   J2532

000571   J1139   J1150   J!212 - J1213   J1315   J2527

　　　　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　J1221

000572   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　J1215

00573   J2237

080575   J1225

　　　　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　J1219   J1221

000576   J1140 - J1141 - J1142 - J1143   J1211   J1245   J1350   J2239 - J2240
　　　- J2241   J2244 - J2245 - J2246   J2305 - J2306 - J2307   J2317   J2418

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

J2422   J2424   J2526

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1221

000577   J1141   J1211   J1231   J1244 - J1245   J2240   J2243   J2245   J2310
        J2348   J2526

000600   J1244   J2527

000601   J2244   J2422

000602   J1141   J2436 - J2437

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1215

00604   J2123   J2239 - J2240   J2307   J2313   J2317   J2348   J2422   J2424
  - J2425   J2435   J2535

000606   J31144   J1225   J1451   J1549 - J1550   J2123   J2124   J2240   J2242
        J2312 - J2313   J2316 - J2317   J2419   J2424   J2435 - J2436   J2445
        J2448   J2526

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1215   J1222

000610   J1225   J2306   J2312 - J2313   J2435

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1215   J1219 - J1220   J1222

000614   J2121   J2418   J2422   J2541

000624   J1111   J1113 - J1114 - J1115   J1122   J1124   J1131 - J1132   J1210
        J1231   J2104   J2209   J2226 - J2227   J2229 - J2230 - J2231 - J2232 -
        J2233 - J2234 - J2235 - J2236 - J2237 - J2238 - J2239 - J2240 - J2241 -
        J2242   J2244 - J2245 - J2246 - J2247 - J2248   J2305   J2367   J2310
        J2313   J2316 - J2317   J2340 - J2341   J2418   J2422   J2424 - J2425
        J2441   J2444   J2446   J2534 - J2535   J2540   J2544

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222   J2334

000625   J1115   J1117 - J1118   J1123   J1210   J1231   J1331   J2213   J2223
        J2231 - J2232   J2235 - J2236   J2238 - J2239 - J2240   J2244 - J2245 -
        J2246   J2307   J2312   J2418   J2420   J2435   J2437   J2439   J2445

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1121

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS IOU OFF CPU OFF
DIAGNOSE STATUS IOU OFF CPU OFF

STOP   CONNECTORS

```
000626     J1113  -  J1114  -  J1115  -  J1116  -  J1117  -  J1118     J1122  -  J1123  -  J1124
        -  J1125  -  J1126  -  J1127  -  J1128  -  J1129  -  J1130  -  J1131  -  J1132     J1213
           J1226     J1231     J1246  -  J1247  -  J1248  -  J1249     J1321     J1331     J1344
           J1348  -  J1349  -  J1350     J2232     J2235     J2238  -  J2239     J2242     J2313
           J2317     J2442     J2538     J2540     J2544  -  J2545

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1121

000627     J31136    J1244     J1331     J2229     J2232     J2417     J2435  -  J2436  -  J2437

000630     J1114     J1117  -  J1118     J1125  -  J1126  -  J1127  -  J1128  -  J1129     J1226
           J1231     J1321     J1331     J2239

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1215

000631     J1113     J1114     J1115  -  J1116  -  J1117     J1122  -  J1123  -  J1124  -  J1125
        -  J1126     J1131  -  J1132     J1246  -  J1247  -  J1248  -  J1249     J1331     J1344
           J2205     J2227     J2238     J2245     J2422

000632     J1111     J1115     J1122     J1129     J1151     J1212  -  J1213     J1225     J1227
           J1231     J1235     J1245  -  J1246     J2207     J2222     J2226     J2229     J2232
           J2234  -  J2235     J2237  -  J2238  -  J2239  -  J2240     J2243  -  J2244  -  J2245
           J2308     J2310  -  J2311     J2313  -  J2314     J2316  -  J2317     J2340  -  J2341
           J2410     J2424  -  J2425     J2435     J2439     J2443  -  J2444     J2445  -  J2447  -
           J2448

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1222

000633     J1111     J1115     J1129     J1144     J1212     J1225     J1227     J1235     J1245
        -  J1246     J1316     J2232  -  J2233  -  J2234     J2244     J2313     J2317

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           1221

000634     J2312

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1215

000635     J1226     J1321     J1331

000637     J1112

000643     J1111     J1122     J1124     J1129  -  J1130  -  J1131     J1136     J1211     J1227
           J1229     J1231     J1235     J1239  -  J1240  -  J1241  -  J1242  -  J1243  -  J1244  -
           J1245  -  J1246  -  J1247  -  J1248  -  J1249     J1331     J1344  -  J1345  -  J1346  -
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
        J1347  -  J1348  -  J1349  -  J1350      J1542      J1545      J1547      J2111      J2113
        J2203  -  J2204  -  J2205      J2207      J2210  -  J2211      J2215  -  J2216  -  J2217  -
        J2218  -  J2219  -  J2220      J2226      J2229  -  J2230  -  J2231  -  J2232  -  J2233
        J2235      J2237  -  J2238  -  J2239  -  J2240  -  J2241  -  J2242  -  J2243  -  J2244  -
        J2245      J2247  -  J2248      J2302      J2305      J2309      J2311  -  J2312      J2314  -
        J2315      J2324      J2327      J2338  -  J2339  -  J2340  -  J2341  -  J2342  -  J2343  -
        J2344      J2346      J2402      J2404  -  J2405      J2409      J2411      J2417      J2423
        J2428  -  J2429  -  J2430      J2437      J2537      J2546

000644  J1111      J1113  -  J1114  -  J1115      J1118      J1122      J1129  -  J1130  -  J1131
     -  J1132      J1210  -  J1211      J1227  -  J1228      J1231      J1235      J1239  -  J1240  -
        J1241  -  J1243  -  J1244  -  J1245  -  J1246  -  J1247  -  J1248  -  J1249
        J1344  -  J1345  -  J1346  -  J1347  -  J1348  -  J1349  -  J1350      J2235  -
        J2236      J2242      J2248      J2527

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1217

000645  J1113  -  J1114      J1116      J1123      J1132      J1231      J1235      J1242      J2236
        J2247

000646  J1114  -  J1115  -  J1116      J1122  -  J1123  -  J1124      J1126      J1130  -  J1131
     -  J1132      J1136      J1210      J1235      J1240      J1242      J1244  -  J1245  -  J1246  -
        J1247  -  J1248  -  J1249      J1344  -  J1345  -  J1346  -  J1347  -  J1348  -  J1349
        J2229      J2232      J2235  -  J2236  -  J2237  -  J2238  -  J2239      J2247

000647  J1113      J1115      J1118      J1128  -  J1129      J1131      J1210      J1239  -  J1240
        J1242      J1244  -  J1245  -  J1246  -  J1247  -  J1248  -  J1249      J1321      J1344  -
        J1345  -  J1346      J1348  -  J1349  -  J1350      J2248      J2527      J2529

000650  J1114      J1118      J1211      J1243      J1247      J2526

000651  J1231      J1235      J1244      J1547      J2205      J2233      J2238      J2242      J2244
        J2341  -  J2342      J2416      J2421      J2444

000652  J1115      J1130  -  J1131      J1231      J1242      J1244      J1543      J2229      J2232

000653  J1115      J1118      J1122  -  J1123  -  J1124      J1126      J1129      J1131  -  J1132
        J1140      J1145      J1210      J1227      J1229      J1244      J1247      J1546      J2232
        J2238      J2247      J2446

000654  J1245      J1248      J2230

000655  J1113      J1115      J1130  -  J1131      J1136      J1211      J1231      J1235      J1241
        J1243  -  J1244      J1246      J1248      J1344      J1349      J2203  -  J2204  -  J2205
        J2208  -  J2209      J2222      J2230      J2239      J2241      J2243      J2245      J2248
        J2310      J2341      J2346      J2411      J2438      J2441      J2444      J2447

000656  J1424      J1543      J2122      J2204  -  J2205      J2211      J2216      J2219      J2222
```

Change 4 2-67

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
           J2226     J2230  - J2232  - J2233  - J2234    J2238     J2310     J2312  - J2313
           J2340  -  J2341  - J2342    J2406    J2438  - J2439  -  J2440  -  J2441    J2443
           J2445  -  J2446    J2537

000657     J1129     J1245    J1247    J1249    J1348    J2216     J2239     J2241

000660     J1338     J1545    J1547    J2204    J2212    J2216     J2218  -  J2219  - J2220
           J2429

000661     J1111     J1113  - J1114  - J1115  - J1116  - J1117  - J1118     J1122  - J1123
        -  J1124  -  J1125  - J1126  - J1127  - J1128  - J1129  - J1130  -  J1131  - J1132
           J1136     J1140    J1229    J1231    J1321    J1331     J1547  -  J2215  - J2216  -
           J2217  -  J2218  - J2219  - J2220    J2222    J2229     J2231     J2233  - J2234
           J2237     J2239    J2243    J2247    J2327    J2441

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1218

000662     J1114     J1118    J1129  - J1130  - J1131  - J1132     J1136     J1211     J1213
           J1228  -  J1229  - J1230  - J1231    J1235    J1239     J1242  -  J1243  - J1244
        -  J1245  -  J1246  - J1247  - J1248  - J1249    J1344     J1348  -  J1349  - J1350
           J2226     J2229  - J2230    J2232  - J2233  - J2234     J2239  -  J2240  - J2241  -
           J2242  -  J2243  - J2244  - J2245
           J2338  -  J2339  - J2340  - J2341    J2438  - J2439     J2441  -  J2442  - J2443
        -  J2444  -  J2445  - J2446  - J2447  - J2448    J2526  -  J2527

000663     J1113  -  J1114  - J1115  - J1116    J1123  - J1124  - J1125  -  J1126  - J1127
        -  J1128  -  J1129    J1131  - J1132    J1140    J1138     J2230     J2239

000664     J2529

000665     J1451     J2443  - J2444    J2446

000666     J1113  -  J1114    J1116  - J1117  - J1118    J1122  - J1123  -  J1124  - J1125
        -  J1126  -  J1127  - J1128  - J1129    J1131  - J1132     J1140     J1145     J1210
        -  J1211     J1214    J1451    J1547    J2216  - J2217     J2229  -  J2230     J2235  -
           J2236     J2244    J2342    J2417    J2437    J2444  -  J2445  -  J2446  - J2447  -
           J2448     J2540    J2544

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1217

000670     J1117     J1123  - J1124  - J1125  - J1126  - J1127  - J1128  -  J1129     J1131
           J1210     J1216    J1321    J1331    J1545    J1547     J2219     J2239     J2411

000672     J1116     J1123    J1132    J2229

000674     J1113     J1115    J1117  - J1118    J1136    J1216

000675     J2431
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

000676	J1111	J1113	J1123	-	J1124	-	J1125	-	31126	-	J1127	-	J1128	-	J1129		
	J1131	J1146	J1223		J1225	-	J1226	-	J1227		J1338		J1341		J1348		
	J1413	J1419	J1543		J1549		J2123		J2131	-	J2132	-	J2133		J2311		
	J2402	J2415	J2421		J2436		J2443		J2524		J2526	-	J2527	-	J2528	-	
	J2529	-	J2530	-	J2531		J2543	-	J2544	-	J2545		J2548				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1215   J1221   J2130

000701	J1113	J1122	J1130	-	J1131	J1136	J1227	J1235	J1244	J2238
-	J2239	J2241	J2243	-	J2244	J2248	J2442	J2444	J2446	J2546
000702	J1113	J1132	J1216		J2126	J2239				
000703	J1242	J1244	J2120		J2125					
000704	J1113	J1131	J1214							
000705	J1115	J1131	J1248		J1344	J1349	J2125	J2236	J2239	J2244
	J2247									
000706	J1132	J1331	J2239		J2440	J2443	J2447			
000707	J1338	J1545	J1547							
000710	J1132	J2230	J2233		J2236	J2238 -	J2239	J2248	J2422	J2448
086711	J1111	J1129								
000712	J1123	J2203	J2235							
000715	J1114	J1132								
000716	J1111	J1114	J1122 -		J1123	J1129	J1132	J2229 -	J2230	
000717	J1113	J1117	J1132							
000720	J1113	J1116 -	J1117		J1131 -	J1132	J1231	J2205	J2229	J2232
880721	J1111	J1114	J1122		J1126	J1129	J2430			
000722	J1113	J1126	J1131							
000724	J1113	J1115	J1117		J1126	J1131	J1210	J2204 -	J2205	J2229
	J2247	J2310	J2346							
000725	J2204 -	J2205	J2230		J2310	J2313	J2340	J2446 -	J2447	
008726	J2237	J2239								

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TABLE 2-2. CPU FAULT LOCATION

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   CONNECTORS

| 000727 | J1230 | - | J1231 | J2229 | | | | | | | | | | | |

| 000730 | J1131 |

000732	J1132		J1228		J2229		J2231	-	J2232		J2234		J2236	-	J2237		J2240
	J2243	-	J2244	-	J2245	-	J2246		J2314		J2417		J2422		J2424		J2438
	J2444	-	J2445		J2447	-	J2448

| 000734 | J1438 | | J1441 | | J1443 | | J1446 | - | J1447 | | J1450 | - | J1451 |

| 000735 | J1442 | | J1445 | | J2205 | | J2238 | | J2315 |

| 000736 | J1131 | - | J1132 |

| 0066737 | J1228 | | J1437 | | J1440 | | J2239 |

| 000740 | J1228 | | J1231 | | J2230 |

| 000741 | J2417 | | J2419 | | J2422 | | J2439 | - | J2440 |

| 000742 | J2230 |

000745	J1226	-	J1227		J1437		J1440		J2104	-	J2105		J2108		J2111		J2205
	J2226		J2229	-	J2230	-	J2231	-	J2232	-	J2233	-	J2234		J2236		J2238
	J2240		J2245	-	J2246	-	J2247		J2302		J2340		J2406		J2424	-	J2425
	J2438	-	J2439		J2441		J2444		J2447		J2540		J2545

| 000746 | J1227 | | J1442 | | J1445 | | J1547 | | J2406 |

| 000750 | J1132 | | J2235 | | J2238 | | J2302 |

| 000751 | J2236 | | J2438 | - | J2439 |

| 000753 | J1111 | | J1129 |

000755	J2229		J2231		J2233		J2239		J2241	-	J2242		J2244	-	J2245	-	J2246
	J2248		J2308		J2341		J2343	-	J2344		J2416		J2419	-	J2420	-	J2421
	J2437		J2439		J2442	-	J2443	-	J2444	-	J2445	-	J2446		J2534		J2536
	J2538	-	J2539		J2543	-	J2544	-	J2545	-	J2546

000760	J1111		J1113		J1115	-	J1116		J1125	-	J1126	-	J1127	-	J1128	-	J1129
	J1131		J1144		J1212	-	J1213		J1230	-	J1231		J1239	-	J1240	-	J1241
	J1243		J1245	-	J1246	-	J1247	-	J1248	-	J1249		J1341		J1344	-	J1345
-	J1346	-	J1347	-	J1348	-	J1349	-	J1350		J1551		J2203	-	J2204	-	J2207
	J2210	-	J2211	-	J22r2		J2215	-	J2216	-	J2217	-	J2218	-	J2219	-	J2220
	J2229		J2233		J2237		J2239		J2241		J2243		J2245		J2247	-	J2248
	J2305	-	J2306	-	J2307		J2311		J2314	-	J2315	-	J2316		J2326		J2341
	J2408		J2424	-	J2425		J2435		J2437	-	J2438		J2446	-	J2447		J2525
-	J2526	-	J2527		J2530		J2542		J2544		J2547

Change 4   2-70

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
         J1217  - J1218  - J1219    J2119
```

```
000761   J1238    J1242    J1244    J1347      J1350
```

```
000762   J1111    J1129    J1213  - J1214    J1225    J1227    J2229    J2234    J2237
         J2240    J2243    J2421  - J2422    J2438  - J2439    J2447
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
         J1215    J1219  - J1220
```

```
000763     J1311      J1113  - J1114  - J1115    J1122    J1129    J1131  - J1132    J1211
         - J1212  - J1213  - J1214    J1223    J1226  - J1227  - J1228  - J1229    J1231
           J1239  - J1240  - J1241    J1244  - J1245  - J1246  - J1247    J1249    J1345
         - J1346  - J1347    J1350    J2104    J2108    J2115    J2131  - J2132  - J2133
           J2203  - J2204  - J2205    J2209  - J2210  - J2211    J2226    J2229    J2230
           J2232  - J2233  - J2234  - J2235  - J2236  - J2237  - J2238  - J2239  - J2240
         - J2241    J2243  - J2244    J2246  - J2247  - J2248    J2302    J2309    J2312
           J2315  - J2316    J2340  - J2341    J2402    J2405    J2408    J2411    J2421
           J2424  - J2425    J2429    J2435    J2438  - J2439    J2443  - J2444  - J2445
           J2447    J2504    J2525  - J2526  - J2527    J2529  - J2530    J2536    J2544  -
           J2545
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
         J1209    J1215    J1219    J1220      J1221    J2130    J2433
```

```
0088764  J1231
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
         J1217
```

```
000765   J1111    J1114  - J1115    J1129    J1137    J1212  - J1213    J1226    J1228
         J1231    J1243  - J1244  - J1245  - J1246  - J1247    J1249    J1350    J2229
         J2246    J2306    J2412    J2525
```

```
000766   J1411    J2510
```

```
000767   J1213    J1231    J1245    J1249    J2240    J2244    J2248
```

```
080770   J1526    J2231    J2233    J2248    J2435    J2444
```

```
000771   J1111    J1113    J1129    J1213    J2110
```

```
000772   J1136    J1143    J1146    J1150  - J1151    J1227    J1239    J1242  - J1243
         J1245    J1247    J1350    J1417    J1517    J2123  - J2124  - J2125  - J2126  -
         J2127  - J2128    J2219    J2230    J2236  - J2237    J2239    J2243  - J2244
         J2246    J2248    J2421  - J2422    J2437    J2442    J2444    J2447
```

```
000773   J1130  - J1131  - J1132    J1136    J1140  - J1141    J1143  - J1144  - J1145
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

```
        -  J1146    J1150  -  J1151    J1210    J1228    J1242    J1412    J1532    J1537
           J2122    J2203  -  J2204    J2217    J2219    J2229    J2231  - J2232  - J2233 -
           J2234  - J2235  -  J2236  - J2237  - J2238  - J2239  - J2240    J2242  - J2243 -
           J2244  - J2245  -  J2246  - J2247  - J2248    J2312    J2315    J2340  - J2341
           J2348    J2405     J2417    J2419  - J2420  - J2421  - J2422    J2438    J2444
           J2534  - J2535  -  J2536    J2539    J2544  - J2545  - J2546    J2548

000774     J1132    J1141     J1143    J1145  - J1146    J1148  - J1149    J1246    J2216

000775     J1512    J2120     J2122  - J2123    J2205  - J2206  - J2207    J2230    J2325
           J2406    J2428  -  J2429  - J2430  - J2431  - J2432    J2440  - J2441    J2444

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J2214

000776     J1118    J1425     J2106    J2113    J2122    J2202    J2205  - J2206  - J2207
        -  J2208    J2223     J2230    J2242    J2325    J2406    J2428  - J2429  - J2430  -
           J2431  - J2432     J2438    J2441    J2446    J2540
000777     J2123    J2224     J2429    J2432    J2441    J2446  - J2447

001000     J1411    J2107     J2109    J2111    J2113  - J2114  - J2115    J2117    J2285
           J2207    J2211     J2229    J2238    J2332    J2406    J2410    J2440  - J2441
           J2444    J2504     J2530    J2538    J2541    J2544  - J2545  - J2546  - J2547

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J2318    J2335  -  J2336
001001     J2117    J2127     J2207    J2238    J2242    J2348    J2440 -  J2441    J2444
           J2446

001002     J2122    J2206     J2315    J2410    J2419    J2425    J2438    J2441  - J2442
           J2444

001003     J1405    J1409     J1411    J1433    J1513 -  J1514  - J1515  - J1516  - J1517
        -  J1518  - J1519     J1523    J1528  - J1529    J1531    J1536    J2116    J2211
           J2233    J2316     J2327    J2416    J2418    J2524    J2530 -  J2531  - J2532
           J2534  - J2535  -  J2536    J2538    J2545 -  J2546    J2548

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1404

001005     J1529    J1536     J2129    J2205    J2304    J2306  - J2307    J2328    J2338
           J2401  - J2402     J2406 -  J2407    J2420    J2514    J2536

001006     J1409  - J1410     J1413    J1419    J1433    J1511    J1515  - J1516    J1517
           J1519    J1529 -   J1530  - J1531  - J1532  - J1533    J1535  - J1536    J1542
           J2120    J2208     J2233    J2316    J2340    J2344'   J2408    J2416    J2418  -
           J2419    J2421     J2425    J2429    J2432    J2510    J2514  - J2515  - J2516
           J2528  - J2529  -  J2530  - J2531    J2536    J2544  - J2545
```

TABLE 2-2. CPU FAULT LOCATION

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1404   J2345   J2433

001007	J1323	J1339	-	J1340	J1410	-	J1411	J1421	-	J1422	-	J1423	J1425
	- J1426	- J1427	- J1428	- J1429	J1431	- J1432	- J1433	- J1434	- J1435	-
	J1436	J1514	J1517	J1526	J1527	J1528	- J1529	- J1530	- J1531	-
	J1532	- J1533	J1538	J1539	- J1540	J1542	J2107	- J2108	J2117
	J2202	J2205	J2215	J2217	- J2218	J2220	- J2221	- J2222	- J2223
	J2225	J2311	J2313	- J2314	J2326	- J2327	J2329	J2410	J2440
	J2503	- J2504	- J2505	J2507	J2517	J2527	J2537	J2539	- J2540
	J2544	J2547	- J2540

001010	J1140	- J1141	J1143	J1147	J1235	J1242	J1246	J1249	J2132
	J2229	J2237	J2240	J2306	J2313	- J2314	J2343	- J2344	J2408
	J2415	- J2416	J2419	- J2420	J2441	- J2442	J2444	- J2445	J2525	-
	J2526	J2537	J2545

| 001011 | J2535 | J2537 | J2540 |

| 001012 | J1231 | J1235 | J1245 | J2233 | J2237 | J2240 | J2243 | J2248 | J2307 |
| | J2310 | J2313 | - J2314 | J2525 |

| 001013 | J2239 | J2439 | J2542 | - J2543 | J2545 |

| 001014 | J2132 | - J2133 | J2311 | J2417 |

| 001015 | J2436 | J2443 |

| 001016 | J2123 | J2208 | J2217 | J2226 | J2305 | J2314 | J2415 | - J2416 | J2418 |
| | - J2419 | J2430 | J2445 |

| 001017 | J2218 | J2415 | J2417 | J2430 | J2437 | J2442 | J2534 | - J2535 | - J2536 |
| | J2543 |

| 001020 | J2218 | J2226 | J2243 | J2436 |

| 001021 | J2226 | J2233 |

| 001022 | J2437 | J2536 | J2539 |

| 001023 | J2534 |

| 001024 | J;149 | J1151 | J1244 | - J1245 | - J1246 | J1249 | J1347 | J2308 | J2316 |
| | - J2317 | J2408 | - J2409 | - J2410 | J2419 | J2525 | J2527 | J2529 | - J2530 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2433

| 081025 | J1130 | J1136 | J1140 | J1239 | - J1240 | - J1241 | J1246 | J1249 | J1345 |

Change 4   2-73

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

```
001026    J1548       J2239       J2244       J2246       J2412       J2443
          J2240       J2244

001030    J2133       J2134       J2135       J2321

001031    J2133       J2135       J2321

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2320

001032    J2133       J2135       J2321

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2320

001033    J2133       J2135       J2321
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2320

001034    J1422       J1424       J1526       J1528       J1530       J2133       J2227       J2301   -   J2302
          J2306   -   J2307       J2310       J2329       J2401   -   J2402       J2407       J2409       J2412
          J2416       J2504       J2509   -   J2510   -   J2511       J2513       J2515   -   J2516       J2518

001035    J2120       J2122       J2124       J2129       J2131   -   J2132       J2133       J2135       J2203
      -   J2204   -   J2205   -   J2206   -   J2207   -   J2208   -   J2209   -   J2210       J2212   -   J2213
          J2217       J2223   -   J2224   -   J2225       J2306       J2308       J2310       J2314       J2329
          J2337   -   J2338   -   J2339       J2342   -   J2343   -   J2344       J2401   -   J2402       J2405   -
          J2406       J2409       J2415       J2418       J2426   -   J2427       J2509   -   J2510   -   J2511
          J2515   -   J2516       J2518

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2119       J2130

001037    J1420   -   J1421       J1423       J1514       J1520   -   J1521   -   J1522   -   J1523       J1525
      -   J1526       J1528   -   J1529   -   J1530   -   J1531   -   J1532       J1534       J1536   -   J1537
          J1539       J2104       J2106       J2207       J2232       J2237       J2302       J2306       J2308
          J2315       J2329   -   J2330       J2405       J2410   -   J2411       J2415   -   J2416   -   J2417   -
          J2418       J2421       J2425   -   J2426       J2429       J2435       J2437   -   J2438   -   J2439   -
          J2440       J2534   -   J2535   -   J2536   -   J2537   -   J2538   -   J2539   -   J2540   -   J2541
          J2544   -   J2545   -   J2546       J2548

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1430

001040    J1408       J1509       J1524       J1526       J1529       J1531   -   J1532   -   J1533   -   J1534
      -   J1535   -   J1536   -   J1537       J1539       J1542       J!551       J2232       J2308       J2437

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```

Change 4   2-74

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

	J1404		J1444								
001841	J2307		J2311	-	J2312	J2314		J2321				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2318

001042	J2121		J2129		J2131	-	J2132	J2224	-	J2225	J2302	J2308	J2311
	J2314		J2327		J2408	-	J2409	J2412		J2502	- J2503	- J2504	J2566
	J2508		J2510		J2517		J2524	- J2525		J2531			

001043	J2327

001044	J2327	J2524	J2529	- J2530

001045	J1420	- J1421	- J1422	- J1423	J1516	J1520	- J1521	- J1522	- J1523
-	J1524	- J1525	- J1526	J1529	J1531	J1533	- J1534	- J1535	J1537
	J2327	J2512	J2524	J2529	- J2530				

001046	J2328	J2524	J2529	- J2530

001047	J2328	J2342	J2524	J2527	J2529

001050	J1405		J1420	- J1421	- J1422	- J1423	- J1424	J1520	- J1521	- J1522
-	J1523	- J1524	- J1525	- J1526	J1529	J1531	J1533	J1535	J1537
	J2213	J2301	- J2302	J2304	J2307	- J2308	J2328	J2341	J2504
	J2512	J2515	- J2516	J2525	J2530				

001051	J2224	J2328	J2401	J2407	J2513	J2515	J2523	J2542

001052	J2328	J2514	- J2515	- J2516	J2544

001053	J1419	J2328	J2512	- J2513	- J2514	J2516

001054	J2204	J2206	J2224	J2337	- J2338	J2342	J2346		
001055	J2308	J2328	J2401	- J2402	J2406	- J2407	J2421	J2505	J2587
-	J2508	J2513	- J2514	- J2515					

001056	J1425	- J1426	- J1427	J1429	J1432	J1513	J1518	J1525	- J1526
	J1528	- J1529	J1532	J1534	- J1535	- J1536	- J1537	J1538	J2108
	J2122	J2435	J2440	J2515	J2535	- J2536	- J2537	J2546	

001057	J1421	J1525	J1526	J1528	J1530	J2542	J2546

001868	J1113	J1227	J1543	J2230	J2542

001061	J1214	J1224	J1227	J1451	J1512	J2122	J2411

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

Change 4   2-75

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS **IOU OFF** **CPU OFF**
DIAGNOSE STATUS **IOU OFF** **CPU OFF**

STOP   CONNECTORS

	J1215	J1217						
001062	J1242	J1424	J1451	J1526	J2317	J2440		
001063	J2204 - J2205	J2207	J2236	J2243	J2301 - J2302	J2305 - J2306		
	J2308 - J2309	J2311	J2401 - J2402	J2415	J2417	J2419	J2422	
	- J2423	J2430	J2435	J2440	J2445	J2510	J2512	J2534	J2538
	J2540	J2544 - J2544 - J2545						
001064	J1531	J2322 - J2323	J2332 - J2333	J2401 - J2402	J2404	J2407		
	J2409	J2412	J2419	J2438	J2440 - J2441	J2501 - J2502 - J2503 -		
	J2504 - J2505 - J2506 - J2507	J2509 - J2510 - J2511	J2513	J2515				
	- J2516 - J2517	J2523	J2534	J2544	J2546			

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2520

001065	J1228 - J1229	J2229	J2233	J2235 - J2236	J2242	J2245	J2305
	- J2306	J2412	J2441 - J2442	J2503 - J2504	J2507	J2510	J2517
	J2536	J2540					
001066	J2401 - J2402	J2409	J2416				
001067	J1228	J1243 - J1244	J2305	J2311	J2540	J2542 - J2543	J2545
001870	J2227	J2302	J2305	J2307	J2322 - J2323	J2332 - J2333	J2341
	- J2342	J2402	J2407	J2409	J2412	J2415	J2501 - J2502 - J2503 -
	J2504 - J2505 - J2506	J2510 - J2511	J2513	J2516 - J2517	J2523		

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2334

001071	J2305 - J2306 - J2307 - J2308	J2507	J2517	J2528	J2538	J2540
001074	J2440					
001076	J2401					
001077	J1534	J2441				
081100	J2207	J2435	J2441			
001101	J2440 - J2441	J2445	J2447	J2535	J2544 - J2545	
001103	J1531	J1534	J1537	J2207	J2311	J2536
001104	J1423	J1526	J1528	J1530 - J1531	J1534	J2535	J2538

Change 4   2-76

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

```
001107      J1531      J1537      J2122      J2129      J2131      J2133      J2202    - J2203    - J2204
          - J2205    - J2206    - J2207    - J2288    - J2209    - J2210    - J2211    - J2212      J2213
            J2216    - J2217    - J2218      J2220    - J2221    - J2222    - J2223    - J2224    - J2225
            J2306      J2310      J2326      J2342      J2343      J2405      J2444      J2509    - J2510    -
            J2511      J2516    - J2517      J2536      J2538      J2542    - J2543    - J2544    - J2545
            J2548

081110      J2131      J2202      J2204      J2207      J2212      J2223      J2225      J2306    - J2307
            J2309    - J2310    - J2311      J2313    - J2314      J2331      J2402      J2405      J2412
            J2446      J2524

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2130

001111      J1435      J2310      J2348

001112      J1420      J2308      J2401      J2406      J2511

001113      J1532      J1535      J1549      J2104      J2108      J2203    - J2204    - J2205    - J2206
          - J2207      J2212      J2221      J2223    - J2224    - J2225      J2234      J2236      J2238
            J2240      J2245      J2302      J2308      J2406      J2419      J2534      J2538      J2540    -
            J2541      J2542    - J2543    - J2544

001114      J2401      J2416      J2418      J2511

001115      J2302      J2307      J2330    - J2331      J2401    - 32402      J2406    - 32407      J2409
            J2504    - J2505      J2518      J2523

001116      J1143      J2302      J2305    - J2306      J2308      J2315      J2322    - J2323      J2330
            J2401    - J2402      J2406      J2409      J2412      J2421      J2504    - J2505    - J2506
          - J2507      J2509    - J2518    - J2511      J2534    - J2535      J2537    - J2538    - J2539    -
            J2540    - J2541    - J2542    - J2543    - J2544    - J2545    - J2546

001117      J1516      J2202    - J2203    - J2284    - J2205      J2207      J2210      J2213      J2222
          - J2223    - J2224    - J2225      J2230    - J2231      J2236      J2238      J2242      J2302
            J2306      J2308      J2310      J2315      J2342      J2401      J2405      J2410    - J2411
            J2415    - J2416      J2419      J2501    - J2502    - J2503    - J2504    - J2505    - J2506    -
            J2587    - J2508    - J2509      J2517    - J2518      J2523    - J2534      J2540    - J2541
            J2542      J2544      J2546

001120      J1419      J2213      J2223      J2308      J2330      J2401    - J2402      J2406      J2499
            J2505      J2507      J2509    - J2510    - J2511      J2516    - J2517

001121      J1144

001122      J2209      J2212    - J2213      J2236

001123      J2331
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

Change 4   2-77

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

	J1222								
001124	J2210	J2224	- J2225	J2307	J2310	J2315	J2409	J2505	J2507
	J2518	J2536	J2543						
001125	J2540	J2542							
001127	J2131	J2203	J2205	J2207	- J2208	J2225	J2314	J2408	J2535

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

	J2130								
001131	J2239	J2244	J2246	J2322	J2418	J2420	J2504	J2507	J2528
	J2543								
001133	J1117	J2104	J2107	- J2108	J2207	J2221	J2226	J2233	- J2234
	- J2235	- J2236	J2240	J2382	J2388	J2481	J2405	J2419	J2504
	J2536	- J2537	- J2538	- J2539	- J2540	J2544			
001134	J1532	J2107	- J2108	J2131	J2204	J2210	J2212	J2224	- J2225
	J2233	J2305	J2307	- J2308	J2310	J2315	J2402	J2412	J2501
	J2536								

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

	J2130								
001135	J2203	- J2204	- J2205	- J2206	J2308	J2310	J24J2	J2409	J2416
	J2418	J2510							
001136	J2306	- J2307	J2330	- J2331	J2409				
001148	J2401								
00881141	J1420	J1521	J1524	- J1525	J1529	J2204	- J2205	J2305	J2416
	J2418								
001143	J2237	J2239	J2422						
001144	J2412	J2515							
001145	J2124	J2235	J2516	J2548					
001146	J2224	J2305	- J2306	J2308	J2310	J2405			
001147	J2401								
001150	J1524	J2207							
001153	J2224	J2233	J2242	J2540					

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

STOP																	
001155		J1420		J1521		J1525		J2203		J2205		J2212		J2348			
001160		J2224		J2233		J2235											
001163		J1420		J1521		J1524	-	J1525		32203		J2205		J2419			
001166		J2310		J2315		J2502	-	J2503		J2505		J2507	-	J2508		J2518	
001167		J1144		J1210		J1212		J1320		J1322		J1338		J1340	-	J1341	J1410
	-	J1411		J1413		J1416		J1419	-	J1428		J1424	-	J1425	-	J1426	-	J1427	-
		J1428	-	J1429		J1431	-	J1432	-	J1433	-	J1434	-	J1435	-	J1436	J1512
		J1517		J1519		J1521		J1524	-	J1525		J1527	-	J1528		J1530	J1538	-
		J1539	-	J1540		J1542	-	J1543		J2125		J2234		J2402		J2409	J2417.
		J2537		J2539	-	J2540		J2544		J2546	-	J2547					

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1430

| 001171 | | J1525 | | J1529 | | J2129 | | J2131 | - | J2132 | | J2205 | | J2223 | | J2310 | J2311 |
| | | J2326 | | J2408 | | J2411 | | J2508 | | J2525 | | J2527 | | | | | |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2130

001175		J2504		J2566													
001176		J2205		J2207		J2235		J2238		J2245	-	J2246		J2419			
001200		J1312	-	J1313	-	J1314	-	J1315		J1316		J2108		J2112		J2114	-	J2115
		J2122		J2129		J2135		J2231		J2234	-	J2235	-	J2236		J2238	J2244
		J2305		J2311		J2316	-	J2317		J2321		J2331		J2333		J2348	-	J2341	-
		J2342		J2344		J2415	-	J2416		J2418	-	J2419		J2421		J2429	J2431	-
		J2432		J2435	-	J2436		J2447		J2507		J2534					

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2318   J2413

| 001201 | | J1312 | - | J1313 | - | J1314 | - | J1315 | - | J1316 | | J2317 | | J2321 | | J2333 | J2341 |
| | - | J2342 | | J2416 | | J2418 | | J2429 | | J2432 | | J2435 | | J2437 | | | |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2119   J2334

| 001202 | | J1312 | - | J1313 | - | J1314 | - | J1315 | - | J1316 | | J2125 | | J2317 | | J2436 | - | J2437 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1209

| 001203 | | J1312 | - | J1313 | - | J1314 | - | J1315 | - | J1316 | | J1319 | | J1321 | | J1325 | J2115 |
| | | J2333 | | J2530 | | | | | | | | | | | | | |

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2318

001204   J1313 - J1314   J2238   J2317   J2332 - J2333   J2416   J2421   J2429
      J2432   J2435 - J2436

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2318

001205   J2129   J2131   J2135   J2208 - J2209   J2224 - J2225   J2311   J2321
      J2326   J2337   J2340   J2342   J2402   J2409   J2501 - J2502 - J2503 -
      J2504 - J2505 - J2506 - J2507 - J2508   J2510   J2513,   J2515   J2516
      J2518

    SUBSTITUTE T1HE FOLLOWING CARD ASSEMBLIES:
      J2130   J2318

001206   J2117   J2120   J2129   J2131 - J2132 - J2133 - J2134   J2206   J2212
      J2215   J2312   J2326   J2337   J2341   J2415   J2504   J2507 - J2508

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2130   J2318

001207   J1421   J1526   J1531

001210   J1144   J1524 - J1525   J1545   J2307   J2314 - J2315   J2510

001211   J1420   J2129   J2131 - J2132   J2203 - J2204   J2206 - J2207 - J2208
      J2217   J2225   J2308   J2416   J2418 - J2419   J2507   J2536

001212   J2205   J2236   J2307   J2416

801213   J1211   J1314   J2203   J2206 - J2207

001214   J1525   J2129   J2131   J2134 - J2135   J2306   J2326   J2402   J2406
-    J2407   J2409 - J2410   J2418   J2505   J2508 - J2509   J2511   J2514 -
      J2515 - J2516   J2523   J2530 - J2531

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2130

001215   J1522   J1531   J2302   J2305 - J2306 - J2307   J2310   J2328   J2337
      J2401   J2409   J2506   J2512   J2514 - J2515 - J2516   J2519   J2523

001216   J1420   J1521   J2132   J2203 - J2204

001217   J1518   J1525   J1535   J1537   J2131 - J2132   J2224 - J2225   J2301
      J2402   J2404   J2407   J2415   J2421   J2504 - J2505   J2507 - J2508 -
      J2509   J2511 - J2512   J2514 - J2515 - J2516 - J2517 - J2518   J2542

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

	J2547									

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
  J2119

001228	J2328	J2342	J2401	-	J2402	J2406	-	J2407	J2420	J2513
001221	J1525	J1529	J2129		J2402	J2409	-	J2410	J2504	
001222	J1525	J2244	J2305	-	J2306	J2311	J2341	-	J2342	J2407	J2514
	J2516
001224	J2129	J2131	-	J2132	J2224	J2308	J2311	J2401	J2408	J2412
	J2508	J2525

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
  J2130

001225	J2332
001226	J2307	J2329
001227	J1535	J2206	-	J2207	J2218	J2221	J2307	-	J2308	J2310	-	J2311
	J2313	-	J2314	-	J2315	-	J2316	J2329	J2408	-	J2409	J2411	-	J2412
	J2440	-	J2441	-	J2442	J2505	J2507	J2517	J2524	-	J2525	J2528
	-	J2529	J2531
001230	J1420	J2213	J2307	-	J2308	J2401	-	J2402	J2404	J2407	J2416
	J2427	J2431	J2508	J2512	-	J2513	-	J2514	J2516	J2536
001231	J1531	J2407	J2410	J2412	J2513

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
  J2413

001233	J1532	J2329	J2427	J2505	J2507	J2509	J2511	J2517	-	J2518
001235	J2410
001236	J1526	J2129	J2304	J2306	J2441
001237	J1341	J1419	J1428	-	J1429	J1433	-	J!434	-	J1435	J2304	J2328
	J2404	J2406	-	J2407	J2504	J2512	-	J2513	-	J2514	J2516	J2537
001241	J1425	-	J1426	-	J1427	J1542	J2402	J2537	J2539	-	J2540	-	J2541
001242	J2508

001243 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
  J1215   J1217   J1220

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

```
001244    J2304      J2508      J2512      J2516

001245    J2508

001247    J1435      J1526      J1528      J2205      J2217  -  J2218      J2540

001250    J2401      J2505      J2508      J2513

001252    J2514      J2516

001253    J1521      J1525      J1528  -  J1529      J1531      J1538  -  J1539      J2310      J2328
          J2330      J2428      J2501      J2504  -  J2505      J2507      J2517      J2527

001254    J1419

001255    J1216      J2134      J2216      J2341  -  J2342  -  J2343  -  J2344      J2346      J2418
          J2421  -  J2422      J2426      J2441      J2527      J2529  -  J2530

001256    J1531      J2208

001257    J1314      J1341      J1420      J1522      J1524      J1538      J2106      J2117      J2122
       -  J2123  -  J2124      J2129      J2131  -  J2132  -  J2133  -  J2134      J2209      J2215
          J2224      J2323      J2326      J2337  -  J2338      J2342      J2346      J2401      J2404
          J2427      J2501  -  J2502  -  J2503  -  J2504  -  J2505  -  J2506      J2508  -  J2509
          J2512  -  J2513      J2516  -  J2517  -  J2518      J2530

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2136      J2136      J2520

001260    J2133

001261    J1314

001262    J2501  -  J2502  -  J2503  -  J2504      J2507  -  J2508      J2517  -  J2518

001264    J2121      J2124      J2126  -  J2127  -  J2128

001265    J1417      J2124      J2126      J2323      J2501  -  J2502  -  J2503  -  J2504  -  J2505
       -  J2506
          J2508      J2517

001266    J2129      J2212      J2244      J2311      J2441

001267    J1421  -  J1422  -  J1423      J1514      J1526      J2204      J2210      J2230      J2306
          J2308      J2310      J2331      J2504      J2507

001272    J2230      J2501      J2503  -  J2504      J2506
```

Change 4   2-82

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

001273	J2322	-	J2323	J2410	J2583					
001275	J2510									
001276	J2501		J2503							
001277	J2322	-	J2323	J2501	J2503					
001302	J2501		J2503							
001303	J2322	-	J2323	J2506						
001306	J2503		J2505	-	J2586					
001307	J2322	-	J2323	J2404	J2501	-	J2582	-	J2583	
001312	J2584									
001313	J2322	-	J2323	J2501						
001316	J2501		J2503	-	J2504					
001317	J2322	-	J2323	J2501	-	J2502	-	J2503	-	J2504
001322	J2501		J2506							
001323	J2322	-	J2323	J2502						
001327	J2322	-	J2323	J2404	J2501	-	J2502	-	J2503	- J2504
001332	J2504									
001333	J2322	-	J2323	J2501	J2505					
001337	J2502		J2504							
001366	J2310									
001367	J2302		J2305	-	J2306	J2308	J2310	J2315	J2405	
001372	J2310		J2315							
001407	J1531									
001410	J1144									
001445	J1536									
001466	J2310									

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

```
001467    J2302      J2305   -  J2306     J2308      J2310      J2315      J2405      J2511

001472    J2310      J2315

001541    J1531

001665    J2122

001666    J1131      J1338      J1420   -  J1421     J1451      J1525   -  J1526      J1528      J1535
          J2129      J2131      J2133   -  J2134     J2317      J2326      J2331      J2333      J2338
          J2341   -  J2342      J2422      J2438     J2535      J2540

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220      J1221      J2130      J2318

001667    J1214      J1537      J1543      J2301     J2304      J2317      J2326      J2338   -  J2339
          J2342      J2401      J2509      J2515     J2525

001670    J1211      J1229      J1239      J1313   -  J1314     J1316      J1339      J1346      J1431
          J1436      J31514     J1518   -  J1519     J1524      J1528   -  J1529   -  J1530   -  J1531
          J1532      J1538   -  J1539   -  J1540     J1542   -  J1543     J2111      J2113      J2125
       -  J2126      J2135      J2209      J2213     J2217      J2221      J2224      J2227      J2235
          J2241      J2245      J2302      J2305     J2308      J2310   -  J2311   -  J2312      J2314
         -J2315   -  J2316      J2319      J2323     J2326      J2331   -  J2332   -  J2333      J2338
          J2341   -  J2342      J2402      J2405   -  J2406     J2415      J2422      J2425      J2432
          J2441      J2501   -  J2582   -  J2503     J2505      J2512      J2528      J2544

001702    J1543      J2125

001703    J1138      J2348

001704    J1425

001707    J1340      J1425      J1431      J1433   -  J1434   -  J1435     J1514      J1517      J1538
       -  J1539      32107      J2109      J2111     J2113      J2331      J2429      J2446   -  J2447

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215

001710    J1426

001711    J1426

001713    J1235      J1340      J1535

001714    J1410      J1431      J1433      J1436     J1538   -  J1539   -  J1540     J1542      J2386
          J2310      J2325      J2328   -  J2329     J2348      J2401   -  J2402     J2406      J2489
          J2506      J2508   -  J2509   -  J2510   -  J2511   -  J2512   -  J2513   -  J2514   -  J2515
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

- J2516	J2519	J2523	J2526	J2528	J2530	- J2531	J2546		

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
 J1430

001716	J1340	J1429	J1436	J1539	J1542	J2509	J2511

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
 J1430

001717	J2109	J2111		
001720	J1410	J1542	J2509	J2511
001721	J1513			
001722	J1426	J1433	J1538	- J1539

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
 J1430

001724	J1410	J1542	J1545	J2509	J2511
001725	J1540				
001727	J1540				
001731	J1426	- J1427	J1513	- J1514	
001732	J1410	J1432	J1539		

SUBSTITUE THE FOLLOWING CARD ASSEMBLIES:
 J1430

001733	J1427			
001734	J1410	J1433	J1542	J2511	J2514
001735	J1426	J1540			
001737	J1540				
001740	J2120				
001741	J1514	J1540			

Change 4   2-85

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

STOP									
001743	J1540								

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1215

001744	J1532	J1542							
001745	J1514								
001746	J1542	J1551							
001747	J1539								
001750	J2410	J2526	-	J2527	J2529				
001751	J2440	J2538							

001752   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1215   J1219   -   J1220

001755	J2538	J2546							

001756	J1224	J1433	J1514	J1530	- J1531	- J1532	J1535	- J1536	J1538
	- J1539	J1542	J2134	J2202	J2306	J2310	- J2311	- J2312	J2314
	- J2315	J2317	J2402	J2411	J2428	J2430	J2506	J2510	- J2511
	- J2512	J2514	- J2515	- J2516	J2519	J2526	- J2527	J2529	- J2530
	- J2531								

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1289

001757	J1431	J1435	J1518	J1521	J1530	J1535	J1539	J2106	J2108
	J2122	J2208	J2311						
	001760	J1542	J2515						

001762	J1539	J1542	J2208	J2510	J2538				
001763	J1433	J2207	J2509	J2515	- J2516				

001764   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1219

001765	J1451	J1529	J1531	J2548					
001767	J1141	- J1142	J2245	J2247	J2436	J2443	J2448		

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

001777   J2189
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2130

002000   J2109   J2114   J2116   J2123   J2333

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2335   - 32336

002377   J2123

003776   J2109

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2130

003777   J2109

004000   J2112   J2115   - 32116   J2333

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2335   -   J2336

004041   J1532   31545

004105   J1516

004107   J1516

006752   J2419

081800   J2112   J2115   J2117   J2333

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2335   -   J2336

010173   J1517

011146   J1516

012000   J1529   J1542

012030   J1151   J1419

017770   J2421   J2542

020000   J2112   J2114   J2117   J2333

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

STOP	\	CONNECTORS	\	\
	J2335	-	J2336	
020200	J2342			
	028487	J1517		
021620	J2103			
021720	J2111			
021750	J2111			
021770	J2115			
022000	J2111			
022020	J2113			
022030	J2114			
022087	J2107			
022100	J2107			
022120	J2108			
024041	J1532			
026055	J1412	J1418	- J1419	J1537
030880	J1533			
030081	J1513	J1517		
030020	J2531			
033000	J1225			
033041	J1524			
033105	J2122			
034100	J1326			
035102	J2123			
037770	J1412			
040000	J2112	J2115	- J2116	J2333

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2335   -   J2336

040003   J1517

041554   J1407

042002   J2123

042004   J1228   -   J1229   -   J1230   J1428

042036   J2123

042300   J2123

042377   J2123

042530   J2103

043100   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1404

050001   J1513   J1517

050006   J2125

051002   J1512   J1517

5100884   J1533

053000   J1427

053037   J1435

053043   J1433

054367   J1515

057374   J1519

060000   J2125   -   J2126

061000   J2544

061001   J1535

061002   J1512   J1516   -   J1517

061542   J1515   J1519

Change 4   2-49

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

STOP					
061633	J1515				
061664	J2431				
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J1404				
064040	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J1218				
064041	J1111				
064724	J1406				
065537	J1406				
070000	J2125	-	J2126	J2323	J2501	J2506
87880013	J2116				
0710B3	J1513	J1516			
071004	J1532	-	J1533	J2530	
072001	J1512	-	J1513	J1515	J1517
072002	J1516				
073000	J1433	J2505	J2507	J2517	
073045	J1339	J1427	J1543	J2415	
073046	J2244				
073057	J1526				
074000	J1338	J1529			
074003	J2332				
074031	J2107				
074040	J1535				
074041	J1111	J1530			
074102	J2122				

Change 4   2-90

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
075135    J2418

100000    J1138      J1338  -  J1339  -  J1340    J1410    J1417    J1425  -  J1426  -  J1427
        - J1428  -  J1429     J1431     J1433    J1436    J1514    J1517     J1519     J1525
          J1528     J1531  -  J1532  -  J1533    J1535    J1538  -  J1539  -  J1540     J1542
          J1551     J2185     J2108     J2112  -  J2113  -  J2114    J2116  -  J2117     J2122
          J2125     J2202     J2204  -  J2205  -  J2206    J2215    J2217     J2333     J2406
          J2440     J2446     J2505     J2507    J2517    J2545

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1444      J2214     J2335  -  J2336

100010    J1533      J2224     J2440  -  J2441    J2446

100002    J1530

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1219

100050    J1542

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215

100120    J1526

100140    J1410      J1436     J1539  -  J1540    J1542

100150    J1410      J1436     J1514     J1539    J1542

100160    J1410      J1426  -  J1427     J1512    J1531    J1538    J1542

100170    J1339      J1426     J1543

100400    J2438

103037    J1515

103734    J1515

105051    J2183

110000    J1340      J1410     J1426     J1428    J1432    J1436    J1506    J1510    J1519
          J1532      J1535     J1538     J1542    J2112    J2114    J2117    J2333

110010    J2430

110170    J1410      J1433     J1514     J1540    J1542
```

Change 4   2-91

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

111111	J2111	J2114	J2116	J2329	
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:				
	J1234	J1311	J1584		
120600	J1425	J1428	J1432	J1538	J2229
126328	J2183				
130010	J1144				
141231	J2442				
142016	J2123				
142077	J2123				
143072	J2544				
143231	J2407				
154003	J2188				
174845	J2111				
175100	J2121	J2123	J2262 2		
175102	J2128				
177100	J2419				
177137	J2419				
200000	J2112	J2115	J2117	J2125	
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:				
	J2335	-	J2336		
200120	J1151				
200140	J1436				
200160	J1531				
220500	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:				
	J2345				
264550	J2125				
300150	J1514				

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS **IOU OFF** **CPU OFF**
DIAGNOSE STATUS **IOU OFF** **CPU OFF**

STOP   CONNECTORS

310170	J1514				
315326	J1536	-	J1537		
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:				
	J1439				
347801	J2117				
364104	J2112				
374000	J2113				
374045	J2111	J2113	-	J2114	J2230	J2333	J2348
374182	J2122				
374104	J2112				
374134	J2418				
375153	J2108				
377110	J2103	J2430			
377112	J2227				
400000	J1511	J2112	J2114	J2117	J2333
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:				
	J2335	-	J2336		
401201	J2115				
421001	J2117				
421003	J2117				
431001	J2117				
431011	J2116				
581780	J1539	J2244			
502603	J2109	- J2110	- J2111	- J2112	
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:				
	J2130				

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

510000   J2117

510033   J2114

535000   J2116

535605   J2116

537803   J2117

688000   J2116

631287   J2116

635081   J2116

635007   J2116

635017   J2116

641554   J1412

660025   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1343   J2336

700000
```
    J1111      J1113      J1115  -  J1116      J1118      J1122  -  J1123      J1129  -  J1130
    J1132      J1138      J1144     J1148  -  J1149      J1211  -  J1212      J1214     J1225
    J1231      J1237  -  J1238     J1243  -  J1244      J1312  -  J1313      J1316     J1325
    J1338      J1341      J1344     J1347      J1350      J1406  -  J1407      J1409  -  J1410
    J1412      J1428  -  J1429     J1448  -  J1449      J1506  -  J1507      J1510     J1512
 -  J1513  -  J1514      J1528     J1531      J1533  -  J1534  -  J1535      J1537     J1546
    J1551      J2105      J2107     J2109  -  J2110  -  J2111  -  J2112      J2114  -  J2115
 -  J2116  -  J2117      J2120  -  J2121  -  J2122  -  J2123  -  J2124  -  J2125  -  J2126
    J2133      J2135      J2205     J2207      J2210      J2212  -  J2213      J2215     J2220
    J2224      J2230      J2234     J2237      J2241  -  J2242      J2247      J2303     J2305
    J2314  -  J2315  -  J2316  -  J2317      J2319      J2321      J2323      J2329     J2332
    J2338      J2340      J2342     J2344      J2348      J2404      J2406  -  J2407      J2419
    J2423  -  J2424      J2429  -  J2430  -  J2431      J2435      J2443      J2445  -  J2446
    J2503      J2507      J2509  -  J2510      J2512  -  J2513  -  J2514  -  J2515      J2517
    J2519      J2523  -  J2524      J2527      J2531      J2534      J2539  -  J2540
```

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
    J1121      J1289      J1215      J1218  -  J1219      J1234      J1310  -  J1311      J1343
    J1404      J1430      J2119      J2136      J2318      J2334      J2336      J2345      J2433
    J2520
```

700001
```
    J1212      J1226      J1326      J1330      J1411      J1418      J1420      J1425      J1427
 -  J1428  -  J1429      J1432      J1514      J1521      J1523  -  J1524  -  J1525  -  J1526
    J1528      J1538      J2108      J2126  -  J2127      J2131  -  J2132      J2205      J2211
    J2224      J2227      J2229      J2233      J2306      J2308      J2310      J2319      J2340
```

Change 4   2-84

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

```
STOP
        J2402      J2405    J2415    J2419  - J2420  - J2421    J2425    J2437  - J2438
        J2440  -   J2441    J2444  - J2445  - J2446  - J2447  - J2448    J2510    J2518
        J2534  -   J2535    J2537    J2540  - J2541

700002  J1114      J1122    J1125    J1129  - J1130    J1136    J1142    J1147    J1151
        J1210      J1214    J1225    J1237    J1320  - J1321    J1326    J1330    J1336
        J1339  -   J1340    J1407    J1411    J1417  - J1418  - J1419  - J1428    J1423
        J1507      J1509    J1512    J1515  - J1516  - J1517  - J1518  - J1519    J1528
    -   J1529  -   J1530  - J1531  - J1532  - J1533  - J1534  - J1535  - J1536  - J1537
        J1539      J1543    J1549  - J1550  - J1551    J2104  - J2105    J2107  - J2108
        J2111      J2113    J2116  - J2117    J2120  - J2121    J2123  - J2124  - J2125
    -   J2126  -   J2127  - J2128    J2132  - J2133  - J2134  - J2135    J2202  - J2203
    -   J2204  -   J2205  - J2206    J2210    J2213    J2215  - J2216  - J2217  - J2218
    -   J2219  -   J2220  - J2221    J2222  - J2223  - J2224  - J2225  - J2226  - J2227
        J2229  -   J2230  - J2231    J2236    J2240  - J2241  - J2242    J2244  - J2245
        J2301  -   J2302    J2305  - J2306  - J2307  - J2308  - J2309  - J2310  - J2311
        J2314  -   J2315    J2317    J2319    J2325  - J2326    J2330  - J2331    J2337
    -   J2338  -   J2339  - J2340  - J2341    J2343  - J2344    J2346    J2348    J2401
    -   J2402      J2404    J2406  - J2407  - J2408  - J2409  - J2410    J2415  - J2416
    -   J2417  -   J2418  - J2419  - J2420  - J2421  - J2422  - J2423  - J2424  - J2425
    -   J2426  -   J2427    J2429  - J2430  - J2431  - J2432    J2435    J2437  - J2438
    -   J2439  -   J2440  - J2441  - J2442  - J2443  - J2444  - J2445  - J2446  - J2447
    -   J2448      J2501  - J2502    J2504    J2509    J2511    J2515  - J2516    J2518
        J2523      J2526    J2530  - J2531    J2534  - J2535  - J2536  - J2537  - J2538
    -   J2539  -   J2540  - J2541  - J2542  - J2543  - J2544  - J2545  - J2546  - J2547

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1215      J1217  - J1218  - J1219  - J1220    J1221    J1404    J1444    J2136
        J2214      J2336    J2433

700003  J1111      J1138    J1314    J1330  - J1331    J1338    J1341    J1405  - JI406
        J1409  -   J1410  - J1411  - J1412    J1416    J1422  - J1423    J1425  - J1426
        J1427  -   J1428  - J1429    J1431  - J1432  - J1433    J1435  - J1436    J1505
        J1508      J1514    J1517  - J1518  - J1519    J1524  - J1525  - J1527  - J1528
    -   J1529  -   J1530  - J1531  - J1532  - J1533  - J1534  - J1535  - J1536  - J1537
    -   J1538  -   J1539  - J1540    J1542  - J1543    J2106    J2108    J2113    J2115
    -   J2116      J2121  - J2122    J2124    J2126    J2129    J2131  - J2132  - J2133
    -   J2134  -   J2135    J2202  - J2203  - J2204  - J2205    J2209  - J2210  - J2211
    -   J2212      J2218    J2221    J2223  - J2224  - J2225    J2232    J2234    J2236
        J2242      J2301  - J2302    J2304  - J2305  - J2306  - J2307  - J2308  - J2309
        J2312  -   J2313    J2315    J2317    J2328  - J2329  - J2330    J2333    J2337
        J2340      J2343    J2401  - J2402    J2405  - J2406  - J2407    J2409    J2412
        J2416      J2419    J2430  - J2431  - J2432    J2436    J2501    J2505    J2507
    -   J2506      J2510  - J2511  - J2512  - J2513  - J2514  - J2515  - J2516    J2523
        J2530      J2534  - J2535  - J2536  - J2537  - J2538  - J2539  - J2540    J2542
    -   J2543  -   J2544  - J2545  - J2546  - J2547  - J2548

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1218      J1221    J1310  - J1311    J1404    J1430    J1439    J2119    J2130
        J2136      J2318    J2335  - J2336
```

Change 4   2-95

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

700004	J1421	J1526	J2208	J2311	- 32312	32314	J2317	J2402	J2407
	J2438	J2523							

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2318

700685	J1330	J1419	- J1420	J1517	J31520	- J1521	J1524	J1531	J2122
	J2124	J2442	J2539	J2544					
700006	J1136	J1419	J2121	J2124	J2125	J2502			
706807	J1516	J2505	J2507	J2518					
708018	J2523								
700011	J1115	J1138	J1136	J31139	J1213	J1420	J1431	J2236	J2510

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2433

700012	J1136								
700013	J1420	- J1421	J1427	J2210	- J2211	J2224	- J2225	J2346	J2421
	J2501								
700014	J2421								
700015	J1516	J2412	J2503	J2505	J2507	J2510	J2518	J2541	
700016	J2505	J2513							
700017	J2223	J2308	J2410	- J2411	J2415	J2419	J2430	J2515	J2523
700020	J1226	- J1227	J2117	J2209	J2212	J2223	J2225	J2302	J2305
	J232E	J2329	J2409	J2412	J2509	- J2510	J2513	J2516	J2523
	J2537								
700021	J1411	J1419	- J1420	J1531	J2223	J2236	J2238	J2242	
700022	J2538								
700024	J1405	J2337	J2421						
700025	J1516	J2425	J2505	J2507	J2511	J2518			
700027	J2440	J2443	J2448						
700030	J2425								
700031	J1235	J2120	J2123	J2125					

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
700033   J1213     J2210     J2425     J2546

700035   J2437

700037   J1115     J1213     J1235     J2306     J2308       J2503       J2509       J2517

700040   J1115     J1507     J1512     J1517     J2204     J2206 -  J2207     J2209 - J2210
         J2213     J2217     J2223     J2242     J2302     J2305    J2329 - J2330 - J2331
       - J2332     J2407     J2419     J2430     J2503     J2505    J2507     J2509 - J2510
         J2517 -   J2518

700041   J1140     J2120     J2236

700043   J1425     J1436     J1535     J2310

700045   J1517     J2425     J2505     J2507     J2518

700051   J2230

700053   J2210

700054   J1410     J2111     J2430     J2435     J2437       J2440       J2442       J2447

700057   J2223     J2306     J2308     J2323     J2343 -   J2344    J2507     J2509 - J2510

700060   J1507     J1512     J1516     J2302     J2305     J2329 -  J2330 - J2331 - J2332
         J2337     J2407     J2415     J2503 -   J2504 -   J2505    J2507     J2510 - J2511
         J2517 -   J2518

700061   J1427     J1429     J1432     J1436     J1527     J1538    J2120     J2122     J2202
         J2204     J1210     J2238     J2322 -   J2323     J2402    J2404     J2409     J2441
         J2502 -   J2503 -   J2504 -   J2505 -   J2506     J2510    J2516     J2539

700062   J1331     J2121     J2123     J2126     J2322 -   J2323    J2501 -   J2502 - J2503
       - J2504     J2506

780063   J2322     J2489     J2412

780064   J2322 -   J2323     J2416     J2501 -   J2582 -   J2503    J 32504   J2506

700065   J2322     J2513

700066   J2322 -   J2323     J2501 -   J2502     J2506       J2544

         SUBSTITUTE THE FOLLOWING CPRD ASSEMBLIES:
         J2334

700067   J2322
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF									
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**									

STOP   CONNECTORS

```
70007 0    J1412       J1507       J1512       J1516       J2322   -   J2323       J2329   -   J2330   -   J2331
           J2333       J2421       J2501   -   J2502   -   J2503       J2505   -   J2506   -   J2507       J2509
       -   J2510       J2517   -   J2518

700071     J1338       J2120       J2322

7660072    J2125       J2126       J2322   -   J2323       J2501       J2503   -   J2504       J2506

760073     J2306       J2322       J2501       J2503   -   J2504

780074     J1413       J158        J1512       J1516       J2322   -   J2323       J2329   -   J2330   -   J2331
           J2333       J2421       J2501   -   J2502   -   J2503   -   J2504   -   J2505   -   J2506   -   J2507
           J2510   -   J2511       J2517   -   J2518

780075     J1517       J2322       J2418

700076     J1508       J1513       J1516       J2322   -   J2323       J2329   -   J2330   -   J2331       J2333
           J2404       J2417       J2422   -   J2423       J2438       J2445   -   J2446       J2501   -   J2502   -
           J2503   -   J2504   -   J25065  -   J2506   -   J2507       J2511       J2517   -   J2518

700077     J1525       J1533       J2306       J2322       J2501   -   J2502   -   J2503   -   J2504       J2510
       J2517

700100     J1326       J1340   -   J1341       J1411   -   J1412   -   J1413       J31416      J1419       J1421
       -   J1422   -   J1423   -   J1424   -   J1425       J1428       J1431       J1432   -   J1433   -   J1434
       -   J1435       J1507       J1512       J1516   -   J1517   -   J1518   -   J1519       J1521       J1526
           J1528   -   J1529   -   J1530   -   J1531   -   J1532       J1534   -   J1535   -   J1536   -   J1537
       -   J1538   -   J1539       J1542       J2106       J2120   -   J2121       J2123       J2127       J2202
           J2215       J2217   -   J2218   -   J2219       J2223       J2301       J2315       J2415       J2418
       -   J2419       J2429       J2430       J2437       J2442       J2444   -   J2445       J2511       J2512
           J2514       J2516       J2534   -   J2535   -   J2536   -   J2537       J2539       J2541   -   J2542

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1430

700110     J1515

700114     J1529       J1535   -   J1536       J2223

760400     J2117

7600525    J2125

704203     J1123

720000     J2117

731203     J2116

735005     J2116
```

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF		
DIAGNOSE STATUS	IOU OFF	CPU OFF		

STOP   CONNECTORS

STOP					
735015	J2116				
736077	J1536				
737000	J2116				
737003	J2117				
737004	J2116				
740502	J2127				
77008802	J2122				
771014	J2116				
774045	J2111	J2113	J2333	J2348	
774501	J2114				
774525	J2123				
775213	J2116				
777003	J2114 -	J2115	J2117		
777010	J2116				
777012	J2116				
777014	J2116				
777200	J2116				
777777	J2110 -	J2111	J2114	J2116	J2329

Change 4   2-99

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

STOP								
000000	J2111	J2116	J2329	J2331				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2335

| 000003 | J1130 | J1235 | J1413 | J1534 J1548 | | J2104 | J2124 | J2208 | J2240 |
| | J2338 | J2340 | J2421 | J2504 | J2540 | | | | |

000084	J2317	J2421
000005	J2317	J2530
008007	J1314	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1221

000010	J1314	J2231	J2435	J2537	-	J2538	J2541
000011	J1313	-	J1314	J2105	J2114	J2333	J2432

000012	J2317	J2530
800020	J1341	
000033	J2530	
000050	J1519	
000057	J2110	
000070	J2220	
000077	J2114	-	J2115
008111	J2115	
000203	J2317	
000350	J1432	J2326	J2542
000352	J1431	
000442	J1406	J1515	J1519

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1464

| 000771 | J1214 | J1229 | J1235 | J1527 | - | J1528 | - | J1529 | J1532 | J1537 | J2110 |
| | J2112 | JJ2115 | J2127 | JJ2129 | | J2134 | | J2208 | J2219 | J2231 | J2316 |

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS		IOU OFF	CPU OFF					
DIAGNOSE STATUS		**IOU OFF**	**CPU OFF**					

STOP   CONNECTORS

	J2321	J2341	J2406	J2418	J2429	J2430	J2432	J2446	J2505
	J2518 - J2519	J2524						
000772	J1349	J1530	J1543	J1545	J2103	J2111	J2127	J2134	J2231
	J2240 - J2241	J2310	J2324	J2337	J2412	J2514		
008773	J2517							
000774	J1518							
080775	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J2413							
000776	J1144	J2410						
008777	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J2336							
001000	J2306	J2428	J2545					
081002	J1139	J1419	J1423	J1514 - J1515	J1527	J1533	J2108	J2112
	J2115	J2241	J2305	J2315	J2321	J2402	J2523	J2531
001003	J1143	J1548	J2126	J2305	J2415			
001005	J2111	J2331						
0B1006	J2135							
001010	J2429							
001011	J2306	J2517						
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J1234							
001670	J1539	J1542	J2126					
001702	J1543	J2305	J2342	J2415	J2432			
001703	J1425	J1436	J1538	J2105				
001707	J1425	J2106 - J2107	J2113	J2122 - J2223				
001713	J1410	J1540						
001715	J1436							
001721	J1539							

TABLE 2-2. CPU FAULT LOCATION

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   CONNECTORS

001753	J2106	J2122
001754	J2106	
001755	J1425	
001764	J1339	J1538

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1215

| 001767 | J1425 | J1539 | J2108 | J2122 | J2208 | J2301 | J2302 | J2304 | - | J2305 |
| | - J2306 | J2404 | J2440 | - J2441 | J2535 | J2542 | - J2543 | - J2544 | | J2547 |

| 001770 | J2106 | |
| 002420 | J2438 | J2546 |

004420	J1117	J31130	J1132	J1137	- J1138	J1141	- J1142	J1146	J1210
	J1240	J1316	J1319	J1434	J1445	J1449	- J1450	J1514	J1517
	J1524	J1526	J1529	J1532	J1551	J2113	J2115	J2126	J2127
	J2131	J2207	J2215	J2217	J2220	- J2221	J2224	- J2225	J2230
	J2233	J2301	J2310	J2323	- J2324	J2330	J2333	J2337	J2348
	J2402	J2416	J2430	J2501	- J2502	- J2503	J2506	J2513	J2519
	J2529	J2534	- J2535	- J2536	J2539				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1217

010050	J2547	
018111	J2117	
011011	J2115	
011111	J2112	J2116	J2333
020033	J2317	J2435	- J2436	- J2437	J2524
074004	J1533	
074020	J1524	
074040	J1345	- J1346	- J1347	J2205	J2317	J2412
101111	J2112	J2115
101133	J31130	J2223	J2304	J2340
103001	J1216	J1227

Change 4   2-102

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS DIAGNOSE STATUS	IOU OFF IOU OFF	CPU OFF CPU OFF		
STOP				CONNECTORS
110033	J2114			
110111	J2109	J2114	J2117	J2332
111611	J2109	J2113 - J2114	J2116	
111161	J2116			
111111	J2503			
111113	J2108	J2169	J2111	J2116
111115	J2107	J2109	J2116	
111131	J2109	J2111		
111151	J2109	J2113	J2117	
111311	J2109	J2113	J2116	
111511	J2109	J2111		
113111	J2109	J2114	J2116	
115111	J2112	J2115 - 2116		
131111	J2117			
151111	J2112	J2115 - J2116		
17400664	J1411	J1531		
174030	J1525			
268500	J1129			
311111	J2112	J2115	J2117	
320243	J1341			
377777	J2112	J2114	J2117	J2333

406000   J1116   J1240   J1336   J1446   J1551   J2115   J2233   J2246   J2305
          J2323   J2344   J2419   J2429   J2438   J2535

400400   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2433

400433   J2424

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**

STOP   CONNECTORS

```
404500    J1243

500450    J2333

510000    J1528     J2316     J2327     J2428

510004    J2317     J2333     J2421     J2432     J2513

510885    J2317     J2530

510618    J1314     J2231     J2435     J2537     J2541

510012    J2317     J2530

510021      J31114   J1116  - J1117  - J1118    J1122    J1124  - J1125    J1128    J1130
         -  J1131  - J1132    J1136  - J1137  - J1138  - J1139  - J1140    J1142  - J1143
            J1147  - J1148    J1150    J1210  - J1211  - J1212  - J1213  - J1214    J1216
            J1223  - J1224  - J1225  - J1226    J1228  - J1229  - J1230    J1235  - J1236
         -  J1237    J1239    J1243  - J1244  - J1245  - J1246    J1312  - J1313    J1315
         -  J1316    J1321    J1325    J1335  - J1336  - J1337  - J1338  - J1339    J1348
         -  J1349    J1410    J1413    J1419  - J1420  - J1421  - J1422    J1425  - J1426
         -  J1427  - J1428    J1433    J1435  - J1436    J1445    J1447  - J1448    J1450
            J1511  - J1512    J1514  - J1515  - J1516  - J1517  - J1518    J1521    J1525
         -  J1526  - J1527  - J1528  - J1529  - J1530  - J1531  - J1532  - J1533  - J1534
         -  J1535  - J1536  - J1537  - J1539  - J1540    J1543    J1548  - J1549    J1551
            J2106    J2108  - J2109  - J2110  - J2111  - J2112  - J2113  - J2114  - J2115
            J2120    J2123    J2126    J2128  - J2129    J2131  - J2132  - J2133  - J2134
         -  J2135    J2202  - J2203    J2206  - J2207    J2209  - J2210    J2212  - J2213
            J2215  - J2216    J2219    J2221    J2226  - J2227    J2229  - J2230  - J2231
         -  J2232  - J2233  - J2234  - J2235  - J2236    J2239    J2242    J2244    J2246
            J2248    J2301  - J2302    J2304  - J2305    J2309  - J2310  - J2311    J2313
         -  J2314  - J2315  - J2316  - J2317  - J2319    J2321    J2324    J2327  - J2328
         -  J2329  - J2330  - J2331  - J2332  - J2333    J2338  - J2339  - J2340  - J2341
         -  J2342  - J2443  - J2344    J2346    J2348    J2402    J2404    J2406  - J2407
         -  J2408  - J2409  - J2410  - J2411    J2422  - J2423  - J2424  - J2425  - J2426
            J2430  - J2431  - J2432    J2435    J2437  - J2438    J2440    J2443    J2445
            J2447    J2501  - J2502  - J2503  - J2504    J2505    J2507  - J2508  - J2509
            J2513  - J2514  - J2515  - J2516  - J2517  - J2518  - J2519    J2523  - J2524
         -  J2525  - J2526  - J2527    J2529  - J2530  - J2531  - J2532    J2534  - J2535
         -  J2536    J2538    J2541    J2544  - J2545  - J2546    J2548

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1217     J2130

510023    J2344

510033      J1114    J1118    J1122    J1126    J1136    J1141    J1150    J1210  - J1211
         -  J1212    J1224    J1228    J1235    J1240    J1242    J1319    J1321    J1424
         -  J1425    J1428    J1438    J1511    J1512    J1515  - J1516    J1518  - J1519
            J1523  - J1524    J1527  - J1528    J1532  - J1533    J1536    J1540    J1543
```

Change 4   2-104

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

	J1548	J1549	J1551	J2109	- J2110	- J2111	J2113	J2115	J2120
	J2122	- J2123	J2127	- J2128	J2131	J2133	J2202	J2204	J2206
	J2208	J2219	J2224	J2231	J2240	J2246	J2301	J2305	J2307
	J2309	- J2310	- J2311	- J2312	J2316	- J2317	J2319	J2321	- J2322
	J2324	J2326	- J2327	- J2328	J2330	J2332	- J2333	J2337	- J2338
	- J2339	- J2340	- J2341	J2343	J2348	J2404	- J2405	J2410	J2412
	J2415	J2417	J2419	- J2420	J2424	J2426	J2429	J2435	J2437
	J2443	J2445	J2502	- J2503	- J2504	J2508	J2511	- J2512	- J2513
	- J2514	J2516	- J2517	J2519	J2523	J2525	J2528	- J2529	- J2530
	J2532	J2538	J2545	- J2546	J2548				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1217

510037	J2107	J2109							
510044	J2125	J2547							
518050	J1116	J1229	J1319	J1340	J1410	J1517	J1534	J2231	J2234
	J2238	J2309	J2326	J2348	J2406	J2415	J2510	J2538	J2543
511001	J2406	J2440							
511111	J2112	J2114	J2117						
514021	J2115								
514033	J2112								
534537	J1122	J1229	- J1230	J1410	J1421	J2338			
577777	J2112	J2115	J2117	J2333					
600000	J2114								
677777	J1516	J2112	J2114	J2116	J2333	J2344			
700000	J1113	- J1114	- J1115	- J1116	- J1117	- J1118	J1122	- J1123	- J1124
	- J1125	- J1126	J1128	- J1129	- J1130	- J1131	- J1132	J1136	- J1137
	- J1138	- J1139	- J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
	- J1148	- J!149	- J1150	J1210	- J1211	- J1212	- J1213	- J1214	J1216
	J1223	- J1224	- J1225	- J1226	- J1227	- J1228	- J1229	- J1230	J1235
	- J1236	- J1237	- J1238	- J1239	- J1240	J1241	- J1242	- J1243	- J1244
	- J1245	- J1246	J1249	J1312	- J1313	- J1314	- J1315	- J1316	J1321
	- J1322	- J1323	J1335	- J1336	- J1337	- J1338	- J1339	J1341	J1342
	- J1343	- J1344	- J1345	- J1346	- J134?	J1349	- J1350	J1410	- J1411
	J1413	J1419	- J1420	- J1421	- J1422	- J1423	- J1424	J1426	- J1427
	- J1428	- J1429	J1431	- J1432	- J1433	- J1434	J1436	- J1437	J1441
	J1443	J1446	- J1447	- J1448	- J1449	- J1450	J1511	- J1512	- J1513
	- J1514	- J1515	- J1516	- J1517	- J1518	- J1519	J1524	- J1525	- J1526

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

```
   -  J1527  -  J1528  -  J1529  -  J1530  -  J1531  -  J1532     J1534  -  J1535  -  J1536
   -  J1537  -  J1538     J1540     J1542  -  J1543  -  J1544     J1547     J1549  -  J1550
   -  J1551     J2104  -  J2105  -  J2106  -  J2107  -  J2108  -  J2109  -  J2110  -  J2111
   -  J2112  -  J2113  -  J2114  -  J2115     J2117     J2120  -  J2121  -  J2122  -  J2123
   -  J2124  -  J2125  -  J2126     J2128  -  J2129     J2131  -  J2132  -  J2133  -  J2134
   -  J2135     J2203  -  J2204  -  J2205  -  J2206  -  J2207  -  J2208  -  J2209     J2211
   -  J2212  -  J2213  -  J2215  -  J2216  -  J2217     J2219  -  J2220  -  J2221  -  J2222
      J2225  -  J2226  -  J2227     J2229  -  J2230  -  J2231  -  J2232  -  J2233  -  J2234
   -  J2235  -  J2236     J2238  -  J2239  -  J2240  -  J2241  -  J2242  -  J2243  -  J2244
   -  J2245  -  J2246  -  J2247     J2301  -  J2302     J2304  -  J2305  -  J2306  -  J2307
   -  J2308  -  J2309  -  J2310  -  J2311  -  J2312  -  J2313  -  J2314  -  J2315  -  J2316
   -  J2317     J2319     J2321  -  J2322  -  J2323  -  J2324  -  J2325  -  J2326  -  J2327
   -  J2328  -  J2329  -  J2330  -  J2331  -  J2332  -  J2333     J2337  -  J2338  -  J2339
   -  J2340  -  J2341  -  J2342  -  J2343  -  J2344     J2346     J2348     J2401  -  J2402
      J2404  -  J2405  -  J2406  -  J2407  -  J2408  -  J2409  -  J2410  -  J2411  -  J2412
      J2415  -  J2418  -  J2419  -  J2420  -  J2421  -  J2422  -  J2423  -  J2425  -  J2426
      J2428  -  J2429  -  J2430  -  J2431  -  J2432     J2435  -  J2436  -  J2437  -  J2438
      J2441  -  J2442  -  J2443  -  J2444  -  J2445  -  J2446  -  J2447  -  J2448     J2501
   -  J2502  -  J2503  -  J2504  -  J2505  -  J2506  -  J2507  -  J2508  -  J2509  -  J2510
   -  J2511  -  J2512  -  J2513  -  J2514  -  J2515     J2517  -  J2518  -  J2519     J2524
   -  J2525  -  J2526  -  J2527  -  J2528  -  J2529  -  J2530  -  J2531  -  J2532     J2534
   -  J2535  -  J2536  -  J2537  -  J2538  -  J2539  -  J2540  -  J2541  -  J2542  -  J2543
      J2545  -  J2546  -  J2547  -  J2548
```

```
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:           "
         J1135        J1209        J1215        J1217        J1439
```

```
700001    J1421        J1423        J2227        J2313        J2323
```

```
700002    J1115  -  J1116     J1124     J1127     J1129  -  J1130     J1136     J1138  -  J1139
          J1150     J1211  -  J1212     J1214     J1216     J1230  -  J1231     J1235  -  J1236
          J1335     J1345     J1350     J1410     J1421     J1441  -  J1442  -  J1443     J1448
          J1519     J1530     J1532  -  J1533     J1542  -  J1543     J2105     J2107  - . J2108
          J2110  -  J2111  -  J2112  -  J2113     J2120     J2128     J2135     J2202     J2208
          J2215     J2224     J2234     J2236     J2238  -  J2239     J2242     J2308     J2312
       -  J2313     J2315     J2317     J2321     J2324     J2327     J2331  -  J2332  -  J2333
          J2340     J2348     J2406  -  J2407     J2410     J2415  -  J2416     J2430     J2437
          J2447     J2501     J2503  -  J2504     J2510     J2524     J2526     J2537  -  J2538
       -  J2539     J2545     J2548
```

```
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1121        J1135        J1221
```

```
700003    J1115  -  J1116  -  J1117  -  J1118     J1122  -  J1123  -  J1124  -  J1125     J1127
          J1129  -  J1130  -  J1131  -  J1132     J1136  -  J1137  -  J1138  -  J1139  -  J1148
       -  J1141     J1147  -  J1148  -  J1149  -  J1150     J1210  -  J1211  -  J1212  -  J1213
       -  J1214     J1216     J1223     J1225  -  J1226  -  J1227  -  J1228  -  J1229  -  J1230
       -  J1231  -  J1232  -  J1233  -  J1234  -  J1235  -  J1236     J1238     J1242     J1244
          J1313  -  J1314  -  J1315  -  J1316     J1322     J1325     J'335  -  J1336     J1338
       -  J1339     J1347     J1410  -  J1411     J1413     J1423     J1425     J1428  -  J1429
```

Change 4   2-106

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   CONNECTORS

```
      J1438      J1440      J1442      J1445      J1449      J1512  -  J1513  -  J1514      J1517
      J1527  -  J1528  -  J1529      J1531  -  J1532  -  J1533  -  J1534  -  J1535  -  J1536
   -  J1537      J1539      J1543      J1547      J1549  -  J1550      J2106      J2108      J2112
   -  J2113  -  J2114  -  J2115      J2120      J2122  -  J2123      J2134  -  J2135      J2205
      J2207      J2209      J2211      J2213      J2216  -  J2217  -  J2218  -  J2219      J2222
      J2225      J2227      J2230      J2236      J2241      J2301  -  J2302      J2304  -  J2305
   -  J2306  -  J2387  -  J2308      J2310  -  J2311  -  J2312      J2313  -  J2314  -  J2315
   -  J2316  -  J2317      J2319      J2322  -  J2323      J2326      J2329  -  J2330      J2332
   -  J2333      J2337  -  J2338  -  J2339      J2341  -  J2342  -  J2343  -  J2344      J2346
      J2348      J2401      J2404      J2408      J2410  -  J2411      J2415      J2421      J2426
      J2429      J2431      J2435  -  J2436      J2438      J2441      J2443      J2501  -  J2502
   -  J2503  -  J2504  -  J2505  -  J2506  -  J2507  -  J2508  -  J2509  -  J2510      J2512
   -  J2513      J2517  -  J2518      J2524  -  J2525      J2529      J2532      J2536  -  J2537
   -  J2538  -  J2539  -  J2540
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

STOP						
	J1135	J1289				
700004	J2107	J2109				
700007	J1127	J1143	J2225	J2343	J2432	
700015	J2510					
700020	J2111					
700021	J1410	J1424	J2129	J2235	J2240	J2417	J2517
700023	J2328					
700026	J2510					
700041	J1340	J2410				
700100	J2109	J2111				
700206	J2113					
700433	J2341	J2502				
701006	J2189					
718000	J2115	J2225	J2541			
710003	J2112					
710017	J1117	J2304				
710021	J1543	J2115				

TABLE 2-2. CPU FAULT LOCATION

PROGRAM LOAD STATUS　　**IOU OFF**　　**CPU OFF**
DIAGNOSE STATUS　　　　**IOU OFF**　　**CPU OFF**

STOP　　　　　　　　　　　　　　　　　　　　　　CONNECTORS

STOP						
716033	J2317					
717070	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J1430					
737777	J2112	J2115	-	J2116	J2333	
757777	J2112	J2114	J2117	J2333		
767777	J2112	J2115	J2117	J2333		
773777	J2112	J2115	-	J2116	J2333	
774512	J2526					
775777	J2109	J2114	J2116	J2333		
776067	J2331	-	J2332			
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J2334					
776777	J2109	J2114	J2117	J2332		
777000	J2107	J2111	J2113	J2115		
777377	J2109	J2111	J2113	-	J2114	J2117 J2332
777577	J2109	J2113	-	J2114	J2116	J2332
777677	J2!09	J2111	J2113	-	J2114	J2116 J2332
777737	J2109	J2111	J2113	J2117	J2331	
777757	J2109	J2111	J2113	J2117	J2331	
777767	J2109	J2111	J2113	J2116	J2331	
777773	J2107	J2109	J2111	J2113	J2116	J2331
777775	J2108	-	J2109	J2111	J2116	J2330
777776	J2111	J2116	J2330			

Change 4   2-108

TABLE 2-2. CPU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF			
DIAGNOSE STATUS	IOU ON	CPU OFF			

STOP   **CONNECTORS**

STOP								
000000	J2116	J2331	-	J2332				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2335

000044	J2115								
001003	J1530	J2436							
001007	J1451	J2436	J2441	J2443	J2447	J2546			
001016	J2444								
001017	J1315	-	J1316	J2241	-	J2242	J2538		
001024	J2438								
111111	J2110								
700000	J1315	-	J1316	J1425	J1451	J2242	J2436	J2441	J2443	-	J2447
	J2546								
700033	J2221								
777777	J2110								

Change 4   2-109

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU ON | CPU ON |

STOP   **CONNECTORS**

000001   J1547
           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1234

000817   J2309

000474   J1533

001666   J2443   J2448

001670   J1316

005101   J1547

005203   J1547

015022   J2343

034203   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1234   J2320

035203   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1215   J1217   -   J1218   -   J1219   -   J1220   -   J1221   J1234

100017   J2311   -   J2312   J2314   J2316   -   J2317   J2321   J2408   J2525   J2529
       -   J2530

101017   J1246   J1428   J1432   J2205   J2207   J2242   J2301   -   J2302   J2404
           J2435   J2440   J2534   -   J2535   J2540   J2542   J2547

111011   J2116

111111   J1408   J2116

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1121   J1310   J2214   J2345

220500   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1215

505022   J2341   J2343   -   J2344

510033   J1118

700000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1444

700003   J1551

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF				
DIAGNOSE STATUS	IOU ON	CPU ON				

STOP   **CONNECTORS**

700603   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215   J1217 - J1218 - J1219 - J1220 - J1221   J1234

740603   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215   J1217 - J1218 - J1219 - J1220 - J1221   J1234

760603   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1215   J1217 - J1218 - J1219 - J1220 - J1221

7780603   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1234

777003   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2320

777201   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2320

777777   J1210   J1514   J2236   J2238   J2420   J2422   J2436

Change 4   2-111

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU ON
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
000000   J2107      J2109      J2111      J2114  - J2115  - J2116  - J2117      J2122    J2330
         J2332

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2318

800001      J1113      J1115      J1131      J1136      J1140  - J1141  - J1142      J1148  - J1149
          - J1150    - J1151      J1211    - J1212    - J1213      J1226  - J1227      J1229    J1235
          - J1236    - J1237    - J1238      J1241    - J1242    - J1243  - J1244    - J1245    J1325
          - J1326      J1330      J1338    - J1339    - J1340    - J1341      J1347      J1350    J1406
            J1412    - J1413    - J1414    - J1415    - J1416    - J1417    - J1418    - J1419  - J1420
            J1425      J1505      J1509      J1513      J1515    - J1516      J1518    - J1519    J1536
          - J1537    - J1538      J1543    - J1544    - J1545    - J1546    - J1547    - J1548  - J1549
          - J1550      J2104      J2109    - J2110    - J2111    - J2115      J2120    - J-2121 - J2122
          - J2123    - J2124    - J2125    - J2126    - J2127      J2129      J2131      J2206  - J2207
            J2210      J2217      J2221      J2227      J2229    - J2230    - J2231    - J2232  - J2233
          - J2234    - J2235    - J2236    - J2237    - J2238    - J2239    - J2240    - J2241  - J2242
          - J2243    - J2244    - J2245    - J2246    - J2247      J2301      J2302      J2304    J2306
          - J2307      J2309    - J2310    - J2311      J2314    - J2315      J2325    - J2326    J2329
            J2333      J2337      J2401    - J2402      J2404      J2406    - J2407      J2415  - J2416
          - J2417    - J2418      J2420    - J2421    - J2422    - J2423    - J2424    - J2425  - J2426
          - J2427    - J2428    - J2429    - J2430    - J2431    - J2432      J2435    - J2436  - J2437
          - J2438      J2440    - J2441    - J2442    - J2443      J2445    - J2446    - J2447  - J2448
          - J2510    - J2511      J2515      J2527      J2532      J2535    - J2536    - J2537  - J2538
          - J2539    - J2540    - J2541    - J2542    - J2543    - J2544    - J2545      J2547  - J2548

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1234      J1404      J2119      2130       J2136      J2413

000002   J2122

000003   J1330      J1411      J1413      J1425      J2122      J2125      J2129      J2326

000006   J2122

000011   J1411      J1535    - J1536

000013   J2122

000016   J2122

000032   J2122

000037   J2223

000053   J2122

000054   J2122

000055   J2112      J2122      J2133      J2430      J2432
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS		IOU OFF	CPU ON						
DIAGNOSE STATUS		IOU OFF	CPU OFF						

STOP							**CONNECTORS**		
000181	J1531	J1535	J2106	J2230	J2244	J2302	J2306	J2308	J2415
	J2540	J2543	- J2544						
000105	J1323								
000107	J1323	J2122							
000203	J1317	J1323	J1325	J1327	J1336	- J1337	J1406	- J1407	- J1408
	J1410	J1414	- J1415	- J1416	- J1417	- J1418	- J1419	- J1420	- J1421 -
	- J1422	- J1423	- J1424	J1505	- J1506	- J1507	- J1508	- J1509	- J1510
	- J1511	- J1512	J1535	- J1536	J2106	J2209	J2213	J2346	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1310   J1343

000405	J1326								
000477	J2122								
000501	J1419	J1509	J1533	J1538	- J1539	J1542	J2106	- J2107	- J2108
	J2120	J2122	J2202	J2205	J2211	- J2212	J2221	J2226	J2234
	J2243	J2301	- J2302	J2304	- J2305	- J2306	- J2307	J2312	J2314
	J2337	J2340	J2401	J2406	- J2407	J2410	J2508	- J2509	J2511
	- J2512	- J2513	- J2514	- J2515	- J2516	J2523	J2527	J2530	J2537
000502	J2122								
000561	J2122								
0000603	J1111	J1129	J1322	J1324	J1326	J1338	- J1339	- J1340	- J1341
	J1408	J1410	- J1411	- J1412	- 1413	J1417	J1421	- J1422	- J1423
	- J1424	- J1425	- J1426	- J1427	- J1428	- J1429	J1431	- J1432	- J1433
	- J1434	- J1435	- J1436	J1505	- J1506	- J1507	- J1508	- J1509	- J1510
	- J1511	- J1512	- J1513	- J1514	- J1515	- J1516	- J1517	- J1518	- J1519
	J1521	J1524	- J1525	- J1526	- J1527	- J1528	- 31529	J1531	- J1532
	J1538	- J1539	- J1540	J1542	J2104	- J2105	J2107	- J2108	J2112
	- J2113	J2115	J2210	- J2211	J2213	J2243	J2309	J2326	- J2327
	J2411	- J2412	J2428	- J2429	- J2430	J2511	J2514	J2534	J2547
	- J2548								

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1310   J1343   J1404   J1438   J1504

000763	J1425	J1533
000765	J1518	
000771	J2419	J2425

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU ON |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

000775   J2122

001002   J2122

001061   J2122

001101   J2104   J2106   J2221   J2226   J2233   J2241   J2243   - J2244   J2301
        -   J2302   J2304   - J2305   - J2306   - J2307   J2309   J2313   - J2314   J2340
            J2343   - J2344   J2401   - J2402   J2404   J2406   - J2407   J2415   - J2416
        -   J2417   J2419   - J2420   - J2421   J2423   - J2424   - J2425   - J2426   - J2429
            J2436   - J2437   J2440   J2442   J2532   J2535   - J2536   - J2537   - J2538
        -   J2539   - J2540   - J2541   - J2542   - J2543   - J2544   - J2545   - J2546   - J2547
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2433

001203   J1314   - J1315   - J1316   - J1317   J1323   - J1324   - J1325   - J1326   - J1327
            J1336   - J1337   J1410   - J1411   - J1412   - J1413   - J1414   - J1415   - J1416
        -   J1417   - J1418   - J1419   - J1420   - J1421   - J1422   - J1423   - J1424   J1433
            J1515   - J1516   - J1517   - J1518   - J1519   - J1520   - J1521   J1523   J1531
        -   J1532   - J1533   - J1534   - J1535   - J1536   - J1537   J2105   - J2106   - J2107
        -   J2108   J2111   J2113   - J2114   - J2115   - J2116   J2205   J2213   J2220
        -   J2221   - J2222   - J2223   - J2224   J2238   J2242   J2245   - J2246   J2304
            J2308   J2346   J2408   J2431   - J2432   J2505   J2508   J2523   J2528
            J2530   J2532   J2534   - J2535   - J2536   - J2537   - J2538   - J2539   - J2540
        -   J2541   - J2542   - J2543   - J2544   - J2545   - J2546   - J2547   - J2548

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1310   J1343   J1404   J1444   J2413   J2520   J2522

001257   J2122

003017   J1516

003203   J2209

003603   J2213

004101   J1130   J1136   J1231   J1338   - J1339   J1341   J1415   J1543   J1546
        -   J1547   J2103   J2107   J2229   - J2230   J2233   - J2234   J2243   - J2244
            J2306   - J2307   - J2308   J2312   J2315   J2341   - J2342   J2346   J2415
            J2419   J2425   J243,6   J2444   - J2445   - J2446   J2535   J2543

004105   J1516

004107   J1516

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
000423    J1318      J1327  - J1328    J1338  - J1339  - J1340  - J1341    J1437  - J1438
          J1440  -   J1441  - J1442  - J1443    J1445  - J1446  - J1447  - J1448    J1451
          J1537      J1543  - J1544  - J1545  - J1546  - J1547  - J1548  - J1549    J1551
          J2103  -   J2104    J2123    J2202    J2204    J2223    J2341  - J2342  - J2343
      -   J2344      J2440  - J2441  - J2442    J2444    J2445  - J2446  - J2447

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1439

004501    J1415      J1418    J2122

005101    J1325      J1338    J1438    J1440    J1544  - J1545    J1548    J2103  - J2104
          J2106      J2122    J2221    J2226    J2229  - J2230    J2240  - J2241    J2243
          J2312      J2314    J2339  - J2340  - J2341    J2417    J2419    J2424  - J2425
          J2435      J2437  - J2438    J2440    J2444  - J2445    J2447    J2534    J2538
          J2540  -   J2541  - J2542    J2544  - J2545

005203    J1318      J1327  - J1328    J1338  - J1339    J1341    J1437  - J1438    J1440
      -   J1441  -   J1442  - J1443    J1445  - J1446    J1451    J1536  - J1537    J1543
      -   J1544  -   J1545  - J1546  - J1547  - J1548  - J1549  - J1550  - J1551    J2103
      -   J2104  -   J2105  - J2106  - J2107  - J2108    J2113    J2122  - J2123    J2205
          J2209      J2211  - J2212  - J2213    J2215    J2220  - J2221  - J2222  - J2223
      -   J2224  -   J2225    J2244    J2246    J2323    J2333    J2338  - J2339  - J2340
      -   J2341  -   J2342  - J2343  - J2344    J2346    J2410    J2431  - J2432    J2435
      -   J2436      J2438  - J2439  - J2440  - J2441  - J2442  - J2443    J2445  - J2446
      -   J2447  -   J2448    J2538  - J2539    J2543    J2545    J2548

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1439      J1444    J2344    J2433    J2520

007203    J2107

010101    J2221

014101    J2110      J2223    J2305    J2312    J2317    J2416    J2418  - J2419    J2426
          J2435      J2437    J2447

014203    J1122      J1130    J1132    J1136  - J1137  - J1138  - J1139  - J1140  - J1141
      -   J1142  -   J1143  - J1144  - J1145  - J1146  - J1147  - J1148  - J1149  - J1150
      -   J1151      J1211    J1319    J1329    J2104  - J2105    J2110    J2123    J2207
          J2216      J2223    J2246    J2342    J2344    J2346    J2435    J2437    J2440
      -   J2441      J2546

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1135

014303    J2106      J2108    J2111    J2114

015101    J1136      J2104    J2107    J2110    J2131    J2205    J2221    J2227    J2229
          J2231  -   J2232  - J2233    J2236  - J2237  - J2238  - J2239  - J2240  - J2241
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

	-	J2242	J2244	-	J2245	J2305	-	J2306	J2314		J2317		J2337		J2339		
	-	J2340	J2342		J2415	-	J2416	-	J2417	J2419	J2422	J2424	-	J2425			
	-	J2426	J2430		J2435	J2442	J2447	J2504	J2534	J2537	J2544						
015203		J1122	J1130	-	J1131	-	J1132	J1136	-	J1137	-	J1138	-	J1139	-	J1140	
	-	J1141	-	J1142	-	J1143	-	J1144	-	J1145	-	J1146	-	J1147	-	J1148	-
	-	J1150	-	J1151	J1210	-	J1211	J1213	J1226	-	J1227	-	J1228	J1231			
		J1235	J1315	J1317	J1319	J1329	J1425	J1528	J1535	J1539							
		J2104	-	J2105	J2107	-	J2108	J2110	J2204	-	J2205	J2207	J2209				
		J2211	J2213	J2220	-	J2221	-	J2222	-	J2223	-	J2224	-	J2225	J2229		
	-	J2230	-	J2231	-	J2232	-	J2233	-	J2234	-	J2235	-	J2236	-	J2237	-
	-	J2239	-	J2240	-	J2241	-	J2242	-	J2243	-	J2244	-	J2245	-	J2246	-
	-	J2248	J2308	J2333	J2341	J2343	-	J2344	J2401	-	J2402	J2435					
		J2442	-	J2443	J2445	J2448	J2504	J2527	J2536	J2539	J2543						
		J2545	-	J2546													

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1121   J1135   J1222   J2136   J2334   J2522

016203 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2345

017203   J2206   J2211 - J2212 - J2213   J2412

021203   J2223

024203   J2112

034101		J1317	J1323	J1326	J2103	J2206	J2208	J2210	J2216	J2221
		J2226	-	J2227	J2229	J2240	-	J2241	J2244	-	J2245	J2302	J2306
		J2308	J2325	J2329	-	J2330	-	J2331	J2340	J2342	J2404	-	J2405'
		J2411	J2415	J2419	J2421	-	J2422	-	J2423	J2425	J2428	-	J2429
	-	J2429	-	J2430	J2436	-	J2437	-	J2438	J2440	J2442	J2444	-	J2445
	-	J2446	J2528	J2541	-	J2542	-	J2543	-	J2544	-	J2545

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2433

034203		J1210	-	J1211	J1225	-	J1226	-	J1227	-	J1228	-	J1229	-	J1230	-	J1231
		J1235	-	J1236	-	J1237	-	J1238	-	J1239	-	J1240	-	J1241	-	J1242	-	J1243
	-	J1244	-	J1245	-	J1246	-	J1247	-	J1248	-	J1249	J1312	-	J1313	J1315
	-	J1316	-	J1317	-	J1318	-	J1319	-	J1320	-	J1321	-	J1322	-	J1323	-	J1324
	-	J1325	-	J1326	-	J1327	-	J1328	-	J1329	-	J1330	-	J1331	-	J1332	-	J1333
	-	J1334	-	J1335	-	J1336	-	J1337	-	J1338	-	J1339	-	J1340	-	J1341	-	J1344
	-	J1345	-	J1346	-	J1347	-	J1348	-	J1349	-	J1350	J1410	-	J1411	-	J1412
	-	J1413	J1416	J1419	J1421	-	J1422	-	J1423	-	J1424	-	J1425	J1433
	-	J1434	-	J1435	J1549	-	J1550	-	J1551	J2103	-	J2104	-	J2105	-	J2106
	-	J2107	-	J2108	J2112	-	J2113	-	J2114	-	J2115	J2120	J2122	-	J2123
		J2129	J2131	-	J2132	-	J2133	J2202	J2204'	J2207	J2210	-	J2211
	-	J2212	-	J2213	J2215	-	J2216	-	J2217	-	J2218	-	J2219	-	J2220	J2222

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
        -  J2223  -  J2224      J2226  -  J2227      J2229  -  J2230  -  J2231  -  J2232  -  J2233
        -  J2234  -  J2235  -  J2236      J2239      J2241  -  J2242  -  J2243      J2246  -  J2247
        -  J2248     J2302      J2305  -  J2306  -  J2307  -  J2308  -  J2309  -  J2310  -  J2311
        -  J2312     J2314      J2316      J2319      J2321  -  J2322  -  J2323  -  J2324  -  J2325
        -  J2326  -  J2327  -  J2328  -  J2329  -  J2330  -  J2331  -  J2332  -  J2333      J2341
           J2343     J2401      J2404  -  J2405  -  J2406  -  J2407  -  J2408  -  J2409  -  J2410
        -  J2411  -  J2412      J2415  -  J2416      J2426  -  J2427  -  J2428  -  J2429  -  J2430
           J2432     J2435  -  J2436      J2439      J2442  -  J2443      J2445  -  J2446      J2504
        -  J2505     J2507  -  J2508      J2510  -  J2511  -  J2512      J2514  -  J2515      J2523
           J2526  -  J2527  -  J2528  -  J2529  -  J2530  -  J2531  -  J2532      J2536      J2543

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1222     J1234     J1310     J1342  -  J1343     J2119     J2130     J2136     J2214
           J2318     J2320     J2334     J2413     J2433     J2520     J2522

034303     J2107

035101     J1213     J2103  -  J2104     J2107     J2203     J2205     J2217     J2221     J2223
           J2226  -  J2227     J2229  -  J2230  -  J2231  -  J2232  -  J2233     J2235     J2237
           J2239     J2241     J2243     J2244     J2301     J2304  -  J2305     J2309  -  J2310
           J2312  -  J2313  -  J2314     J2316     J2339  -  J2340  -  J2341  -  J2342  -  J2343
        -  J2344     J2407     J2410     J2416  -  J2417     J2419     J2421     J2423     J2426
        -  J2427     J2430     J2435  -  J2436     J2440  -  J2441     J2535  -  J2536     J2541
        -  J2542     J2547

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J2136

035203     J1113     J1123  -  J1124  -  J1125  -  J1126  -  J1127  -  J1128  -  J1129     J1132
           J1140  -  J1141     J1143     J1145  -  J1146     J1148  -  J1149  -  J1150  -  J1151
           J1210  -  J1211     J1213  -  J1214     J1216     J1223  -  J1224     J1226  -  J1227
        -  J1228     J1230  -  J1231     J1235  -  J1236  -  J1237     J1238  -  J1239  -  J1240
        -  J1241  -  J1242  -  J1243  -  J1244  -  J1245  -  J1246     J1247  -  J1248  -  J1249
           J1324     J1334  -  J1335     J1337     J1344  -  J1345  -  J1346  -  J1347     J1348
        -  J1349  -  J1350     J1529     J1532  -  J1533     J2103  -  J2104  -  J2105  -  J2106
           J2107  -  J2108     J2110  -  J2111     J2113  -  j2114     J2117     J2123     J2126
           J2132  -  J2133     J2284     J2205     J2207     J2209  -  J2210     J22'12    J2213
           J2215  -  J2216  -  J2217  -  J2218  -  J2219  -  J2220  -  J2221  -  J2222  -  J2223
        -  J2224  -  J2225     J2229  -  J2230  -  J2231  -  J2232  -  J2233     J2241  -  J2242
        -  J2243  -  J2244     J2246  -  J2247  -  J2248     J2302     J2306     J2311  -  J2312
           J2314     J2315     J2317     J2327     J2341     J2343  -  J2344     J2405     J2407
        -  J2408     J2410     J2412     J2447     J2525     J2527  -  J2528     J2536     J2538
           J2542  -  J2543  -  J2544  -  J2545  -  J2546     J2548

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1209     J1215     J1217  -  J1218  -  J1219  -  J1220  -  J1221     J1234     J2119
           J2136     J2334     J2433

035303     J2544
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
036101   J2229    J2232  - J2233    J2237    J2239  - J2241  - J2244  - J2245    J2304
         J2306    J2309    J2312  - 32313  - J2314  - J2315    J2317    J2340    J2419
         J2424  - J2425    J2446    J2543

036203   J2104    J2132  - J2133    J2212    J2215  - J2216  - J2217    J2222    J2314
         J2316    J2408    J2411  - J2412    J2525    J2528

037203   J1411    J2103  - J2104  - J2105  - J2106  - J2107  - J2108    J2115    J2129
         J2131    J2207    J2210    J2212    J2213    J2215  - J2216  - J2217  - J2218
         J2219  - J2220  - J2221  - J2222  - J2223  - J2224  - J2225  - J2226    J2230
         J2309    J2310    J2312    J2314    J2344    J2401    J2405  - J2406    J2408
         J2410  - J2411  - J2412    J2431  - J2432    J2524

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2130    J2214    J2318    J2335    J2413

040001   J1517    J1529    J1535  - J1536    J1540

054101   J2210

054203   J2210

060203   J2213

064101   J2210

064203   J2210

070101   J2209

070203   J2209

070501   J1321

074101   J2111    J2218    J2221

074203   J2108    J2111    J2205    J2211    J2215    J2217    J2220    2223     J2225

         J2310    J2406    J2409    J2410    J2439  - J2440    J2530

075101   J2103    J2105  - J2106  - J2107  - J2108    J2133    J2202    J2204  - J2205
         J2210    J2212    J2226    J2229  - J2230  - J2231  - J2232  - J2233    J2235
       - J2236  - J2237  - J2238  - J2239  - J2240  - J2241  - J2242  - J2243  - J2244
       - J2245    J2301    J2304  - J2305  - J2306  - J2307    J2309  - J2310  - J2311
       - J2312  - J2313  - J2314  - J2315  - J2316  - J2317    J2337    J2338  - J2339
       - J2340    J2342  - J2343  - J2344    J2401  - J2402    J2404    J2407    J2415
         J2416  - J2417  - J2418  - J2419  - J2420  - J2421    J2423  - J2424  - J2425
       - J2426  - J2427  - J2428  - J2429  - J2430  - J2431    J2435  - J2436  - J2437
       - J2438  - J2439  - J2440    J2442  - J2443  - J2444  - J2445  - J2446  - J3447
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU ON |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

```
           J2515    J2524      J2535   -  J2536    J2539   -  J2540    J2542    J2544         J2546
      -    J2547
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2136   J2433   J2520   J2522

```
075201     J2105   -  J2106     J2117      J2133   -  J2134   -  J2135    J2202    J2205   -  J2206
           J2212      J2215
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2136

```
075203     J1212      J1411      J1511      J1532   -  J1533   -  J1534   -  J1535   -  J1536   -  J1537
           J1543   -  J1544      J1549   -  J1550   -  J1551      J2103   -  J2104   -  J2105   -  J2106
      -    J2107   -  J2108   -  J2109      J2120      J2123      J2132   -  J2133      J2203   -  J2204
      -    J2205   -  J2206   -  J2207   -  J2208   -  J2209   -  J2210   -  J2211   -  J2212   -  J2213
           J2215   -  J2216   -  J2217      J2220   -  J2221   -  J2222   -  J2223   -  J2224   -  J2225
           J2231      J2236      J2240      J2242   -  J2243      J2246      J2381   -  J2302      J2305
      -    J2306   -  J2307   -  J2308   -  J2309   -  J2310   -  J2311   -  J2312   -  J2313   -  J2314
      -    J2315   -  J2316      J2321   -  J2322      J2325      J2327   -  J2328   -  J2329   -  J2330
      -    J2331   -  J2332   -  J2333      J2337      J2342      J2346      J2401   -  J2402      J2404
      -    J2405   -  J2406   -  J2407      J2409   -  J2410   -  J2411   -  J2412      J2415      J2429
           J2432      J2435   -  J2436   -  J2437   -  J2438   -  J2439   -  J2448   -  J2441   -  J2442
      -    J2443   -  J2444   -  J2445   -  J2446   -  J2447   -  J2448      J2501   -  J2502      J2504
           J2506   -  J2507   -  J2508   -  J2509   -  J2510   -  J2511      J2513   -  J2514   -  J2515
      -    J2516      J2518   -  J2519      J2523   -  J2524   -  J2525   -  J2526   -  J2 527  -  J2528
      -    J2529   -  J2530   -  J2531   -  J2532      J2534      J2536      52538      J2540      J2546
           J2548
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1311   J1439   J2119   J2130   J2413   J2433   J2528   J2522

```
076101     J2235    J2307      J2404      J2421      J2423      J2425    -  J2426   -  J2427    J2431
           J2439    J2443
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2433

```
076203     J2217    J2411
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2318

```
077101     J2103   -  J2104     J2107   -  J2108     J2110      J2205      J2221      J2227      J2236
```

```
077203     J2104   -  J2105     J2107      J2208      J2212   -  J2213      J2218      J2220   -  J2221
      -    J2222   -  J2223   -  J2224     J2327      J2411   -  J2412      J2540      J2546
```

```
115283     J2222
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
117203    J2210      J2213

137003    J2216

137203    J2204

147203    J2210      J2213

163203    J2209      J2213

167203    J2112

173203    J2209      J2213

174101    J2209      J2221    J2337

174203    J2209  -  J2210  -  J2211     J2409  -  J2418  -  J2411  -  J2412     J2432     J2504

175101    J2103  -  J2104     J2108     J2113     J2123     J2128     J2202  -  J2203  -  J2204
          J2211     J2221     J2226     J2229     J2232  -  J2233     J2237     J2239     J2241
          J2245     J2304  -  J2305  -  J2306     J2311     J2313  -  J2314  -  J2315     J2339
          J2342     J2404     J2406  -  J2407     J2415  -  J2416  -  J2417     J2419     J2421
      -   J2422     J2424  -  J2425  -  J2426     J2448     J2442     J2536

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2413

175203    J1320  -  J1321  -  J1322  -  J1323  -  J1324     J1326     J1338  -  J1339     J1405
      -   J1406  -  J1487  -  J1408  -  J1409  -  J1418  -  J1411  -  J1412  -  J1413     J1417
          J1419     J1421  -  J1422  -  J1423  -  J1424  -  J1425  -  J1426     J1428  -  J1429
          J1431  -  J1432  -  J1433  -  J1434  -  J1435  -  J1436     J1505  -  J1506  -  J1507
      -   J1508  -  J1509  -  J1510  -  J1511  -  J1512  -  J1513  -  J1514  -  J1515  -  J1516
      -   J1517  -  J1518  -  J1519     J1521     J1523     J1527  -  J1528  -  J1529     J1531
      -   J1532  -  J1533  -  J1534  -  J1535  -  J1536  -  J1537  -  J1538  -  J1539  -  J1540
          J1542     J1551     J2104  -  J2105     J2108     J2111     J2113     J2120     J2122
          J2202  -  J2203  -  J2204     J2206  -  J2207  -  J2208     J2210  -  J2211     J2213
          J2215  -  J2216  -  J2217     J2220  -  J2221  -  J2222  -  J2223  -  J2224  -  J2225
          J2306     J2308  -  J2309     J2311  -  J2312     J2315     J2326  -  J2327  -  J2338
      -   J2339     J2404  -  J2405  -  J2406     J2411  -  J2412     J2428  -  J2429     J2437
      -   J2438     J2445     J2530     J2534  -  J2535     J2537  -  J2538     J2540  -  J2541
      -   J2542  -  J2542  -  J2543  -  J2544  -  J2545  -  J2546  -  J2547  -  J2548

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1310     J1343     J1404     J1430     J1444     J1504     J2119     J2413     J2433
          J2522

175501    J2209

176203    J2211      J2408     J2411  -  J2412
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
               J2433

177003    J2231      J2234      J2311      J2317      J2333      J2342      J2344

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2334

177101    J2104      J2106      J2108      J2202      J2204      J2206      J2210      J2221      J2226
        - J2227      J2230    - J2231    - J2232    - J2233    - J2234      J2236    - J2237    - J2238
        - J2239    - J2240      J2244    - J2245      J2361      J2304    - J2305    - J2306    - J2307
        - J2388    - J2309      J2312    - J2313    - J2314    - J2315    - J2316    - J2317      J2337
        - J2338    - J2339    - J2340      J2404      J2406    - J2407      J2415    - J2416      J2418
        - J2419    - J2420    - J2421      J2423    - J2424    - J2425    - J2426    - J2427      J2430
        - J2431      J2436    - J2437      J2439      J2442    - J2443      J2535      J2540    - J2541
        - J2542      J2544      J2547

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2433

177103    J2410

177203    J1312    - J1313      J1315      J1319      J1321      J1325      J1529      J2103    - J2104
        - J2105    - J2106    - J2187    - J2108      J2110      J2112    - J2113    - J2114    - J2115
          J2117      J2121      J2123    - J2124      J2133    - J2134      J2202      J2205    - J2206
        - J2207      J2209      J2211    - J2212    - J2213      J2215    - J2216    - J2217      J2220
        - J2221    - J2222    - J2223    - J2224    - J2225    - J2226    - J2227      J2230      J2306
          J2308    - J2309    - J2310      J2314    - J2315      J2317      J2319      J2321      J2323
        - J2324    - J2327      J2329      J2333      J2338      J2340    - J2341    - J2342    - J2343
        - J2344      J2346      J2401      J2404    - J2405    - J2406      J2408      J2410    - J2411
        - J2412      J2415      J2429      J2431    - J2432      J2435    - J2436    - J2437      J2442
          J2444      J2446    - J2447      J2501      J2504      J2517    - J2518      J2527    - J2528
        - J2529    - J2530    - J2531    - J2532      J2534      J2538    - J2539    - J2548      J2542
        - J2543    - J2544    - J2545    - J2546    - J2547    - J2548

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2119      J2138      J2136      J2214      J2334      J2433      J2520      J2522

177303    J2106    - J2107    - J2108      J2111      J2114      J2544

215203    J2211

234203    J2213

275203    J2288    - J2209    - J2210    - J2211      J2330

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2214

277101    J2210
```

Change 4   2-121

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

317203   J2213   J2221

337101   J2210

344203   J2222

347203   J2213

363203   J2213

364101   J2112

364203   J2213   J2221

367003   J2115

373203   J2213

374101   J2107 - J2108   J2112

374103   J2432

374203   J2206   J2220 - J2221 - J2222   J2327

             SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J2214

375101   J2432

375203   J2103 - J2104 - J2105 - J2106 - J2107 - J2108   J2110   J2209 - J2210
     - J2211 - J2212 - J2213   J2215   J2220 - J2221 - J2222 - J2223   J2225
        J2248   J2340

             SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J2214

376203   J2103 - J2104 - J2105 - J2106 - J2107 - J2108 - J2109 - J2110   J2113
        J2131 - J2132 - J2133 - J2134 - J2135   J2213   J2215   J2220   J2222
     - J2223 - J2224   J2309   J2313   J2346   J2404   J2530   J2543   J2546
     - J2547 - J2548

             SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J2119   J2130

377003   J2305   J2333   J2344

377101   J2103 - J2104 - J2105   J2107   J2114   J2221 - J2222   J2226 - J2227
        J2232   J2308   J2337 - J2338   J2341 - J2342 - J2343   J2346   J2401
        J2415 - J2416   J2418   J2421 - J2422   J2425 - J2426 - J2427 - J2428

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU ON
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2136   J2136   J2433   J2522

377203   J1226   J1537   J2103 - J2104 - J2105 - J2106 - J2107 - J2108   J2110
          J2112   J2132   J2202 - J2203 - J2204 - J2205 - J2206 - J2207 - J2208
      - J2209 - J2210 - J2211 - J2212 - J2213   J2215   J2217   J2220 - J2221
      - J2222 - J2223 - J2224   J2246   J2307   J2327   J2546

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2214

400501   J2340   J2424 - J2425   J2543

400603   J1317   J1326   J2113   J2215   J2411   J2537   J2541

401603   J2211

403603   J2212 - J2213   J2215

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2214

485101   J2539

437203   J2213

560603   J2108   J2115   J2211

577003   J2167

680203   J2108   J2111   J2211   J2213   J2221

680501   J2105 - J2106   J2108   J2204 - J2205   J2221   J2226   J2229   J2301
          J2304 - J2305   J2314   J2341   J2415   J2421   J2423   J2430   J2435
      - J2436   J2440   J2442   J2445   J2535   J2539   J2542 - J2543 - J2544
          J2546

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2522

600603   J1537   J1544 - J1545 - J1546   J1548 - J1549 - J1550 - J1551   J2103
      - J2104 - J2185 - J2106   J2108   J2117   J2120 - J2121 - J2122 - J2123
      - J2124 - J2125 - J2126 - J2127 - J2128 - J2129   J2131   J2135   J2202
          J2216   J2220   J2222   J2227   J2308   J2313   J2326 - J2327 - J2328
          J2330   J2343   J2346   J2401   J2404   J2411 - J2412   J2431   J2435
          J2437 - J2438 - J2439 - J2440 - J2441   J2445   J2447 - J2448   J2504
          J2508   J2510 - J2511   J2513 - J2514 - J2515 - J2516   J2529 - J2530
      - J2531

Change 4   2-123

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1311        J1439        J2130        J2520

603603        J2104   -    J2105        J2107        J2111

620501        J2206        J2208

637203        J2206

637603        J2202   -    J2203   -    J2204        J2207        J2219

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J2214

660663        J2108        J2114        J2222        J2243        J2309        J2312

676203        J2286        J2386

700000        J2117

700001        J1323        J1326        J1338        J1411   -    J1412   -    J1413        J1415   -    J1416   -    J1417
              J1419        J1421   -    J1422        J1424   -    J1425   -    J1426   -    J1427        J1432   -    J1433
         -    J1434   -    J1435   -    J1436        J1508        J1510   -    J1511        J1514   -    J1515   -    J1516
         -    J1517        J1526   -    J1527   -    J1528   -    J1529   -    J1530   -    J1531   -    J1532        J1536
              J1538   -    J1539   -    J1540        J1542        J2105   -    J2106        J2114        J2122        J2132
              J2202        J2205        J2267        J2213        J2215        J2217        J2220        J2223   -    J2224
         -    J2225        J2227        J2230   -    J2231        J2236        J2238        J2242        J2302        J2384
              J2307        J2314        J2317        J2339        J2402        J2406   -    J2407        J2409        J2420
         -    J2421        J2423        J2426   -    J2427        J2429   -    J2430   -    J2431        J2435        J2436
              J2509   -    J2510        J2513        J2515   -    J2516        J2536        J2534   -    J2535   -    J2536
         -    J2537   -    J2538   -    J2539   -    J2540   -    J2541   -    J2542        J2544   -    J2545   -    J2546
         -    J2547   -    J2548

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1404     J1444        J2214        J2318

700003        J1411        J1516        J2105   -    J2186        J2111        J2131   -    J2132        J2134        J2205
         -    J2206        J2211   -    J2212        J2215        J2220        J2401   -    J2402        J2409        J2416
              J2419        J2586        J2516        J2513        J2515        J2534   -    J2535   -    J2536   -    J2537
              J2541        J2547

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1404        J2130        J2136        J2433

700007        J2203

700011        J1235        J2581

700015        J1419        J1516        J1529        J1531
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU ON
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

STOP	CONNECTORS
700021	J2547
700027	J1410
700033	J1115 J1235
700037	J1235
700057	J1517
700061	J2515 - J2516
700073	J2501
700077	J1508 J1513 J1516 J2329 - J2330 - J2331 J2333 J2502 J2505 J2507 - J2508 J2511 J2517 - J2518
700501	J2103 - J2104 J2107 J2110 J2211 J2221 J2226 J2229 J2232 - J2233 - J2234 J2236 J2239 J2243 - J2244 J2314 - J2315 J2340 - J2341 J2444 - J2445 J2543
700603	J1111 - J1112 - J1113 - J1114 - J1115 - J1116 J1129 J1137 - J1138 - J1139 J1210 - J1211 - J1212 - J1213 - J1214 J1216 J1223 - J1224 - J1225 - J1226 - J1227 J1231 J1243 J1245 J1315 - J1316 - J1317 - J1316 - J1319 - J1320 J1330 J2103 - J2104 J2108 J2110 J2222 J2224 J2229 - J2230 - J2231 - J2232 - J2233 - J2234 J2236 J2238 - J2239 - J2240 J2242 - J2243 - J2244 - J2245 - J2246 - J2247 - J2248 J2309 J2312 J2314 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J1121 J1209 J1215 J1217 - J1218 - J1219 - J1220 - J1221 - J1222 J1234 J2136
701501	J2104 J2221 J2226 J2240
701683	J2104 - J2105 J2220 J2222 - J2223
737603	J2108 J2115 J2222 J2235 J2237 J2239 J2241 - J2242 - J2243
740501	J1216 J2103
740603	J1210 J1214 J1216 J1223 - J1224 - J1225 J1227 - J1228 J1231 J1320 J1330 J2103 J2108 J2222 J2229 J2247 - J2248 J2327 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J1215 J1217 - J1219 - J1219 - J1220 - J1221 J1234
743501	J2221

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU ON
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

743603   J2220

757201   J2108   J2114   J2223   J2230   J2233   J2243

760501   J1433   J2103 - J2104   J2110   J2205   J2207   J2221   J2226   J2245
            J2302   J2308   J2346   J2419   J2537 - J2538

760601   J2109

760603   J1111 - J1112 - J1113   J1115 - J1116 - J1117   J1122   J1129   J1136
       -    J1137 - J1138 - J1139 - J1140   J1143   J1147   J1210 - J1211 - J1212
            J1214   J1216   J1228   J1231   J1235   J1241 - J1242   J1244 - J1245
            J1316   J1318   J1320   J1332   J2103   J2105   J2107 - J2108   J2110
            J2205   J2207   J2222   J2230   J2233   J2235   J2237   J2239 - J2240
       -    J2241 - J2242 - J2243 - J2244 - J2245   J2248   J2340   J2342   J2447
            J2527

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1121   J1215   J1217 - J1218 - J1219 - J1220 - J1221

770001   J1415 - J1416   J2122

776501   J1321   J1415   J1419   J1514   J2107   J2540

770603   J1210 - J1211   J1213   J1227   J1231   J1235   J1242 - J1243 - J1244
       -    J1245 - 31246 - J1247 - J1248 - J1249   J1344   J1348 - J1349 - J1350
            J2104 - J2105   J2107   J2110   J2235 - J2236   J2238   J2240 - J2241
       -    J2242   J2244 - J2245 - J2246   J2248   J2306   J2308   J2404   J2411
            J2528

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1222   J1234   J2119   J2136

774101   J1321   J1419   J2205

774203   J2105   J2204 - J2205 - J2206   J2208 - J2209 - J2210   J2213   J2215
            J2216 - J2217 - J2218 - J2219 - J2220   J2223   J2225   J2309   J2337
            J2405   J2509

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2214

7745010   J1321   J1323   J1407   J1409 - J1410 - J1411   J1413   J1416 - J1417
            J1419   J1423   J1425   J1433   J1435 - J1436   J1505   J1509   J1514
            J1519   J1531   J2103 - J2104 - J2105   J2107 - J2108   J2110 - J2111
            J2125 - J2126 - J2127 - J2128   J2210   J2220 - J2221   J2226   J22:30
            J2240   J2302   J2306   J2309   J2411   J2419   J2430   J2432   J2443
            J2445 - J2446   J2529 - J2530   J2535   J2537   J2539 - J2540 - J2541
            J2543 - J2544   J2546 - J2547

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
STOP
            J1310  -  J1311      J1404

775003      J2121

775203      J1226     J1228      J1319  -  J1320  -  J1321     J1323     J1326     J1329  -  J1330
            J1411     J1423      J1550     J2121     J2208     J2211     J2213     J2215  -  J2216
            J2217  -  J2218  -   J2219     J2221     J2224  -  J2225     J2231  -  J2232     J2248
            J2305     J2328  -   J2329     J2331     J2337     J2402     J2405     J2415  -  J2416
            J2439  -  J2440      J2511     J2530     J2541

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2214     J2320

776001      J2431  -  J2432

776003      J2107  -  J2108

776203      J2104     J2110      J2112  -  J2113     J2202     J2204  -  J2205  -  J2206  -  J2207
            J2209  -  J2210      J2212  -  J2213     J2215  -  J2216  -  J2217  -  J2218  -  J2219
         -  J2220  -  J2221  -   J2222     J2224  -  J2225     2310      J2327     J2543

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2130     J2214

777001      J2431

777003      J1112     J1138      J1141     J1210     J1226  -  J1227  -  J1228     J1231     J1242
            J1246     J1319  -   J1320  -  J1321  -  J1322  -  J1323  -  J1324  -  J1325  -  J1326
         -  J1327  -  J1328  -   J1329  -  J1330  -  J1331  -  J1332  -  J1333  -  J1334  -  J1335
         -  J1336  -  J1337  -   J1338  -  J1339  -  J1340     J1348     J1410  -  J1411  -  J1412
         -  J1413  -  J1414      J1416  -  J1417     J1419     J1421  -  J1422  -  J1423  -  J1424
         -  J1425  -  J1426      J1433  -  J1434  -  J1435     J1450  -  J1451     J1526     J1528
         -  J1529  -  J1530  -   J1531  -  J1532  -  J1533  -  J1534  -  J1535     J!537     J1542
            J1549  -  J1550  -   J1551     J2103  -  J2104  -  J2105  -  J2106  -  J2107  -  J2108
            J2110  -  J2111  -   J2112  -  J2113  -  J2114  -  J2115  -  J2116  -  J2117     J2120 -
            J2121  -  J2122  -   J2123  -  J2124     J2127     J2129     J2131  -  J2132  -  J2133
         -  J2134  -  J2135      J2202  -  J2203  -  J2204  -  J2205  -  J2206  -  J2207  -  J2208
         -  J2209  -  J2210  -   J2211  -  J2212  -  J2213     J2215  -  J2216  -  J2217  -  J2218
         -  J2219  -  J2220  -   J2221  -  J2222  -  J2223  -  J2224  -  J2225  -  J2226  -  J2227
            J2229  -  J2230  -   J2231  -  J2232  -  J2233  -  J2234  -  J2235  -  J2236     J2238
            J2240     J2242  -   J2243     J2245  -  J2246  -  J2247  -  J2248     J2302     J2304
         -  J2305  -  J2306  -   J2307  -  J2308  -  J2309  -  J2310     J2311  -  J2312  -  J2313
         -  J2314  -  J2315      J2317     J2319     J2321  -  J2322  -  J2323  -  J2324  -  J2325
         -  J2326  -  J2327  -   J2328  -  J2329  -  J2330  -  J2331  -  J2332  -  J2333     J2337
         -  J2338  -  J2339  -   J2340  -  J2341  -  J2342  -  J2343  -  J2344     J2346     J2348
            J2401  -  J2404  -   J2405  -  J2406  -  J2407  -  J2408  -  J2409  -  J2410  -  J2411
            J2412     J2415  -   J2416     J2428  -  J2429  -  J2430  -  J2431  -  J2432  -  J2435 -
            J2436  -  J2437  -   J2439  -  J2439  -  J2440  -  J2441  -  J2442  -  J2443  -  J2444 -
            J2445  -  J2446  -   J2447  -  J2448     J2504  -  J2505     J2507  -  J2508     J2510 -
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU ON
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
                J2511  -  J2512      J2514  -  J2515  -  J2516  -  J2517  -  J2518  -  J2519      J2523
            -   J2524      J2527  -  J2528  -  J2529  -  J2530      J2534  -  J2535  -  J2536  -  J2537 -
                J2538  -  J2539  -  J2540  -  J2541  -  J2542  -  J2543  -  J2544  -  J2545  -  J2546
            -   J2547  -  J2548
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

```
                J1222      J1310      J1342  -  J1343      J1404      J1439      J1444      J2119      J2130
                J2136      J2214      J2318      J2320      J2334  -  J2335      J2345      J2413      J2433
                J2520      J2522
```

777007	J2!11	J2113	J2116

777013	J2111	J2113	J2116

777017	J2110	J2112 -	J2113	J2115

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2130

777023	J2111	J2113	J2117

777043	J2111	J2113	J2117

777063	J2106	J2113 -	J2114

```
777101          J2208      J2218      J2221      J2223  -  J2224      J2344      J2411      J2428  -  J2429
                J2430  -  J2431  -  J2432
```

777103	J2113 -	J2114	J2116

```
777201          J1323      J1326      J1340      J1405  -  J1406  -  J1407      J1409  -  J1410  -  J1411
            -   J1412  -  J1413      J1418  -  J1419  -  J1420      J1424  -  J1425  -  J1426  -  J1427
                J1428  -  J1429      J1431  -  J1432  -  J1433      J1435  -  J1436      J1588      J1511
                J1512  -  J1513  -  J1514  -  J1515  -  J1516  -  J1517  -  J1518  -  J1519      J1521
                J1523      J1526      J1528  -  J1529  -  J1530  -  J1531  -  J1532  -  J1533  -  J1534
            -   J1535  -  J1536  -  J1537  -  J1538  -  J1539      J1542      J1551      J2103  -  J2104
            -   J2185      J2107  -  J2188  -  J2109  -  J2110  -  J2111      J2113      J2120  -  J2121
            -   J2122  -  J2123  -  J2124      J2126  -  J2127  -  J2129  -  J2129      J2131  -  J2132
            -   J2133  -  J2134  -  J2135      J2202  -  J2203      J2204  -  J2205  -  J2206  -  J2207
            -   J2208  -  J2209  -  J2210  -  J2211  -  J2212  -  J2213      J2215  -  J2216  -  J2217
            -   J2218  -  J2219  -  J2220  -  J2221  -  J2222  -  J2223  -  J2224  -  J2225      J2230
                J2243  -  J2244      J2306  -  J2307      J2309  -  J2310  -  J2311      J2314  -  J2315
                J2316      J2323  -  J2324  -  J2325  -  J2326  -  J2327  -  J2328  -  J2329  -  J2330
            -   J2331  -  J2332      J2333      J2337  -  J2338  -  J2339  -  J2340      J2342  -  J2343
            -   J2344      J2346      J2348      J2402      J2404  -  J2405  -  J2406      J2408  -  J2409 -
                J2410  -  J2411  -  J2412      J2415  -  J2416  -  J2418  -  J2419      J2420  -  J2421
            -   J2422  -  J2424  -  J2425  -  J2426  -  J2427  -  J2428  -  J2429      J2430  -  J2431
                J2435  -  J2436      J2438  -  J2439  -  J2440  -  J244,1      J2444  -  J2445      J2447
                J2501      J2504  -  J2505      J2507  -  J25088  -  J2509  -  J2518  -  J2511  -  J2512
            -   J2513  -  J2514  -  J2515  -  J2516  -  J2517  -  J2518      J2523  -  J2524  -  J2525
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
STOP
       -  J2526  -  J2527  -  J2528  -  J2529  -  J2530  -  J2531  -  J2532     J2534  -  J2535
       -  J2536  -  J2537  -  J2538  -  J2539  -  J2540     J2542  -  J2543     J2544  -  J2545
       -  J2546  -  J2547  -  J2548

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1310  -  J1311     J1404     J1430     J1439     J1444     J2119     J2130     J2136
          J2214     J2320     J2334     J2345     J2433     J2520     J2522

777203    J1228     J1231     J1319  -  J1320     J1328     J1335     J1338     J1340     J1410
          J1413     J1434     J1451     J1551     J2103     J2105  -  J2106  -  J2107  -  J2108
          J2111     J2113  -  J2114     J2116  -  J2117     J2123  -  J2124     J2129     J2131
       -  J2132  -  J2133  -  J2134     J2202  -  J2203  -  J2204  -  J2205  -  J2206  -  J2207
       -  J2208  -  J2209  -  J2210  -  J2211  -  J2212  -  J2213     J2215  -  J2216  -  J2217
       -  J2218  -  J2219  -  J2220  -  J2221  -  J2222  -  J2223  -  J2224  -  J2225  -  J2226 -
       -  J2227     J2231  -  J2232  -  J2233  -  J2234  -  J2235  -  J2236     J2246     J2305
       -  J2306     J2308     J2311  -  J2312  -  J2313  -  J2314     J2317     J2321     J2324
          J2326  -  J2327  -  J2328  -  J2329  -  J2330  -  J2331  -  J2332  -  J2333     J2337 -
       -  J2338  -  J2339  -  J2340  -  J2341  -  J2342  -  J2343  -  J2344     J2346     J2348
          J2401  -  J2402     J2404  -  J2405  -  J2406     J2408  -  J2409  -  J2410  -  J2411
          J2430  -  J2431  -  J2432     J2445     J2447     J2536     J2538  -  J2539  -  J2540
          J2543  -  J2544     J2546  -  J2547  -  J2548

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1342     J1404     J2130     J2136     J2214     J2318     J2334     J2413     J2433
          J2520

777403    J2113  -  J2114     J2117

777501    J2215

777601    J2213

777603    J1521     J1538     J2184     J2106  -  J2107  -  J2108  -  J2109     J2120  -  J2121 -
       -  J2122  -  J2123  -  J2124  -  J2125  -  J2126  -  J2127  -  J2128  -  J2129     J2134
          J2203     J2209     J2212  -  J2213     J2215     J2222     J2239     J2241     J2309
          J2311  -  J2312     J2317     J2321  -  J2322  -  J2323     J2326  -  J2327  -  J2328 -
          J2329  -  J2330  -  J2331  -  J2332  -  J2333     J2401  -  J2402     J2405  -  J2406
       -  J2407     J2411     J2429     J2504     J2506  -  J2507  -  J2508  -  J2509  -  J2510 -
          J2511  -  J2512  -  J2513  -  J2514  -  J2515  -  J2516  -  J2517  -  J2518  -  J2519
          J2523  -  32524  -  J2525     J2530     J2532

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2130     J2334     J2520     J2522
```

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF | | |
| DIAGNOSE STATUS | IOU OFF | CPU ON | | |
STOP				CONNECTORS
001001	J2189			
001010	J2114			
007033	J2126			
100111	J2116			
111110	J2107	J2109	J2115 -	J2116
111111	J2111	J2114 -	J2115	J2117
377101	J2110			
510032	J2330			
700001	J2111			
700002	J2115			
700003	J2134	J2215		
777777	J2122			

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS DIAGNOSE STATUS	IOU OFF IOU OON	CPU ON CPU OFF					
STOP						**CONNECTORS**	
000007	J2333						
075201	J2106	J2115	-	J2116	J2122	J2126	
177203	J2106	J2115	-	J2116	J2122	J2126	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2130

767201	J2112						
773007	J2333	J2337					

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2334

774501	J2430						
777201	J2112	J2133	J2236	J2238	J2244	J2430	J2432	J2446

Change 4   2-131

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   **IOU ON**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

STOP						
000000	J2114	- J2115	J2117	J2331	J2442	J2531

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2318   J2335

000464	J2442
001003	J2531
001066	J2531
001214	J2531
700062	J2442
700100	J2442

Change 4   2-132

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS	IOU ON	CPU OFF	
DIAGNOSE STATUS	IOU OFF	CPU ON	
STOP			CONNECTORS
111111	J2114 - J2115	J2117	
700000	J2114 - J2115	J2117	

Change 4   2-133

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS DIAGNOSE STATUS	IOU ON IOU OFF	CPU ON CPU OFF					
STOP							**CONNECTORS**

017207	J2132						
036277	J2317	J2321	J2342	J2435			
037207	J2131 -	J2132	J2212				
075203	J2531						
177207	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J2130						
775207	J2131						
777007	J1344	J1350	J1529	J1532	J1535	J2311	J2405 J2439

777017 J1406   J1409 - J1410 - J1411 - J1412 - J1413   J1433   J1436   J1511
J1513 - J1514   J1519   J1530   J1531 -   J1533 - J1534 - J1535 - J1536
J2111   J2125   J2127   J2209 - J2210 - J2211 - J2212 - J2213   J2220 -
J2221   J2223 - J2224 - J2225   J2310   J2331   J2346   J2348   J2481
J2438   J2446   J2536   J2539   J2542 - J2543   J2545 - J2546 - J2547 -
J2548

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1310   J1404   J1430   J2522

777201	J2531						
777207	J2131						
777703	J2114 -	J2115					

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2130

777777 J1312 - J1313 - J1314   J1529   J1535   J1545   J2116 - J2117   J2132
J2205 - J2206   J2217   J2331   J2333   J2429   J2431 - J2432   J2435
- J2436 - J2437   J2539

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2318   J2520

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS DIAGNOSE STATUS	IOU ON IOU OFF	CPU ON CPU OFF	
STOP			**CONNECTORS**
037207	J2120		
775207	J2120		

TABLE 2-2. CPU FAULT LOCATION-CONTINUED

PROGRAM LOAD STATUS   **IOU ON**   **CPU ON**
DIAGNOSE STATUS   **IOU ON**   **CPU ON**

STOP   **CONNECTORS**

000000   J2114

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1209

777777   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1209

Change 4   2-136

TABLE 2-3. IOU FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
000000    J3101 - J1102 - J1103 - J1104 - J1105 - J1106 - J1107   J1108 - J1109 - J1110
        - J111  - J1112 - J1113   J1115 - J1116 - J1117   J1124   J1125   J1128   J1130
          J1136 - J1137 - J1138 - J1139 - J1140   J1144 - J1145 - J1146   J1201 - J1202
        - J1203 - J1204 - J1205 - J1206 - J1207 - J1208   J1212   J1214   J1216   J1222
          J1239   J1244 - J1245 - J1246 - J1247   J1301 - J1302 - J1303 - J1304 - J1305
        - J1306 - J1307 - J1308 - J1309 - J1310 - J1311 - J1312 - J1313   J1318 - J1319
        - J1320   J1322   J1323   J1325   J1327 - J1328   J1331   J1335   J1339   J1342
        - J1343   J1347 - J1348   J1406 - J1407 - J1408 - J1409 - J1410 - J1411 - J1412
          J1414   J1417 - J1418 - J1419 - J1420 - J1421   J1424 - J1425 - J1426   J1436
        - J1437   J1443   J1446

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1133 - J1134   J1316   J1321   J1334   J1422 - J1423   J1441 - J1442   J1444

000002    J1208   J1215   J1217 - J1218   J1221 - J1222   J1324   J1429

000003    J1101   J1184   J1106   J1111   J1113 - J1114   J1118   J1120   J1143   J1201
          J1204   J1208 - J1209 - J1210 - J1211 - J1212 - J1213   J1215   J1217 - J1218
        - J1219   J1221 - J1222   J1224 - J1225   J1227 - J1228   J1230 - J1231   J1232
        - J1233   J1236   J1246   J1302   J1310   J1323 - J1324 - J1325 - J1326 - J1327
        - J1328 - J1329   J1333   J1337 - J1338   J1344   J1426 - J1427   J1429   J1432

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1423

000004    J1212   J1217   J1226   J1228 - J1229 - J1230   J1318   J1430

000005    J1215   J1217   J1237   J1246

000006    J1208   J1212   J1218   J1429

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1423

000007    J1114

000010    J1215

000011    J1302

080012    J1210   J1233   J1236

000014    J1208

000016    J1114   J1212   J1221 - J1222   J1230

000017    J1212   J1217   J1231

000822    J1106   J1307
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS DIAGNOSE STATUS	IOU OFF IOU OFF	CPU OFF CPU OFF							

STOP   CONNECTORS

STOP									
000023	J1226	J1229	J1312	J1432					
000024	J1226	J1430							
000025	J1109	J1210 - J1211 - J1212 - J1213	J1215	J1226	J1228 - J1229	J1231			
	J1233	J1430							
000627	J1212	J1217	J1230	J1430					
000032	J1212	J1224	J1429						
000035	J1205	J1208	J1212 - J1213	J1225	J1428				
000037	J1245	J1344							
000040	J1127	J1208 - J1209	J1212 - J1213	J1224	J1427				
000042	J1224	J1332							
000043	J1225								
000044	J1109	J1209	J1212 - J1213	J1223 - J1224					
000045	J1212	J1215	J1218	J1222 - J1223	J1229	J1233	J1235	J1237	J1317
000047	J1101 - J1102 - J1103	J1107	J1113 - J1114	J1116 - J1117 - J1118 - J1119					
	J1128	J1136	J1145	J1201 - J1202	J1205 - J1206 - J1207	J1301 - J1302			
	J1305 - J1306 - J1307	J1308 - J1309	J1311 - J1312	J1318	J1326 - J1327				
	J1329	J1337	J1342	J1426	J1433				
000050	J1112 - J1113	J1117 - J1118 - J1119	J1127	J1136 - J1137	J1262	J1208			
- J1209	J1212 - J1213	J1218	J1222	J1227	J1233	J1301	J1304 - J1305		
- J1306 - J1307	J1308	J1310	J1318	J1327	J1339	J1426			

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1423

STOP									
008051	J1138	J1215	J1217 - J1218	J1221	J1233	J1235	J1305	J1309	
000052	J1210	J1427							
000053	J1222	J1324							
000054	J1215	J1222	J1333	J1343					
000061	J1317								
000062	J1215								
000063	J1434								

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
000103    J1114     J1434

000107    J1215     J1229     J1318

000112    J1337

000132    J1104     J1118     J1111  -  J1112     J1113  -  J1114  -  J1115     J1130     J1219     J1222
          J1224  -  J1225     J1228     J1233  -  J1234     J1236     J1239     J1246     J1307     J1310
          J1312     J1318  -  J1319  -  J1320     J1322  -  J1323  -  J1324  -  J1325  -  J1326  -  J1327
       -  J1328  -  J1329     J1331  -  J1332  -  J1333     J1336  -  J1337  -  J1338     J1342     J1344

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1334

000133    J1141  -  J1142  -  J1143  -  J1144     J1146     J1221     J1227  -  J1228     J1233     J1243
          J1246     J1327

000141    J1223

000150    J1434

000167    J1120     J1344

000172    J1344

000173    J1120

000203    J1109

000216    1229

000223    J1213

000227    J1119

000254    J1145

000326    J1119  -  J1120     J1209

000342    J1329

000343    J1327

000365    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1423

000372    J1142     J1144     J1221     J1223     J1226  -  J1227  -  J1228  -  J1229     J1232  -  J1233
          J1235

000404    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1423
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF				
DIAGNOSE STATUS	IOU OFF	CPU OFF				

STOP						CONNECTORS
000406	J1337					
000414	J1327					
000441	J1218					
000447	J1212					
00470	J1212					
006474	J1329					
000574	J1434					
000635	J1239	J1333				
000644	J1202	J1310	J1313 - J1314			
000655	J1234					
000674	J1309					
000701	J1120					
000766	J1108	J1312	J1325 - J1326	J1328		
000770	J1114 - J1115	J1324 - J1325	J1344			
000772	J1344					
000775	J1222					
001001	J1140					
001003	J1140	J1436	J1445			

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1441

001005	J1339					
001066	J1105	J1121				
001007	J1231					
001021	J1232	J1247				
001022	J1304					
001035	J1119	J1125	J1139 - J1140	J1239	J1306	J1309

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1248

Change 4   2-140

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
001037    J1141   -  J1142      J1221      J1243

001045    J1141   -  J1142      J1221      J1223      J1228      J1243

001050    J1137      J1141   -  J1142   -  J1143      -J1144     J1146      J1221      J1223      J1227      J1228
       -  J1229      J1233      J1235      J1243      J1246      J1348      J1435

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1423

001051    J1145      J1239      J1337      J1348

001057    J1116   -  J ?1117 -  J1118      J1121      J1136      J1303      J1305      J1309   -  J1310      J1331
       -  J1332   -  J1333      J1339      31410      J1413      J1421

001060    J1309

901061    J1103      J1106      J1115      J1206      J1233      J1238      J1306      J1324   -  J1325   -  J1326
          J1328      J1331   -  J1332   -  J1333      J1338      J1343

001062    J1110      J1128      J1130      J1144      J1146      J1246      J1307      J1348      J1406   -  J1407
          J1410      J1412   -  J1413      J1416   -  J1417      J1421      J1445      J1447

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1422

001113    J1309

001127    J1328

001200    J1101      J1103      J1106   -  J1107   -  J1108      J1110   -  J1111   -  J1112      J1114      J1116
       -  J1117      J1119      J1125   -  J1126   -  J1127   -  J1128   -  J1129   -  J1130      J1136   -  J1137
       -  J1138      J1140      J1143   -  J1144   -  J1145   -  J1146      J1201      J1203   -  J1204      J1206
       -  J1207   -  J1208   -  J1209      J1216      J1218   -  J1219   -  J1220      J1227      J1235      J1237
          J1239   -  J1240      J1243   -  J1244   -  J1245   -  J1246   -  J1247      J1301   -  J1302   -  J1303
       -  J1304      J1306   -  J1307   -  J1308   -  J1309   -  J1310   -  J1311   -  J1312      J1317      J1333
          J1339      J1343      J1345   -  J1346   -  J1347   -  J1348      J1405   -  J1406      J1410   -  J1411
       -  J1412   -  J1413   -  J1414      J1416   -  J1417   -  J1418   -  J1419      J1424   -  J1425      J1437
          J1439      J1445

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1248      J1315      J1321      J1442      J1444

001201    J1103      J1107   -  J1108      J1111   -  J1112      J1118      J1125   -  J1126   -  J1127   -  J1128
       -  J1129      J1136   -  J1137      J1139   -  J1140      J1203   -  J1204      J1206      J1218   -  J1219
          J1224   -  J1225   -  J1226   -  J1227      J1235      J1240      J1241   -  J1242      J1245      J1301
       -  J1302      J1304      J1306      J1308      J1311   -  J1312      J1317      J1333      J1345   -  J1346
          J1348      J1406      J1410      J1412   -  J1413   -  J1414      J1416      J1418      J1424   -  J1425
          J1438      J1443

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1248      J1315      J1321      J1441      J1442
```

Change 4   2-141

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
001202   J1108      J1111 - J1112    J1114    J1118    J1125 - J1126 - J1127 - J1128 - J1129
         J1139 - J1140    J1144    J1203 - J1204 - J1205    J1208 - J1209    J1211    J1216
         J1218 - J1219 - J1220    J1222 - J1223 - J1224 - J1225 - J1226 - J1227 - J1228
       - J1229 - J1230 - J1231 - J1232    J1236 - J1237    J1240 - J1241 - J1242 - J1243
       - J1244    J1246    J1301    J1306    J1310    J1312    J1317 - J1318    J1322    J1325
         J1327    J1333    J1343 - J1344 - J1345 - J1346    J1348    J1406 - J1407 - J1408
       - J1409    J1412    J1414    J1424 - J1425    J1436    J1438    J1443    J1446

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1133 - J1134    J1321    J1334    J1442

001203   J1117 - J1118 - J1119    J1125 - J1126 - J1127 - J1128 - J1129 - J1130    J1136
       - J1137    J1143 - J1144    J1146    J1201    J1203 - J1204 - J1205    J1207    J1218
       - J1219 - J1220    J1222    J1225 - J1226 - J1227 - J1228 - J1229    J1233    J1236
       - J1237    J1239 - J1240 - J1241 - J1242 - J1243 - J1244 - J1245 - J1246 - J1247
         J1301    J1304    J1306    J1317    J1320    J1342 - J1343 - J1344 - J1345 - J1346
         J1407    J1419    J1424 - J1425    J1436    J1438 - J1439    J1443

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1133    J1135    J1248    J1315    J1321    J1334    J1441 - J1442

001204   J1101 - J1102 - J1103 - J1104    J1107 - J1108 - J1109 - J1110 - J1111 - J1112
       - J1113    J1115 - J1116    J1118    J1127    J1129 - J1130    J1137 - J1138    J1146
         J1202    J1204    J1206 - J1207    J1237    J1246 - J1247    J1301    J1305 - J1306
       - J1307    J1311    J1318    J1324    J1326    J1333    J1344    J1348    J1405 - J1406
       - J1407    J1409 - J1410 - J1411    J1413    J1418    J1424    J1438    J1443    J1445
       - J1446 - J1447

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1316    J1321    J1441    J1444

001205   J1101    J1106    J1115    J1201 - J1202    J1234    J1247    J1301    J1304 - J1305
       - J1306 - J1307    J1309    J1320    J1331    J1333

001206   J1113    J1115    J1203    J1237    J1303 - J1304 - J1305    J1307    J1312    J1327
         J1347    J1436

001207   J1161    J1163 - J1104    J1106    J1108 - J1109    J1112 - J1113    J1125    J1130
         J1137    J1201 - J1202    J1207 - J1208    J1237    J1247    J1301 - J1302 - J1303
       - J1304 - J1305 - J1306 - J1307 - J1308 - J1309 - J310 - J1311    J1320    J1322
         J1333    J1346 - J1347 - J1348    J1446

001210   J1103    J1106    J1113    J1130    J1224 - J1225    J1233    J1238    J1242    J1302
       - J1303    J1309    J1312    J1324 - J1325 - J1326    J1328    J1331 - J1332 - 51333
         J1338    J1406 - J1407    J1410    J1416    J1445 - J1446

001211   J1445

001212   J1109    J1126    J1343
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
001213    J1126  -  J1127     J1129      J1246      J1301      J1445

001215    J1141

001225    J1445

001253    J1114

001256    J1161       J1104      J1108      J1110      J1112      J1116      J1120  -  J1121     J1123      J1136
          J1201  -  J1202     J1204  -  J1205  -  J1206     J1212      J1222      J1233         J1302      J1304
       -  J1305  -  J1306  -  J1307  -  J1308  -  J1309  -  J1310     J1313  -  J1314     J1317      J1322
          J1327       J1333      J1337      J1409  -  J1410     J1418      J1446

001257    J1101  -  J1102  -  J1103     J1106      J1109      J1112      J1116  -  J1117  -  J1118  -  J1119
       -  J1120  -  J1121     J1123      J1125      J1127  -  J1128  -  J1129     J1136  -  J1137     J1141
          J1143       J1145      J1204      J1229      J1232  -  J1233     J1235  -  J1236  -  J1237     J1239
          J1244  -  J1245     J1303      J1304  -  J1305     J1307  -  J1368  -  J1309     J1311      J1314
          J1317  -  J1318     J1320      J1322      J1327      J1329      J1333      J1346      J1406  -  J1487
       -  J1408  -  J1409  -  J1410  -  J1411  -  J1412  -  J1413  -  J1414  -  J1415  -  J1416  -  J1417
       -  J1418     J1421      J1426  -  J1427     J1438      J1434  -  J1435  -  J1436  -  J1437     J1439
          J1445  -  J1446  -  J1447

001260    J1144       J1308      J1311

001261    J1127       J1129      J1233      J1348      J1406  -  J1407     J1409  -  J1410     J1436      J1445
       -  J1446  -  J1447

001262    J1114       J1117      J1119      J1121      J1123      J1138      J1143      J1265      J1302      J1318
          J1320

001263    J1137       J1413      J1418

001264    J1325       J1406  -  J1407     J1409      J1445  -  J1446  -  J1447

001265    31117  -  J1118     J1120  -  J1121     J1123      J1233      J1320     J1325          J1333

001666    J1101  -  J1102  -  J1103  -  J1104     J1106  -  J1107  -  J1108  -  J1109  -  J1110  -  J1111
       -  J1112  -  J1113  -  J1114  -  J1115  -  J1116  -  J1117  -  J1118  -  J1119  -  J1128  -  J1121
          J1123  -  J1124     J1127  -  J1128     J1130      J1136      J1137  -  J1138  -  J1139     J1143
       -  J1144  -  J1145  -  J1146     J1201  -  J1202     J1204  -  J1205  -  J1286  -  J1207  -  J1208
          J1213  -  J1214  -  J1215  -  J1216  -  J1217     J1222  -  J1223     J1226      J1229      J1232
       -  J1233     J1235  -  J1236  -  J1237  -  J1238  -  J1239     J1242      J1244  -  J1245  -  J1246
       -  J1247     J1301  -  J1302  -  J1303  -  J1384  -  J1305  -  J1386  -  J1307  -  J1308  -  J1309
       -  J1310  -  J1311  -  J1312  -  J1313  -  J1314     J1317  -  J1318     J1320      J1322      J1323
       -  J1324  -  J1325  -  J1326  -  J1327  -  J1328  -  J1329     J1331  -  J1332  -  J1333     J1343
          J1347  -  J1348     J1407      J1408      J1410  -  J1411  -  J1412  -  J1413  -  J1414  -  J1415
       -  J1416  -  J1417  -  J1418  -  J1419  -  J1420  -  J1421     J1425      J1429      J1432  -  J1433
       -  J1434  -  J1435  -  J1436  -  J1437     J1439      J1443

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1422       J1441  -  J1442
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

```
001667   J1102  -  J1113     J1109     J1113  -  J1114     J1117  -  J1118  -  J1119  -  J1120     J1123
      -  J1124     J1128     J1130     J1137  -  J1138     J1143  -  J1144     J1202     J1206  -  J1207
      -  J1208     J1228  -  J1229  -  J1230  -  J1231  -  J1232  -  J1233     J1236  -  J1237     J1239
         J1247     J1301  -  J1302  -  J1303  -  J1304  -  J1305  -  J1306  -  J1307  -  J1308  -  J1309
         J1311  -  J1312     J1318     J1320     J1326  -  J1327     J1329     J1331     J1337  -  J1338
         J1342  -  J1343     J1439

001670   J1104     J1106  -  J1107 -  J1108     J111      J1112  -  1113   -  J1114  -  J1115  -  J1119
         J1124     J1126  -  J1127     J1129  -  J1130     J1137  -  J1138     J1144     J1146     J1202
      -  J1203  -  J1204     J1206  -  J1207     J1212  -  J1213     J1216     J1222     J1241     J1244
         J1301  -  J1302  -  J1303     J1305     J1307  -  J1308  -  J1309  -  J1318  -  J1311  -  J1312
         J1317  -  J1318  -  J1319  -  J1320     J1323  -  J1324  -  J1325  -  J1326  -  J1327  -  J1328
         J1332     J1336     J1339  -  J1340  -  J1341  -  J1342  -  J1343     J1348     J1405  -  J1406
         J1409     J1413     J1418     J1424  -  J1425     J1443

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1315

001702   J1336

002003   J1113

002420   J1204

003000   J1312     J1317

005750   J1227

010716   J1217

010770   J1228

012010   J1344

012030   J1318

040003   J1210

040030   J1302

040177   J1108

040203   J1421

041554   J1130

042072   J1426

053271   J1209
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

STOP										
054734	J1209									
061461	J1213									
061542	J1209	J1222								
061572	J1218									
061664	J1209									
061747	J1233									

063677   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1423

070714	J1222									
072003	J1332									
075000	J1424									
077760	J1209									
077770	J1426									
110060	J1301	J1424								
111111	J1102	J1106 -	J1107	J1109	J1116	J1124	J1130	J1143	J1201	J1203
	J1213	J1227	J1233	J1245	J1301	J1303	J1310	J1313	J1320	J1322
-	J1323	J1325	J1327	J1336	J1343 -	J1344	J1407 -	J1408	J1415 -	J1416
	J1421	J1424	J1431	J1439	J1443	J1446	J1447			

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1442

114035   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1321

120800	J1222	J1234	J1236							
165508	J1347									
177200	J1410	J1415	J1445							
200150	J1317									
200630	J1244									
220500	J1421	J1439								

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1315   J1334

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
241780    J1247

264720    J1431

400000    J1112    J1116    J1211    J1220    J1239    J1332    J1336    J1338    J1342    J1344
31420

400100    J1114

410000    J1413

641554    J1424

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1134

660025    J1104    J1107    J1137    J1214    J1220    J1242    J1304    J1323    J1346    J1438
          J1445

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1321

666230    J1384

670374    J1320

700000    J1103  - J1104  - J1105  - J1106  - J1107  - J1188  - J1109    J1111    J1113  - J1114
        - J1115    J1118  - J1119    J1121    J1123  - J1124  - J1125    J1129  - J1130    J1136
          J1137  - J1138  - J1139  - J1140    J1143    J1145    J1201  - J1202  - J1203    J1207
          J1207  - J1208  - J1209  - J1210  - J1211    J1213    J1217  - J1218  - J1219    J1222
        - J1223    J1228    J1232    J1233    J1235  - J1236  - J1237    J1239    J1241    J1243
        - J1244  - J1245  - J1246  - J1257    J1301    J1304  - J1305  - J1306  - J1307  - J1308
        - J1309  - J1310  - J1311    J1314    J1317  - J1318  - J1319  - J1320    J1322  - J1323
        - J1324  - J1325  - J1326    J1328  - J1329  - J1330    J1332  - J1333    J1335  - J1336
        - J1337  - J1338  - J1339  - J1340    J1341  - J1342  - J1343  - J1344  - J1345  - J1346
        - J1347  - J1348  - J1405  - J14086 - J1407  - J1408  - J1409  - J1418  - J1411  - J1412
        - J1413  - J1414  - J1415    J1418  - J1419  - J1420  - J1421    J1424  - J1425  - J1426
          J1436  - J1437  - J1438  - J1439  - J1443    J1445  - J1446  - J1447

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1135    J1248    J1315    J1321    J1334    J1442

700001    J1112    J1238    J1307    J1309    J1333

700002    J1103  - J1104    J1107, - J1108  - J1109    J1113    J1120  - J1121    J1125    J1128
        - J1129  - J1130    J1136  - J1137    J1139  - J1140    J1144  - J1145    J1201    J1204
          J1208    J1210    J1214    J1218  - J1219  - J1220    J1222    J1225    J1228    J1231
          J1234    J1302  - J1303  - J1304  - J1305  - J1306  - J1307    J1318    J1312  - J1313
          J1319    J1324    J1327    J1330  - J1331  - J1332  - J1333    J1335    J1338    J1340
          J1342  - J1343  - J1344  - J1345  - J1346  - J1347  - J1348    J1405  - J1486  - J1407
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

	J1409	-	J1410	-	J1411	-	J1412	-	J1413	-	J1414	-	J1415	-	J1416		J1415		J1418
	J1420	-	J1421		J1424	-	J1425		J1428		J1432		J1436		J1439		J1443		J1447

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1134 - J1135 J1422 J1444

700003	J1101	-	J1102	-	J1103	-	J1104		J3106		J1108		J1110	-	J1111		J1113	-	J1114
-	J1115	-	J1116	-	J1117	-	J1118	-	J1119		J1123		J1126	-	J1127	-	J1128	-	J1129
-	J1130		J1136	-	J1137	-	J1138		J1140		J1143	-	J1144	-	J1145	-	J1146		J1201
-	J1202	-	J1203	-	J1204	-	J1205		J1207		J1213		J1215	-	J1216		J1217		J1219
	J1223	-	J1224		J1226		J1229		J1232	-	J1233		J1235	-	J1236	-	J1237		J1239
	J1242		J1244	-	J1245	-	J1246		J1301	-	J1302	-	J1303	-	J1304		J1306	-	J1307
-	J1308	-	J1309		J1311	-	J1312	-	J1313	-	J1314		J1317	-	J1318	-	J1319	-	J1320
	J1322	-	J1323	-	J1324	-	J1325	-	J1326	-	J1327	-	J1328	-	J1329	-	J1330	-	J1331
	J1332	-	J1333		J1336	-	J1337		J1339	-	J1340	-	J1341	-	J1342		J1344		J1346
-	J1347	-	J1348		J1405	-	J1406	-	J1407	-	J1408	-	J1409	-	J1410	-	J1411	-	J1412
-	J1413	-	J1414	-	J1415	-	J1416	-	J1417	-	J1418	-	J1419	-	J1428	-	J1421		J1424
	J1426	-	J1427	-	J1428	-	J1429		J1431		J1435	-	J1436	-	J1437	-	J1438	-	J1439
	J1443		J1445	-	J1446	-	J1447												

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1133 J1248 J1315 - J1316 J1334 J1422

700005	J1227

700006	J1344

700010	J1238	J1342

700011	J1346	J1348

700020	J1208	J1238	J1331	-	J1332	J1336

700022	J1237	-	J1238

700023	J1337

700026	J1238

700027	J1332

700030	J1234	J1331

700032	J1308

700640	J1119	J1238	J1332	J1336

700044	J1344

700047	J1332	J1337	J1342

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

STOP										
706058	J1344									
708660	J1331 - J1332									
708061	J1103	J1238								
700064	J1119									
700065	J1336									
700066	J1119									
700071	J1332									
700072	J1344									
700075	J1233	J1332	J1342							
700076	J1212	J1317	J1331 - J1332	J1336						
706100	J1113	J1208	J1218	J1221						
704100	J2228									
710001	J1238									
710020	J1233									
740100	J1210 - J1211	J1213 - J1214	J1219	J1228						
774544	J1208									
774554	J1209									
774564	J1218									

775200   J1111   J113 - J1104 - J1105 - J1106 - J1107 - J1168 - J1189 - J1110 - J1111
    - J1112 - J1113 J1115 - J1116 - J1117 J1124 - J1125 J1128 J1130 J1136
    - J1137 - J1138 - J1139 - J1140 J1143 - J1144 - J1145 - J1146 J1201 - J1202
    - J1203 - J1264 - J1205 J1208 J1214 J1242 J1244 - J1245 - J1246 - J1247
    J1381 - J1302 - J1303 - J1384 - J1305 - J1306 - J1307 - J1308 - J1309 - J1310
    - J1311 - J1312 - J1313 - J1314 J1319 J1322 - J1323 J1333 J1335 J1342
    J1347 - J1348 J1485 - J1406 - J1407 - J1408 - J1409 - J1410 - J1411 J1418
    J1437 J1446

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1133   J1316   J1441   J1444

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP CONNECTORS

STOP									
808800	J1107	J1204	J1302						
8880004	J1106	J1110	J1112	J1130	J1146	J1206	J1245	J1246	J1301	J1302
	J1314	J1407	J1419	J1425	J1443				
000805	J1125								

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1248

000006	J1244	J1317	J1333	J1348	J1406	J1407	J1413	J1416	J1425	J1443
	J1445									
0000807	J1103	J1112	J1113	J1129						
000010	J1108	J1118	J1129	J1418						
000011	J1105	J1107	J1118	J1111	J1112	J1113	J1124	J1125	J1126	J1127
	J1129	J1130	J1145	J1146	J1202	J1203	J1204	J1205	J1209	J1216
	J1227	J1228	J1244	J1247	J1301	J1313	J1322	J1339	J1347	J1348
	J1406	J1407	J1409	J1413	J1418	J1425	J1439	J1443	J1445	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1133   J1441   J1444

000012	J1125

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1248

060014	J3106	J1244	J1247	J1407

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1441

000017	J1318

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1444

000020	J1114
000031	J1237

000033	1213	J1244	J1311	J1339	J1406	J1409	J1413

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1441

000037	J1215

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS DIAGNOSE STATUS		IOU OFF IOU OFF	CPU OFF CPU OFF						
STOP								**CONNECTORS**	
000050	J1201	J1204	J1213	J1219	J1426				
000054	J1237								
000132	J1348								
000203	J1239								
000350	J1209	J1227	J1311						
000352	J1336								
000442	J1219	J1222	J1227						
000735	J1303								
000775	J1102	J1140							
001001	J1144 J1439	J1202	J1237	J1303	J1305	J1307	J1310	J1322	J1333	J1343
001002	J1425								
001006	J1203								
001702	J1322								
002180	J1105	J1247	J1309	J1416	J1417	J1437			
002420	J1103 J1413	J1109 J1418	J1116	J1146	J1234	J1238	J1303	J1307	J1322	J1406
004000	J1418								
004100	J1145	J1303	J1307						
004420	J1116 J1407	J1148 J1445	J1228	J1237	J1238	J1324	J1329	J1335	J1336	J1343
012040	J1117 J1339	J1129 J1340	J1202 J1341	J1207 J1342	J1222 J1343	J1227	J1328	J1331	J1332	J1336
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: J1315								
012100	J1143	J1230	J1306						
012120	J1306	J1322							
020033	J1130	J1348	J1406	J1407					

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF							
DIAGNOSE STATUS	IOU OFF	CPU OFF							

STOP							CONNECTORS		
032180	J1414								
040772	J1228								
041500	J1418								
041554	J1439								
060033	J1406	J1487	J1413	J1418					
065732	J1201								
065750	J1213								
066777	J1201								
074040	J1234	J1320	J1329	J1331	J1332	J1338	J1409	J1414	
074100	J1136	J1216	J1244	J1348	J1407	J1425			
105000	J1124								
11111	J31112	J1125	J1130						

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1248

| 111101 | J1125 | | | | | | | | |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1248

165500	J1417								
174038	J1235	J1329	J1435						
174040	J1129	J1227	J1325	J1328	J1332	J1336	J1339	J1340	J1341	J1342
	J1343	J1418							

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1315

200020	J1104								
220500	J1314	J1324	J1333	J1339	J1341	J1406	J1419	J1420	
221000	J1326								
264560	J1408								

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF							
DIAGNOSE STATUS	IOU OFF	CPU OFF							

STOP   **CONNECTORS**

STOP									
274040	J1108	J1110	J1112	J1201	J1202	J1203	J1208	J1222	J1227	J1382
	J1325	J1328	J1332	J1336	J1339	J1340	J1341	J1411		

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1315

374040	J1332	J1339	J1340	J1341

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1315

400000	J1339	J1412	J1419

402004	J1388

410000	J1430

474040	J1207	J1332	J1337	J1338	J1339	J1340	J1341

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1315

581700	J1332

510008	J1343

510004	J1106	J1111	J1114	J1130	J1146	J1206	J1246	J1301	J1302	J1419

510005	J1125

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1248

510006	J1244	J1317	J1333	J1407	J1416	J1425	J1443	J1445

518007	J1129

510010	J1188	J1118	J1123	J1129

510011	J1126	J1205	J1227	J1244	J1303	J1327	J1406	J1412	J1413	J1416
	J1418	J1425	J1443	J1445						

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1444

510812	J1125

SUBSTITUTE THE FOLLOWIJING CARD ASSEMBLIES:
    J1248

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS **IOU OFF** **CPU OFF**
DIAGNOSE STATUS   **IOU OFF** **CPU OFF**

STOP   **CONNECTORS**

```
510017    J1228    -  J1229   J1308      J1405

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1315

510020       J1324

510021       J1112     J1125     J1140     J1143     J1146     J1209     J1227     J1328     J1343     J1410
             J1417  -  J1418     J1436  -  J1437

510033       J1130     J1244     J1311     J1339     J1348     J1406  -  J1407     J1411     J1413     J1418
             J1424  -  J1425
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1441  -  J1442

510050       J1209     J1227     J1311

511000       J1320

602214       J1201     J1204

602310       J1219

602314       J1204     J1213     J1219

640000       J1320     J1348

641554       J1245     J1346

666233       J1115

700800       J1104     J1108     J1111     J1115     J1126  -  J1127  -  J1128  -  J1129     J1139     J1143
             J1145     J1202     J1204     J1207  -  J1208     J1212     J1216     J1220     J1222     J1227
             J1229  -  J1230     J1233  -  J1234  -  J1235     J1239     J1242     J1244  -  J1245  -  J1246
          -  J1247     J1301     J1303  -  31304     J1306  -  31307     J1309     J1312  -  J1313  -  J1314
             J1317     J1320     J1323     J1325     J1327     J1328  -  J1329  -  J1330  -  J1331  -  J1332
          -  J1333     J1336  -  J1337  -  J1338  -  J1339  -  J1340  -  J1341  -  J1342  -  J1343  -  J1344
             J1347  -  J1348     J1405  -  J1406     J1408  -  J1489  -  J1410  -  J1411  -  J1412  -  J1413
          -  JI414     J1416  -  J1417  -  J1418  -  J1419  -  J1420  -  J1421     J1425  -  J1426     J1436
          -  J1437     J1443     J1445     J1447
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1441     J1442     J1444

700002       J1104     J1109     J1112     J1125     J1139     J1144     J1146     J1201     J1222     J1231
             J1234  -  J1235     J1239     J1304     J1311     J1317     J1320     J1328     J1331  -  J1332
             J1335     J1339     J1341     J1343     J1346     J1405  -  J1406     J1409  -  J1410  -  J1411
          -  J1412  -  J1413     J1415     J1418  -  J1419  -  J1420  -  J1421     J1425     J1436     J1443
             J1445     J1447
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1441

766003   J1108   J1115   J1121   J1125   J1136   J1146   J1202   J1213   J1239   J1246
           J1303   J1317   J1327   J1330   J1341 - J1342 - J1343   J1409   J1413   J1415
           J1417   J1421   J1424   J1431   J1438 - J1439   J1445 - J1446
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1316   J1441

700011   J1413

700024   J1204

737510   J1228

740228   J1342

772048   J1411   J1424 - J1425
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1442

777377   J1110   J115   J1125   J1130
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248

777577   J1125
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248

777677   J1112   J1115   J1125   J1130
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248

777737   J1125
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248

777757   J1125
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248
777767   J1111   J1125   J1127 - J1128
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
000003     31245

000407     J1317

001001     J1108      J1318      J1333

001003     J1107      J1238  -  J1239      J1329      J1333      J1335  -  J1336

001007     J1107      J1317      J1328      J1331      J1333

001017         J1107      J1112      J1114  -  J1115      J1118      J1127  -  J1128      J31144      J1146      J1205
           -   J1206  -  J1207      J1209      J1212      J1215      J1217  -  J1218      J1221   -   J1222      J1227
               J1230  -  J1231      J1234      J1239      J1302  -  J1303      J1317      J1325      J1329      J1333
               J1335  -  J1336  -  J1337  -  J1338      J1425

700000         J1107  -  J1108      J1112      J1114      J1118      J1120      J1127   -   J1128      J1146      J1205
           -   J1206  -  J1207  -  J1208  -  J1209      J1216      J1221  -  J1222      J1227      J1234      J1238
           -   J1239      J1244      J1302      J1317      J1325      J1329      J1331      J1333      J1335   -   J1336
               J1338      J1405      J1425
```

Change 4   2-142.13

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
000052   J1209

000770   J1319

001001   J1237

001003   J1203

001017   J1406

020017   J1111      J1418

030017   J1146      J1418

040017   J1418

050017   J1418

053777   J1222

061461   J1218

188817   J1125      J1244      J1406      J1410      J1413      J1418

100117   J1343

101082   J1143

181017   J1104      J1140      J1143      J1209      J1212      J1227      J1303      J1319      J1348      J1417
         J1436   -  J1437
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1133

181022   J1108      J1112

181023   J1410   -  J1411   -  J1412   -  J1413      J1416

111111   J1102      J1107      J1129      J1137      J1139   -  J1140      J1202      J1209      J1217      J1224
         J1229      J1240      J1244   -  J1245   -  J1246      J1301   -  J1302      J1304      J1307   -  J1308
         J1310      J1314      J1320      J1328   -  J1329   -  J1330      J1339      J1341   -  J1342      J1407
         J1414      J1417      J1419      J1421      J1425      J1436      J1438      J1445      J1447
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1321

220500   J1331

700080   J1124      J1216      J1224      J1237      J1348      J1410   -  J1411   -  J1412      J1416   -  J1417
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

70002   J3114   J1405   J1411

777777   J1211   J1218 - J1219 - J1220   J1239   J1246 - J1247   J1306   J1339   J1348
           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1315

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
000001    J1210  -  J1211  -  J1212  -  J1213    J1215    J1217  -  J1218    J1221    J1226    J1229
          J1236     J1241     J1322     J1327    J1337    J1344     J1428  -  J1429

000175    J1244

000633    J1205     J1306  -  J1307

000735    J1434

000775    J1218

800777    J1218

001205    J1312

001211    J1322

005203    J1125

040001    J1432
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1423

072001    J1332

177203    J1436

700001    J1113     J1119  -  J1210    J1212    J1215    J1217    J1222  -  J1223    J1237    J1306
          J1317     J1337     J1344    J1428    J1435
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1315     J1423

708003    J1112  -  J1113    J1210  -  J1211    J1213    J1219    J1228    J1324  -  J1325  -  J1326

700011    J1337     J1342     J1344

700013    J1233

700021    J1336

700041    J1332     J1338

700043    J1119

700045    J1119

700051    J1238
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

700057   J1332   J1336   J1342

748001   J1212   J1338

770501   J1236   J1317

774501   J1125   J1140   J1208   J1213   J1215   J1221   J1314
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248

777003   J1123 - J1125   J1139 - J1140   J1203   J1344   J1406 - J1407   J1409 - J1410
      J1413 - J1414   J1416   J1419   J1424   J1436   J1443   J1445
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1133   J1248

777013   J1107 - J31108   J1111   J1125   J1127 - J1128 - J1310   J1313 - J1314   J1347

777023   J1107 - J1108   J1115   J1125

777033   J1101   1103   J1113   J1246   J1309

777043   J1103   J1110   J1114 - J1115   J1117 - J111B - J1119 - J1120 - J1121   J1125
      J1212   J1214 - J1215   J1217 - J1218 - J1223 - J1224 - J1225 - J1226   J1230
    - J1231   J1233 - J1234   J1235 - J1236 - J1237   J1310   J1312   J1318   J1327
      J1338   J1344   J1408

777103   J1112   J1115   J31125

777143   J1102   J1113   J31115   J1118   J1121   J1130

777201   J1101 - J1102 - J1103   J1106 - J1107 - J1108 - J1109   J1111 - J1112 - J1113
      J1116   J1118 - J1119 - J1120   J1125   J1130   J1137   J1140   J1144   J1201
    - J1202 - J1203 - J1204 - J1205   J1207 - J1208 - J1209 - J1210 - J1211 - J1212
    - J1213 - J1214 - J1215   J1217 - J1218 - J1219   J1221 - J1222   J1224 - J1225
    - J1226 - J1227 - J1228   J1231 - J1232 - J1233 - J1234   J1237 - J1238 - J1239
      J1245   J1301 - J1302 - J1303   J1305 - J1306 - J1307 - J1308 - J1309   J1311
    - J1312 - J1313 - J1314   J1318   J1320   J1324 - J1325 - J1326 - J1327 - J1328
    - J1329   J1331 - J1332 - J1333   J1336 - J1337 - J1338   J1342 - J1343 - J1344
      J1405   J1407   J1416   J1426 - J1427 - J1428   J1430   J1432 - J1433 - J1434
    - J1435
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248   J1423

777203   J1110   J1117 - J1118   J1125   J1139 - J1140   J1203   J1207
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1248

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS　　**IOU OFF**　　**CPU OFF**
DIAGNOSE STATUS　　**IOU OFF**　　**CPU OFF**

STOP　　　　　　　　　　　　　　　　　　　　　　　　　　**CONNECTORS**

```
777343    J1102    J1106      J1108      J1113      J1115 - J1116 - J1117 - J1118 - J1119 - J1120
          J1123    J1125 -    J1126      J1128      J1204   J1206   J1212   J1214 - J1215   J1217
        - J1218 -  J1221 -    J1222 -    J1223 -    J1224 - J1225   J1227 - J1228 - J1229 - J1230
        - J1231 -  J1232 -    J1233 -    J1234 -    J1235 - J1236 - J1237 - J1238 - J1239   J1241
          J1310    J1312      J1319 -    J1320      J1322 - J1323 - J1324 - J1325 - J1326   J1328
        - J1329 -  J1330 -    J1331 -    J1332 -    J1333   J1335 - J1336 - J1337 - J1338   J1342
        - J1343    J1405      J1426      J1428 -    J1429 - J1430   J1432   J1434   J1445

777363    J1310

777403    J1110    J1115      J1125      J1312

777503    J1106    J1112      J1115      J1130

777603    J1102    J1113      J1115      J1118      J1130

777773    J1107    J1112      J1301      J1305 -    J1306   13067 - J1308 - J1309   J1314
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

000021   J1221

777201   J1343

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

777201   J1331

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
775277    J1108      J1130      J1145      J1146      J1245      J1335      J1418      J1437

777003    J1139

777007    J1181  -  J1102  -  J1103  -  J1104  -  J1105  -  J1106  -  J1107  -  J1108  -  J1109  -  J1110
      -  J1111  -  J1112  -  J1113  -  J1114  -  J1115  -  J1116  -  J1117  -  J1118  -  J1119  -  J1120
      -  J1121     J1123  -  J1124  -  J1125  -  J1126  -  J1127  -  J1128     J1130     J1136  -  J1137
      -  J1138  -  J1139  -  J1140     J1143  -  J1144  -  J1145  -  J1146     J1201  -  J1202  -  J1203
      -  J1204  -  J1205  -  J1206  -  J1207  -  J1208  -  J1209  -  J1210  -  J1211  -  J1212  -  J1213
      -  J1214  -  J1215  -  J1216  -  J1217  -  J1218  -  J1219  -  J1220  -  J1221  -  J1222  -  J1223
      -  J1224  -  J1225  -  J1226  -  J1227  -  J1228  -  J1229  -  J1230  -  J1231  -  J1232  -  J1233
      -  J1234  -  J1235  -  J1236  -  J1237  -  J1238  -  J1239     J1241  -  J1242     J1244  -  J1245
      -  J1246  -  J1247  -  J1301  -  J1302  -  J1303  -  J1304  -  J1305  -  J1306  -  J1307  -  J1308
      -  J1309  -  J1310  -  J1311  -  J1312  -  J1313  -  J1314     J1317  -  J1318  -  J1319  -  J1320
         J1322  -  J1323  -  J1324  -  J1325  -  J1326  -  J1327  -  J1328  -  J1329     J1331  -  J1332
      -  J1333     J1335  -  J1336  -  J1337  -  J1338     J1342  -  J1343  -  J1344     J1346  -  J1347
      -  J1348     J1405  -  J1406  -  J1407  -  J1408  -  J1409  -  J1410     J1412  -  J1413     J1416
         J1418  -  J1419  -  J1420  -  J1421     J1426  -  J1427  -  J1428  -  J1429  -  J1430  -  J1431
      -  J1432  -  J1433  -  J1434  -  J1435     J1437  -  J1438  -  J1439     J1443     J1445  -  J1446
      -  J1447
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1133     J1315     J1334     J1423

777017    J1181  -  J1102  -  J1103  -  J1104  -  J1105  -  J1106  -  J1107  -  J1108  -  J1109  -  J1110
      -  J1111  -  J1112  -  J1113  -  J1114  -  J1115  -  J1116  -  J1117  -  J1118     J1120  -  J1121
         J1124  -  J1127  -  J1128  -  J1130     J1136  -  J1137  -  J1138     J1144  -  J1145  -  J1146
         J1201  -  J1202  -  J1203  -  J1204  -  J1205  -  J1206  -  J1207  -  J1208     J1213  -  J1214
      -  J1215     J1222  -  J1223  -  J1224     J1226     J1228  -  J1229     J1235     J1239     J1241
      -  J1242  -  J1243     J1245  -  J1246  -  J1247     J1301  -  J1302  -  J1303  -  J1304  -  J1305
      -  J1306  -  J1307  -  J1308  -  J1309  -  J1310  -  J1311  -  J1312  -  J1313  -  J1314     J1317
      -  J1318  -  J1319  -  J1320     J1322  -  J1323  -  J1324  -  J1325  -  J1326  -  J1327  -  J1328
      -  J1329     J1333     J1335     J1337     J1347     J1348     J1405  -  J1406     J1408     J1413
         J1418     J1420  -  J1421     J1426  -  J1427  -  J1428  -  J1429  -  J1430  -  J1431  -  J1432
      -  J1433  -  J1434  -  J1435     J1439     J1446
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1315     J1423     J1431     J1444

777037    J1181  -  J1102  -  J1103  -  J1104     J1186  -  J1107     J1109     J1113     J1115  -  J1116
         J1136  -  J1137     J1202     J1204     J1206  -  J1207  -  J1208     J1213     J1247     J1305
         J1308  -  J1309  -  J1310  -  J1311  -  J1312  -  J1313  -  J1314     J1319  -  J1320     J1325
         J1327     J1348     J1413     J1421

777047    J1108     J1110  -  J1111  -  J1112  -  J1113  -  J1114  -  J1115  -  J1116  -  J1117  -  J1118
      -  J1119  -  J1120  -  J1121     J1123     J1125  -  J1126     J1128  -  J1129     J1137     J1143
      -  J1144     J1204     J1207     J1212     J1215  -  J1216  -  J1217  -  J1218     J1221  -  J1222
      -  J1223  -  J1224  -  J1225  -  J1226  -  J1227  -  J1228  -  J1229  -  J1230  -  J1231  -  J1232
      -  J1233  -  J1234  -  J1235  -  J1236  -  J1237  -  J1238  -  J1239     J1244     J1381  -  J1382
         J1307     J1309  -  J1310     J1318     J1320     J1323  -  J1324  -  J1325  -  J1326  -  J1327
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

```
        -  J1328  -  J1329  -  J1330  -  J1331  -  J1332  -  J1333     J1335  -  J1336  -  J1337  -  J1338
           J1342  -  J1343  -  J1344     J1348     J1405     J1408     J1411     J1426  -  J1427  -  J1428
        -  J1429  -  J1430     J1432  -  J1433  -  J1434  -  J1435     J1445

777057     J1110  -  J1111  -  J1112     J1116  -  J1117  -  J1118     J1120  -  J1121     J1123     J1128
        -  J1129     J1212     J1215     J1218     J1222  -  J1223  -  J1224  -  J1225  -  J1226     J1228
        -  J1229  -  J1230     J1232  -  J1233     J1302     J1317     J1322     J1324  -  J1325  -  J1326
           J1328  -  J1329     J1333     J1428     J1429  -  J1430

777077     J1130     J1319

777137     J1117  -  J1I18

777147     J1102  -  J1103     J1107     J1110     J1113     J1116  -  J1117     J1121     J1222  -  J1223
           J1229     J1328     J1333

777177     J1101  -  J1102  -  J1103     J1106  -  J1107     J1189     J1114  -  J1115  -  J1116     J1137
           J1143  -  J1144  -  J1145  -  J1146     J1203     J1205  -  J1206  -  J1207  -  J1208     J1210
           J1212  -  J1213  -  J1214  -  J1215  -  J1216  -  J1217  -  J1218     J1220     J1234     J1238
           J1244     J1246  -  J1247     J1301  -  J1302     J1305     J1307  -  J1308     J1310  -  J1311
        -  J1312  -  J1313  -  J1314     J1317     J1319     J1326  -  J1327     J1339     J1348     J1409
           J1414  -  J1415  -  J1416  -  J1417     J1436  -  J1437     J1439     J1446
           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1315  -  J1316

777207     J1206

777227     J1125     J1310

777257     J1118     J1302  -  J1303  -  J1304     J1310     J1313  -  J1314

777275     J1145     J1245     J1342

777347     J1102  -  J1103     J1106  -  J1107  -  J1108     J1116  -  J1111  -  J1112  -  J1113  -  J1114
        -  J1115  -  J1116  -  J1117  -  J1118  -  J1119  -  J1120  -  J1121     J1123  -  J1124  -  J1125
        -  J1126  -  J1127  -  J1128  -  J1129  -  J1130     J1136     J1137     J1143     J1202  -  J1203
        -  J1204  -  J1205  -  J1206  -  J1207  -  J1208     J1212     J1214  -  J1215     J1217  -  J1218
           J1221  -  J1222  -  J1223  -  J1224  -  J1225  -  J1226  -  J1227  -  J1228  -  J1229  -  J1230
        -  J1231  -  J1232  -  J1233  -  J1234  -  J1235  -  J1236  -  J1237  -  J1238  -  J1239     J1241
        -  J1242     J1244     J1246     J1301  -  J1302     J1305  -  J1306  -  J1307     J1310     J1312
           J1317  -  J1318  -  J1319  -  J1320     J1322  -  J1323  -  J1324  -  J1325  -  J1326  -  J1327
           J1328  -  J1329  -  J1330  -  J1331  -  J1332  -  J1333     J1335  -  J1336  -  J1337  -  J1338
           J1342  -  J1343  -  J1344     J1405     J1426  -  J1427  -  J1428  -  J1429  -  J1430     J1432
        -  J1433  -  J1434  -  J1435     J1438     J1445
           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1133
```

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

777357
J1101 - J1102 - J1103   J1105 - J1106 - J1107   J1110 - J1111 - J1112 - J1113
J1115 - J1116 - J1117 - J1118 - J1119 - J1120 - J1121   J1123 - J3112 - J1125
J1127 - J1128 - J1129 - J1130   J1136 - J1137 - J1138   J1204 - J1205 - J1206
J1212   J1215   J1217   J1221 - J1222 - J1223 - J1224 - J1225 - J1226 - J1227
J1229 - J1230 - J1231   J1235 - J1236 - J1237   J1246   J1301 - J1302 - J1303
J1317 - J1318   J1322 - J1323 - J1324   J1326 - J1327 - J1328   J1333   J1347
J1406   J1408   J1420   J1426 - J1427 - J1428 - J1429
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1133

777367   J1115   J1125   J1130   J1137   J1301   J1310

777377
J1102   J1106 - J1107   J1128   J1130   J1136   J1145   J1202   J1205   J1207
J1215   J1217 - J1218   J1222   J1302   J1311   J1313 - J1314   J1318

777607   J1214

777637   J1101 - J1102   J1113   J1439

777737   J1118

777717   J1115

777737   J1110   J1118

777747
J1101 - J1102   J1104   J1106 - J1107   J1110 - J1111   J1113   J1115 - J1116
J1325

777757   J1101   J1107 - J1107 - J1108   J1115 - J1116   J1214   J1311   J1313

777767   J1137   J1313 - J1314

777777
J1101 - J1102 - J1103 - J1104 - J1105 - J1106 - J1107 - J1108 - J1109 - J1110
- J1111 - J1112 - J1113 - J1114 - J1115 - J1116 - J1117 - J1118 - J1119   J1123
- J1124 - J1125 - J1126 - J1127 - J1128 - J1129 - J1130   J1136 - J1137 - J1138
J1140   J1143 - J1144 - J1145 - J1146   J1201 - J1202 - J1203 - J1204 - J1205
- J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213 - J1214   J1215
- J1216 - J1217 - J1218 - J1219 - J1220 - J1221 - J1222 - J1223 - J1224 - J1225
J1227 - J1228 - J1229 - J1230 - J1231 - J1232 - J!233 - J1234 - J1235   J1236
- J1237 - J1238 - J1239   J1242   J1244 - J1245 - J1246 - J1247   J1301 - J1302
- J1303 - J1304 - J1305 - J1306 - J1307 - J1308 - J1309 - J1310 - J1311 - J1312
- J1313 - J1314   J1317 - J1318 - J1319 - J1320   J1322 - J1323   J1325   J1327
- J1328 - J1329   J1331   J1333   J1335   J1337 - J1338 - J1339   J1342 - J1343
- J1344   J1347 - J1348   J1405 - J1406 - J1407 - J1408 - J1409 - J1410 - J1411
- J1412 - J1413 - J1414 - J1415 - J1416 - J1417 - J1418 - J1419 - J1420 - J1421
J1424 - J1425 - J1426   J1433   J1436 - J1437 - J1438 - J1439   J1443   J1445
- J1446 - J1447
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1133   J1248   J1315 - J1316   J1321   J1334   J1422 - J1423   J1441 - J1442
J1444

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

777777   J1443

TABLE 2-3. IOU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS **IOU OFF** **CPU OFF**
DIAGNOSE STATUS **IOU OFF** **CPU OFF**

STOP **CONNECTORS**

000000 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1134

777777 J1331 J1437

Change 4 2-142.25

TABLE 2-4. BUFFER UNIT FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
0808800    J1115  -  J1116  -  J1117     J1202  -  J1203  -  J1204     J1211     J1216  -  J1217
        -  J1218  -  J1219  -  J1220  -  J1221  -  J1222  -  J1223  -  J1224  -  J1225     J1230
           J1237  -  J1238     J1302  -  J1303     J1327  -  J1328  -  J1329  -  J1330  -  J1331
        -  J1332     J1334     J1339     J1345     J1429  -  J1430     J1434     J1532
           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1335

000771     J1329

080776     J1226

000777     J1221

001000     J1216     J1322

001083     J1123     J1125     J1422     J1435     J1534

001005     J1406

001006     J1123     J1138     J1212     J1324     J1408     J1414

001012     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1238

001057  J1204     J1206     J1214     J1223     J1240     J1316     J1414     J1430

001062     J1112  -  J1113     J1115  -  J1116  -  J1117  -  J1118  -  J1119  -  J1120     J1122
        -  J1123  -  J1124  -  J1125  -  J1126  -  JI1127    J1129     J1131  -  J1132     J1134  -
           J1135  -  J1136  -  J1137  -  J1138     J1140     J1202  -  J1203     J1205  -  J1206
           J1214     J1223  -  J1224     J1315  -  J1316     J1318     J1321  -  J1322  -  J1323
           J1327  -  J1328  -  J1329  -  J1330  -  J1330  -  J1331     J1334  -  J1335  -  J1336
        -  J1337  -  J1338     J1408  -  J1409     J1413     J1415  -  J1416     J1420     J1422  -
           J1423     J1428  -  J1429  -  J1430     J1432     J1434     J1436  -  J1437  -  J1438
           SUBSTITUTE THE FOLLOWJING CARD ASSEMBLIES:
           J1128     J1332     J1431     J1432

001200     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1548

001201     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1548

001203     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1547  -  J1548

001666     J1112  -  J1113     J1115  -  J1116  -  J1117  -  J1118  -  J1119  -  J1120     J1122
        -  J1123  -  J1124  -  J1125  -  J1126  -  J1127     J1129     J1130  -  J1131  -  J1132
           J1134  -  J1135  -  J1136  -  J1137  -  J1138  -  J1139  -  J1140     J1313  -  J1314
```

Change 4   2-142.26

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
         -  J1315  -  J1316  -  J1317  -  J1318     J1321  -  J1322  -  J1323  -  J1324     J1327
         -  J1328  -  J1329  -  J1330     J1332     J1334     J1336  -  J1337  -  J1338     J1406  -
            J1407  -  J1408  -  J1409  -  J1410  -  J1411     J1413  -  J1414  -  J1415  -  J1416
            J1418     J1420  -  J1421  -  J1422  -  J1423     J1425     J1427  -  J1428  -  J1429
         -  J1430  -  J1431  -  J1432     J1434     J1436     J1444     J1511
            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1128     J1201     J1325     J1335     J1417     J1431     J1435     J1548

001667      J1112  -  J1113     J1115  -  J1116  -  J1117  -  J1118  -  J1119  -  J1120     J1122
            J1131  -  J1132     J1134  -  J1135  -  J1136  -  J1137  -  J1138  -  J1139  -  J1140
            J1444
            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1128

001670      J1117  -  J1118     J1123     J1132     J1135     J1428     J1431     J1444

001704      J1124

002003      J1210     J1229     J1320  -  J1321     J1330  -  J1331     J1334     J1346     J1486
            J1446     J1547

002420      J1126     J1221
            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1216

014002      J1323

041800      J1227

041554      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1146

100010      J1115  -  J1116

100020      J1117

1080050     J1115  -  J1116     J1429  -  J1430

101776      J1220

111111      J1112     J1118     J1120     J1124     J1126     JI135     J1137     J1202     J1204
         -  J1205     J1208     J1219     J1221     J1223  -  J1224     J1226     J1228     J1245
            J1301  -  J1302  -  J1303     J1310  -  J1311     J1313  -  J1314     J1320     J1322
         -  J1323     J1327     J1331     J1334  -  J1335     J1338  -  J1339     J1406  -  J1407
            J1409     J1413     J1416     J1420  -  J1421     J1424     J1428     J1430     J1434
            J1527  -  J1528  -  J1529     J1531     J1534     J1537
            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1332     J1425     J1446     J1511     J1518
```

Change 4   2-142.27

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
114035    J1221      J1225      J1301      J1534

228560    J1115      J1123      J1202      J1207      J1220   -  J1221      J1302      J1308      J1310
          J1320      J1343      J1421      J1530      J1534
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1238

221000    J1137      J1423      J1527

264550    J1309      J1337

330030    J1320

480066    J1120      J1135      J1440

4160800   J1117      J1218      J1307

441554    J1320      J1322

510000    J1117      J1138      J1206      J1210      J1212      J1218   -  J1219      J1224      J1236
          J1302   -  J1303      J1311      J1342

681554    J1310

641554    J1219      J1225   -  J1226   J1535   J1540

660025    J1113      J1118      J1120      J1131      J1203   -  J1204   -  J1205      J1208      J1215
          J1218      J1222   -  J1223      J1225   -  J1226      J1309      J1313      J1315      J1323
          J1328   -  J1329   -  J1330      J1334      J1466      J1415      J1420   -  31421   -  J1422
          J1430      J1436      J1529
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1238      J1246

666230    J1229      J1413      J1424
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1546

666233    J1415      J1541

675000    J1230      J1314

7080666   J1112   -  J1113      J1115   -  J1116      J1118   -  J1119   -  J1120      J1122   -  31123
       -  J1124   -  J1125   -  J1126   -  J1127      J1129   -  J1130   -  J1131      J1134   -  J1135
       -  J1136   -  J1137   -  J1138   -  J1139   -  J1140      J1202   -  31203   -  J1204   -  J1205
       -  J1206   -  J1207   -  J1208   -  J1209   -  J1210   -  J1211   -  J1212   -  J1213   -  J1214
       -  J1215      J1217   -  J1218   -  J1219   -  J1220   -  J1221   -  J1222   -  J1223   -  J1224
       -  J1225   -  J1226   -  J1227   -  J1228   -  J1229   -  J1230   -  J1231   -  J1232   -  J1233
```

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
         -  J1234  -  J1235  -  J1236  -  J1237     J1239  -  J1240  -  J1241  -  J1242  -  J1243
         -  J1244     J1301  -  J1302  -  J1303     J1306  -  J1307  -  J1308  -  J1309  -  J1310
         -  J1311     J1313  -  J1314  -  J1315  -  J1316  -  J1317     J1320  -  J1321  -  J1322
         -  J1323  -  J1324     J1327  -  J1328  -  J1329  -  J1330  -  J1331     J1334  -  J13S5
         -  J1336  -  J1337  -  J1338  -  J1339  -  J1340  -  J1341     J1342     J1344     J1345
            J1406  -  J1407  -  J1408  -  J1409  -  J1410     J1413  -  J1414  -  J1415  -  J1416
         -  J1417     J1420  -  J1421  -  J1422  -  J1423  -  J1424     J1427  -  J1428  -  J1429
         -  J1430     J1434  -  J1435  -  J1436     J1438  -  J1439  -  J1440     J1442     J1444
            J1527  -  J1528  -  J1529  -  J1530  -  J1531     J1534  -  J1535     J1537  -  J1538
         -  J1539  -  J1540     J1543     J1545
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1128     J1143  -  J1144     J1216     J1238     J1246     J1318     J1332     J1346
            J1411     J1418     J1425     J1432     J1446     J1511     J1518     J1525     J1532
            J1546  -  J1547  -  J1548

700001      J1406

700002      J1112  -  J1113     J1115  -  J1116  -  J1117  -  JlI18  -  J1119     J1122     J1124
         -  J1125  -  J1126     J1131     J1135  -  J1136  -  J1137     J1139  -  J1140     J1202
         -  J1203  -  J1204  -  J1205  -  J1206  -  J1207  -  J1208  -  J1209  -  J1210  -  J1211
         -  J1212  -  J1213  -  J1214  -  J1215     J1217  -  J1218     J1220  -  J1221  -  J1222
         -  J1223  -  J1224  -  J1225  -  J1226  -  J1227  -  J1228  -  J1229  -  J1230  -  J1231
         -  J1232  -  J1233  -  J1234  -  J1235  -  J1236     J1241     J1244  -  J1245     J1301
         -  J1302  -  J1303     J1306  -  J1307  -  J1308  -  J1309  -  J1310  -  J1311     J1313
         -  J1314     J1316  -  J1317     J1320  -  J1321  -  J1322  -  J1323  -  J1324     J1327
            J1329     J1331     J1334     J1339     J1342  -  J1343  -  J1344     J1406  -  J1407
         -  J1408  -  J1409  -  J1410     J1413  -  J1414  -  J1415     J1417     J1420  -  J1421
            J1423  -  J1424     J1428  -  J1429  -  J1430     J1435     J1444     J1528  -  J1529
         -  J1530  -  J1531     J1535  -  J1536  -  J1537  -  J1538  -  J1539     J1541     J1545
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1145     J1201     J1216     J1238     J1246     J1318     J1332     J1446     J1511
            J1546  -  J1547

700003      J1112     J1115  -  J1116     J1118  -  J1119  -  J1120     J1122  -  J1123     J1125
         -  J1126  -  J1127     J1129  -  J1130  -  J1131  -  J1132     J1135  -  JI1136     J1139
         -  J1140     J1202  -  J1203  -  J1204     J1206  -  J1207  -  J1208  -  J1209     J1211
         -  J1212  -  J1213  -  J1214     J1218  -  J1219  -  J1220  -  J1221  -  J1222     J1224
            J1227  -  J1228     J1230     J1232     J1235  -  J1236  -  J1237     J1243     J1301
         -  J1302  -  J1303     J1306     J1309  -  J1310  -  J1311     J1313  -  J1314  -  J1315
         -  J1316  -  J1317     J1321     J1323  -  J1324     J1327  -  J1328     J1330     J1334
            J1406  -  J1407  -  J1408  -  J1409     J1413  -  J1414  -  J1415  -  J1416  -  J1417
            J1420  -  J1421  -  J1422     J1424     J1427  -  J1428  -  J1429  -  J1430  -  J1431  -
            J1432     J1434  -  J1435     J1439     J1445     J1527     J1529     J1531     J1534
            J1537     J1539  -  J1540
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1145     J1216     J1246     J1318     J1325     J1346     J1411     J1418     J1431
         -  J1432     J1446     J1511     J1518     J1525     J1546
```

Change 4   2-142.29

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP				CONNECTORS
700433	J1423			
775208	J1334	J1434	J1534	

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

000000   J1112 J1116

080003   J1210

000004
J1112 - J1113   J1115 - J1116 - J1117 - J1118 - J1119 - J1120   J1122 - J1123
- J1124 - J31125 - J1126   J1129 - J1130 - J1113 - J1132   J1134 - J1135 - J1136
- J1137 - J1138 - J1139 - J1140   J1427   J1430
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J31128   J1201   J1431

000005
J1123   J1131   J1137
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1548

000006
J1113   J1118 - J1119 - J1120   J1123   J1129   J1131   J1135 - J1136 - J1137
- J1138 - J1139 - J1140   J1142   J1427   J1430   J1432
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1143 - J1144   J1431

000007   J1129   J1131   J1134

i000010
J1117   J1123 - J1124 - J1125   J1127   J1130 - J1131 - J1132   J1134   J1136
- J1137

000011
J1112 - J1113   J1117 - J1118 - J1119 - J1120   J1122 - J1123 - J1124 - J1125
- J1126 - J1127   J1129 - J1130 - J1131 - J1132   J1134 - J1135 - J1136 - J1137
- J1138 - J1139 - J1140   J1240   J1313   J1320   J1323   J1327   J1330   J1406
J1413   J1420   J1427   J1430   J1511
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1128   J1145   J1431

000012   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1548

000014   J1130   J1132   J1134   J1406

000016   J1120

000033
J1313   J1280   J1327 - J1328   J1330 - J1331   J1342   J1345   J1406   J1413
J1420   J1427   J1511

00152   J1137

080350   J1331

000754   J1229

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

000775   J1410

001000   J1209

001500   J1117

002100   J1327 - J1328 - J1329 - J1330 - J1331 - J1332   J1334   J1348   J1342

002420   J1202   J1301   J1315   J1328 - J1329 - J1330 - J1331 - J1332   J1334
            J1341 - J1342 - J1343 - J1344

004420   J1112 - J1113   J1119 - J1120   J1124 - J1125   J1127   J1129 - J1138
     - J1131   J1136   J1139 - J1140   J1203   J1432
            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1144   J1431

010033   J1327   J1331

012100   J1329 - J1330 - J1331   J1334   J1345

022100   J1332

032100   J1332

040033   J1330 - J1331   J1343

041000   J1320

041500   J1140

042100   J1332

052100   J1332

060633   J1330 - J1331   J1344

062100   J1332

070033   J1330 - J1331   J1344

072100   J1332

074100   J1115   J1117   J1124 - J1125 - J1126   J1129   J1131 - J1132   J1138   J1328
            J1413   J1420   J1511

111011   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1548

111101   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1548

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

111111   J1112
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1446   J1546

111573   J1204

165500   J1126   J1135   J1309

220580   J1117   -   J1118   J1126   J1132   J1204   -   J1205   -   J1206   J1212   J1217
      J1221   J1224   J1227   J1308   J1311   J1314   J1324   J1413   J1421
      J1527
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1318   J1532

220501   J1125

221000   J1115

264550   J1221

314000   J1135

400000   J1117   J1135   J1138   -   J1139   J1205   J1327

501700   J1113   J1227

5108800   J1118   -   J1119   -   J1120   J1129   J1138   J1203   J1207   J1209   J1212
    -   J1213   J1217   -   J1218   J1221   J1223   -   J1224   -   J1225   J1233   J1307

510004   J1112   -   J1113   J1115   -   J1116   -   J1117   -   J1318   -   J1119   -   J1120   J1122
    -   J1123   -   J1124   -   J1125   -   J1126   J1129   -   J1130   -   J1131   J1134   -   J1135
    -   J1136   -   J1137   -   J1138   -   J1139   -   J1140
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1128   J1201   J1216

510005   J1123   J1131   J1137
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1548

510006   J1113   J1118   -   J1119   -   J1120   J1123   J1129   -   J1130   -   J1131   J1135
    -   J1136   -   J1137   -   J1138   -   J1139   -   J1140   J1427   J1430   -   J1431
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1142   -   J1143   -   J1144

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

516807   J1129 - J1138 - J1131   J1134

51008818   J1117   J1123 - J1124 - J1125   J1127   J1130 - J1131 - J1132   J1134
         - J1135   J1137

51008811   J1113   J1117 - J1118 - J1119 - J1120   J1122 - J1123 - J1124 - J1125
         - J1126 - J1127   J1129 - J1130 - J1131 - J1132   J1134 - J1135 - J1136
         - J1137 - J1138 - J1139 - J1140   J1427   J1431
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1128   J1145

51008812   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1548

510013   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1144

510014   J1134

510026   J1125   J1444

518021   J1120   J1202 - J1203 - J1204 - J1205 - J1206 - J1207 - J1208 - J1289
         - J1210 - J1211 - J1212 - J1213 - J1214 - J1215   J1217 - J1218 - J1219
         - J!220 - J1221 - J1222 - J1223 - J1224 - J1225 - J1226 - J1227 - J1228
         - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236 - J1237
         J1239 - J1240 - J1241 - J1242 - J1243 - J1244 - J1245   J1301 - J1382
         - J1383   J1306 - J1307 - J1388 - J1309 - J1310 - J1311   J1327 - J1328
         - J1329 - J1338 - J1331   J1334 - J1335   J1340 - J1341 - J1342 - J1343
         - J1344 - J1345
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1128   J1281   J1216   J1238   J1246   J1318   J1325   J1332   J1346

510033   J1313   J1326   J1323   J1327 - J1328   J1330 - J1331   J1342 - J1343
         - J1344   J1406   J1413   J1428   J1427   J1436
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1216   J1511

510050   J1331

640068   J1116   J1119   J1136   J1210   J1220

641554   J1118   J1242

660025   J1116   J1283

666236   J1434

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
675800   J1310
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1525

700000   J1115 - J1116 - J1117 - J1118 - J1119 - J1120   J1122 - J1123 - J1124
       - J1125 - J1126 - J1127   J1129 - J1130 - J1131 - J1132   J1134 - J1135
       - J1136 - J1137 - J1138 - J1139 - J31140   J1202 - J1203 - J1204 - J1205
       - J1206 - J1207   J1289 - J1210   J1213 - J1214 - J1215   J1218   J1221
       - J1222 - J1223 - J1224 - J1225 - J1226 - J1227 - J1228   J1232   J1237
         J1245   J1301 - J1302   J1306   J1308   J1311   J1313   J1315 - J1316
       - J1317   J1320   J1322   J1327 - J1328 - J1329 - J1330   J1334   J1338
         J1340   J1343   J1345   J1406   J1408 - J1409 - J1410   J1414 - J1415
       - J1416   J1428   J1422 - J1423   J1428 - J1429 - J143-   J1527 - J1528
       - J1529 - J1530 - J1531   J1534   J1543
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1128   J1144   J1246   J1332   J1346   J1425   J1446   J1525

700002   J1113   J1116 - J1117 - J1118 - J1119 - J1120   J1122 - J1123 - J31124
       - J1125 - J1126 - J1127   J1'29 - J1130 - J1131 - J1132   J1136 - J1137
       - J1138 - J1139 - J1140   J1202 - J1203 - J1204 - J1205 - J1206   J1208
       - J1209 - J1218 - J1211   J1214 - J1215   J1217 - J1218 - J1219 - J1220
       - J1221 - J1222 - J1223 - J1224 - J1225 - J1226 - J1227   J1229   J1232
         J1237   J1303   J1308   J1310   J1313   J1322   J1330   J1429   J1538
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1346   J1418   J1446   J1532

700003   J1113   J1116 - J1117   J1125 - J1126 - J1127   J1130   J1132   J1138
       - J1139 - J1140   J1204 - J1205   J1208 - J1209 - J1210   J1214   J1218
         J1229   J1235   J1303   J1306   J1341   J1409   J1416 - J1417   J1422
         J1531
         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1281

700011   J1117   J1127

740220   J1203   J1205

770503   J1205

772040   J1216   J1323   J1430

7745880  J1140

777377   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1548
```

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

777577   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1548

777677   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1548

777737   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1548

777757   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1548

777767   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1548

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

001017   J1130   J1135 - J1136   J1138   - J1139   J1444
           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1431

700000   J1135 - J1136   J1138 - J1139   J1542

Change 4   2-142.37

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

000017   J1223   J1225

010017   J1210   J1212   J1332

011022   J1331

100117   J1206   J1226

100322   J1327

100601   J1236

100617   J1232

100717   J1309

101001   J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213   J1217 - J1218   J1221
               J1236 - J1237   J1310

101002   J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212   J1217 - J1218   J1221
               J1234 - J1235   J1310

101004   J1207   J1209 - J1210 - J1211 - J1212   J1217   J1221   J1232   J1311

101007   J1213

1el010   J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212   J1217 - J1218   J1230
      - J1231   J1311

101016   J1210   J1213 - J1214

101017   J1120   J1202 - J1203 - J1204 - J1205 - J1206 - J1207 - J1208 - J1209 - J1210
      - J1211 - J1212 - J1213 - J1214 - J1215 - J1216 - J1217 - J1218 - J1219 - J1220
      - J1221 - J1222 - J1223 - J1224 - J1225 - J1226 - J1227 - J1228 - J1229 - J1230
      - J1231 - J1232 - J1233 - J1234 - J1235 - J1236 - J1237 - J1238 - J1239 - J1240
      - J1241 - J1242 - J1243 - J1244 - J1245   J1301 - J1302 - J1303   J1306 - J1307
      - J1308 - J1309 - J1310 - J1311   J1318   J1327 - J1328 - J1329 - J1330 - J1331
        J1334
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1128   J1201   J1325   J1335

101022   J1330 - J1331   J1341

111111   J1115 - J1116   J1119   J1122 - J1123   J1127   J1130   J1137   J1140
        J1202   J1207 - J1208   J1210   J1214   J1220 - J1221   J1224   J1226
        J1243   J1301 - J1302   J1307 - J1307   J1309   J1313   J1316   J1317
        J1322 - J1323 - J1324   J1330   J1407 - J1408   J1410   J1413   J1415

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

STOP									
	J1421 -	J1422 -	J1423	J1430	J1528 -	J1529 -	J1530 -	J1531	J1535
	SUBSTITUTE THE FOLLOWING CARD ASSEMBL.IES:								
	J1246	J1325	J1546						
113224	J1211								
147777	J1116								
20008oo	J1124								
220500	J1203	J1212							
480000	J1329								
510000	J1205	J1208 -	J1209	J1215	J1218	J1220	J1223	J1233	J1239
	J1334								
	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:								
	J1201								
510021	J1239								
510550	J1202								
511224	J1213	J1219	J1238	J1382 -	J1303				
511225	J1227								
788000	J1122	J1124	J1202	J1206	J1209	J1213	J1223	J1233	J1381
	J1308	J1327	J1330 -	J1331	J1341	J1416			
700002	J1284 -	J1205	J1343						

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

005203   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1548

777003   J1323   J1417

777201   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1548

Change 4   2-142.40

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP		CONNECTORS
000000	J1409	
001062	J1409	
001666	J1489	

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

777777   J1409

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

777007   J1122 - J1123 - J1124   J1126 - J1127   J1129   J1221   J1313   J1320
          J1327   J1334   J1406   J1413   J1420   J1427 - J1428   J1435   J1441
          J1444 - J1445 - J1446   J1511
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1128   J1431   J1446

777017   J1112   J1115   J1119   J1122   J1126   J1129   J1131   J1137   J1140
          J1316   J1408   J1429 - J1430   J1434

777037   J1429   J1431   J1434   J1445
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1431

777177   J1316   J1323   J1330   J1409   J1416   J1423   J1427 - J1428 - J1429 - J1430
       - J1431   J1434 - J1435   J1441 - J1442   J1511   J1530
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1431   J1511

777777   J1112 - J1113 J1115   - J1116 - J1117 - J1118 - J1119 - J1120   J1122
       - J1123 - J1124 - J1125 - J1126 - J1127   J1129 - J1130 - J1131 - J1132
          J1134 - J1135 - J1136 - J1137 - J1138 - J1139 - J1140   J1313 - J1314
       - J1315 - J1316 - J1317 - J1318   J1320 - J1321 - J1322 - J1323 - J1324
          J1327 - J1328 - J1329 - J1330 - J1331 - J1332   J1334   J1336 - J1337
       - J1338   J1406 - J1407 - J1408 - J1409 - J1410 - J1411   J1413 - J1414
       - J1415 - J1416 - J1417 - J1418   J1420 - 31421 - J1422 - J1423 - J1424
       - J1425   J1427 - J1428 - J1429 - J1430 - J1331 - J1432   J1434 - J1435
       - J1436 - J!437 - J1438 - J1439 - J1440 - J1441 - J1442 - J1443 - J1444
       - J1445 - J1446   J1511   J1525   J1527 - J1528 - J1529 - J1530 - J1531
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1128   J1318   J1325   J1332   J1335   J1411   J1417 - J1418   J1425
          J1431 - J1432   J1435   J1511   J1532   J1548

TABLE 2-4. BUFFER UNIT FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

777777   J1308

TABLE 2-5.   MEMORY 0 FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

* CAUTION *

CMOS MEMORIES CONTAIN ELECTROSTATIC SENSITIVE DEVICES

REQUIRING SPECIAL HANDLING TO AVOID ELECTROSTATIC

DISCHAGE DAMAGE. WHEN REMOVING AND REPLACING MEMORY

CARDS J1229 THROUGH J1239 OBSERVE THE FOLLOWING

PRECAUTIONS:

A. IMMEDIATELY PRIOR TO HANDLING WITHIN THE SHELTER,

     MAKE PHYSICAL CONTACT WITH A GROUNDED SURFACE TO

     DISCHARGE ANY POSSIBLE BUILD-UP OF STATIC ELECTRICITY.

B. PACKAGE THE MEMORY STORAGE CARDS TN ELECTROSTATIC

     BAGS PRIOR TO REMOVING FROM THE SHELTER.

NOTE:

PRIOR TO IN-SYSTEM MTS CARD TESTING, SET ADP PANEL

SWITCHES AS FOLLOWS:

UPPER CPU POWER .... OFF

LOWER CPU POWER .... OFF

IOU POWER   .... OFF

ADP POWER   .... OFF

SUSPECT MEMORY SELECT .... OFF LINE

TABLE 2-5. MEMORY 0 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

CAUTION:

A LIST OF NON-TESTABLE CARDS WITH CONNECTOR NUMBER, CARD
TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS
LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE
CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE
THE FOLLOWING CARD ASSEMBLIES".

CONNECTOR	TYPE	PART NUMBER
J1103	AC INTERFACE	149503
J1104	AC INTERFACE	149503
J1185	DC INTERFACE	149504
J118G	DC INTERFACE	149504
J1187	DC INTERFACE	149504
J1108	DC INTERFACE	149504
J1109	DC INTERFACE	149504
J1126	1 K OHM RESISTOR	587118
J1127	BACKUP CONTROL	13143913
J1204	DC INTERFACE	149504
J1205	DC INTERFACE	149504
J1206	DC INTERFACE	149584
J1207	DC INTERFACE	149504
J1208	DC INTERFACE	149504
J1212	240 OHM RESISTOR	587119
J1228	TIMING AND CONTROL	13143778
J1229	CMOS STORAGE	13143777
J1230	CMOS STORAGE	13143777
J1231	CMOS STORAGE	13143777
J1232	CMOS STORAGE	13143777
J1233	CMOS STORAGE	13143777
J1234	CMOS STORAGE	13143777
J1235	CMOS STORAGE	13143777
J1236	CMOS STORAGE	13143777
J1237	CMOS STORAGE	13143777
J1238	CMOS STORAGE	13143777
J1239	CMOS STORAGE	13143777

NOTE:

IF THE UPPER CPU IS PRIME AND THE FAULT IS NOT
ISOLATED BY TESTING OR SUBSTITUTING THE CARD ASSEMBLIES
ASSOCIATED WITH THE ERROR CODES LISTED BELOW, THEN:

A. TEST   J1112

B. SUBSTITUTE   J1107   -   J11BE   - J1109

TABLE 2-5.   MEMORY 0 FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

000000   A, TEST THE DIGITAL CARDS LISTED BELOW
           J1121   J1217 - J1218 - J1219 - J1220 - J1221 - J1222

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1232

           C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1107   J1206   J1212

000001   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1210

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1229 - J1230   J1233   J1238

           C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1205

000002   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1210   J1216

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1233

           C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1205

000003   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110   J1112   J1209   J1211   J1215

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1229 - J1230   J1233 - J1234 - J1235 - J1236 - J1237 - J1238

           C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105 - J1106   J1109   J1204 - J1205   J1208   J1212

000004   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110   J1209

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1233   J1235

           C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105 - J1106   J1108 - J1109   J1204 - J1205   J1207 - J1208

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

000005   A. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1230   -   J1231

    B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
41106

000006   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1238

000010   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1205

000015   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1239

000016   A. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1236

    B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1106   J1109   J1205   J1208

000017   A, SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1236
    B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1106   J1109   J1205   J1208

000023   A. TEST THE DIGITAL CARDS LISTED BELOW
    J1110
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1234
    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1106   J1205

000024   J1110
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1205

Change 3   2-147

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

000025   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1110   J1114

         B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1234

         C. SUBSTITUTE THE CARD ASSEMBLIES-LISTED BELOW
          J1105   J1108   J1204   J1207

000027   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1110   J1114

         B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1233

         C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1105   J1108   J1204   J1207

000031   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1204

000032   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1110   J1113   J1210

         B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1232
         C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1105   J1108   J1204   -   J1205   J1207

000035   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1110   J1113

         B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J31231
         C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1105   J1108   J1204   J1207

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

000040   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1110

            B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1230

            C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1105   J1108   J1204   J1207

000044   A. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1229

            B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1204

000045   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1210

            B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1230   -   J1231   J1236   -   J1237   -   J1238

            C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1106   J1109   J1204   -   J1205   J1208

000051   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1121

            B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1234

000053   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1204

000055   J1222
            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1232

000061   J1222

000100   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1205

000105   J1115

Change 3   2-149

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
000106    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1236
000113    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1228

000132    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1228      J1230   -  J1231   -  J1232

000133    J1117      J1119      J1121      J1209   -  J1210    J1214  -  J1215  -  31216     J1218

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1204   -  J1205   -  J1206
000134    J1114      J1209   -  J1210      J1214      J1216
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1204   -  J1205
000135    J1218
000143    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1238
000176    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1236
000325    J1120
000367    J1210
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1206

000407    J1209
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1205
000565    J1219
000665    J1311
000772    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1229
001003    J1117      J1119   -  J1120   -  J1121      J1214      J1218  -  J1219  -  J1220  -  J1221
          -  J1222
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
              J1107      J1206
```

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS IOU OFF CPU OFF
DIAGNOSE STATUS   IOU OFF CPU OFF

STOP   CONNECTORS

001006 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1206

001040 A. TEST THE DIGITAL CARDS LISTED BELOW
       J1111 - J1112   J1210 - J1211
     B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1239
     C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
       J1206   J1212

001050   J1111
     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1107
001051 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1237
001054   J1222
001111   J1120
001113   J1117
001164   J1115
001200   J1117
001205   J1116   J1216 - J1217
     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1104
001206   J1214
001207   J1110   J1216
     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1126
001210   J1113 - J1114   J1119   J1210
     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1105

Change 3 2-151

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

001212   A. TEST THE DIGITAL CARDS-LISTED BELOW
               J1118   -   J1119   J1210

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1228
001214   J1121   J1217
001215   J1117   J1119
001256   J1118   -   J1119   J1209   J1217   J1219
           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1104   -   J1105   J1126
001257   J1111   J1116   J1119   J1209   -   J1210   J1216
           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1106
001262   J1221

001272   J1111
001666   J1110   -   J1111   J1113   J1119   J1221

001667   A. TEST THE DIGITAL CARDS LISTED BELOW
               J1111   J1116
           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1236

           C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
               J1106

001670   A. TEST THE DIGITAL CARDS LISTED BELOW
               J1110   -   J1111   J1114   J1117   J1209   J1215   J1218

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1229   -   J1230   J1234   J1237   -   J1238   -   J1239

001707   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
               J1229

003000   A. TEST THE DIGITAL CARDS LISTED BELOW
               J1117   -   J1119   J1120   -   J1121   J1214   J1218   J1220   -   J1221

           B. SUBSTITUTE THE FOLLOWING ASSEMBLIES:
               J1127
               BACKUP CONTROL BT1

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS IOU OFF CPU OFF
DIAGNOSE STATUS   IOU OFF CPU OFF

STOP   CONNECTORS

003010 A. TEST THE DIGITAL CARDS LISTED BELOW
     J1111 - J1112 - J1113 J1120 - J1121 J1210 J1222

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1127
    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
     J1103 - J1104 J1107 J1126

003020 J1117   J1120

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1126

003046 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1230

011146 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1205
012030 J1114   J1215

041500 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1206

041554 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1230

046171 J1110

046362 J1112   J1209

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1212

061542 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1204

061664 J1211

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1105

074763 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1105
076750 J1110

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

100000   J1222

100010   A. TEST THE DIGITAL CARDS LISTED BELOW
        J1222

        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236 - J1237 - J1238 - J1239

100020   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1228   J1238

100030   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1237

100040   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1236

100050   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1228   J1234 - J1235 - J1236 - J1237 - J1238 - J1239

100060   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1234

100070   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1228   J1233

10000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1232

100110   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1231

100120   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1230

100130   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1229 - J1230 - J1231 - J1232 - J1233

100150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1239

110000   J1110   J1115 - J1116   J1118   J1216   J1219

111111   J1114   J1117   J1120 - J1121   J1210   J1217   J1219 - J1220 - J1221
        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1103   J1107   J1126

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
120000     J1116      J1118      J1211      J1215    -  J1216
220500     J1121
400150     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1239
600100     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1235

601554     J1214
603020     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228

641554     J1214
660025     J1112      J1217
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1108
700000     J1110   -  J1111   -  J1112   -  J1113   -  J1114  -  J1115  -  J1116  -  J1117  -  J1118
           -  J1119  -  J1120  -  J1121      J1210   -  J1211     J1214    J1217   -  J1218  -  J1219
           -  J1220  -  J1221  -  J1222
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESS
           J1103   -  J1104      J1107   -  J1108   -  J1109     J1126     J1206   -  J1207  -  J1208
           J1212

700001     A.  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1231      J1239
           B.  SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
               J1204

700002     A.  TEST THE DIGITAL CARDS LISTED BELOW
               J1112   -  J1113      J1115   -  J1116   -  J1117  -  J1118     J1121     J1210     J1214
               J1216      J1218   -  J1219   -  J1220   -  J1221  -  J1222
           B.  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1229

           C.  SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
               J1103      J1108      J1126      J1208
```

Change 3   2-155

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

700003   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110 - J1111 - J1112 - J1113 - J1114 - J1115   J1116 - J1119
       - J1120   J1209 - J1210 - J1211   J1214 - J1215 - J1216 - J1217 - J1218
       - J1219 - J1220 - J1221 - J1222
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236
       - J1237 - J1238 - J1239
    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1104 - J1105 - J1106 - J1107 - J1108 - J1109   J1126   J1206   J1208

700004   J1113   J1119
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1126

700021   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1234 - J1235
700040   J1209
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1205
700046   J1222
700060   J1209
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1205

700070   J1209
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1205
700074   J1209

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1205

700076   J1210
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1205

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

700100   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1210   J1218
         B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1233   J1238
         C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1106   J1205
700110   J1111
        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1106
774502   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1232
777007   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1236

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU ON

STOP   **CONNECTORS**

000775   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1109

001003   J1217
003046   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1230
125500   J1119
165500   J1112   J1121   J1211   J1217   J1222
        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1108
220500   J1119   J1216

241700   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1206

400000   J1111   J1113   J1115   J1220
510000   J1110   J1117   J1211   J1215   J1221
        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208

510004   J1220
510010   J1111

510020   J1219

510021   J1110   J1114   J1116 - J1117   - J1118   J1210 - J1211   J1214 - J1215
     - J1216 - J1217 - J1218   J1221
        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1103 - J1104   J1206 - J1207 - J1208
640000   J1114
641554   J1118
        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1108
666230   J1216

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU ON**

STOP   **CONNECTORS**

675000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1107   J1208
700000   J1111 - J1112   J1114 - J1115 - J1116 - J1117   J1119 - J1120 - J1121
                J1209 - J1210 - J1211   J1214 - J1215 - J1216 - J1217 - J1218 - J1219
                - J1220 - J1221 - J1222
                SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1103 - J1104   JI109   J1207   - J1208

700002   J1111 - J1112 - J1113 - J1114 - J1115 - J1116   J1119 - J1120 - J1121
                J1210 - J1211   J1214 - J1215 - J1216 - J1217 - J1218   J1220
                SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1103 - J1104   J1107 - J1108 - J1109   J1126   J1206 - J1207
700003   J1112   J1119   J1121   J1210   J1214   J1216 - J1217   J1221
                SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1107 - J1108 - J109   J1206 - J1207
774500   J1119   J1121
774573   J1211

Change 3   2-159

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU ON**   **CPU OFF**

STOP   **CONNECTORS**

003046   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1230

700000   J1114   -   J1115

700002   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1104

Change 3   2-160

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

111111   J1112   J1210   J1215   J1216   J1220
       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1108   J1126   J1206   J1208
220500   J1116

510000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1207

511224   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1104
700000   J1218
       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1208

700003   J1113

Change 3   2-161

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU ON**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

000001   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1110   J1113   J1121   J1210   J1222

          B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1229   -   J1230   J1233   -   J1234   -   J1235   -   J1236   -   J1237   -   J1238

          C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1105   -   J1106   J1108   -   JI109   J1204   -   J1205   J1207   -   J1208

000003   A. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1239

          B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1204

000005   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1205

000011   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1239

000103   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1238

000105   J1209
        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1205

000603   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1204   -   J1205

000765   J1209
        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1205

000775   A. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1237

          B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1205

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

002051   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1236

100771   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1205

175203   J1116   J1118   J1215   -   J1216
600041   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1235

700001   A. TEST THE DIGITAL CARDS LISTED BELOW
    J1110   -   J1111   -   J1112   J1209   -   J1210 - J1211   J1216   J1220
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1231   J1234   J1239

    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1106   J1109   J1204   -   J1205   J1208   J1212
700002   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1234

700021   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1234   J1235
700077   J1210
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1205
701100   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1237

740001   A. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1235

    B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1205
774501   A. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1229   J1232   -   J1233   J1236
    B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1204

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

774502   SUBSTITUTE THE'FOLLOWING CARD ASSEMBLIES:'
         J1232

774513   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1232
777003   J1111
     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES$
         J1109

777201   A. TEST THE DIGITAL CARDS LISTED BELOW
         J1110 - J1111 - J1112 - J1113 - J1114 - J1115 - J1116 - J1117 - J1118
        - J1119 - J1120 - J1121   J1209 - J1210 - J1211   J1214 - J1215 - J1216
        - J1217 - J1218 - J1219 - J1220 - J1221 - J1222

      B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1229 - J1230 - J1231   J1233   J1235 - J1236   J1238 - J1239
      C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
         J1103 - J1104 - J1105 - J1106 - J1107 - J1108   J1126   J1204 - J1205
        - J1206 - J1207   J1212

Change 3   2-164

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU ON**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**

STOP   **CONNECTORS**

000044   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1229
000055   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1232
000132   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1228

777007   A. TEST THE DIGITAL CARDS LISTED BELOW
     J1110 - J1111 - J1112 - J1113   J1115 - J1116   J1117 - J1118 - J1119
     - J1120 - J1121   J1209 - J1210 - J1211   J1214   J1216 - J1217 - J1218
     - J1219 - J1220 - J1221 - J1222
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236
     - J1237 - J1238 - J1239
    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
     J1103 - d1104 - J1105 - J1106 - J1107 - J1108 - J1109   J1126   J1204
     - J1205 - J1206 - J1207 - J1208   J1212
777017   A. TEST THE DIGITAL CARDS LISTED BELOW
     J1110   J1113 - J1114 - J1115 - J1116 - J1117 - J B111 - J1119 - J1120
     - J1121   J1210 - J1211   J1214 - J1215 - J1216 - J1217 - J1218 - J1219
     - J1220 - J1221 - J1222

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236
     - J1237 - J1238 - J1239
    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
     J1103 - J1104 - J1105   J1107   J1126   J1206   J1212
777201   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236 - J1237
     - J1238 - J1239

Change 3   2-165

TABLE 2-5. MEMORY 0 FAULT LOCATION -CONTINUED

| PROGRAM LOAD STATUS | IOU ON | CPU ON |
| DIAGNOSE STATUS | IOU ON | CPU ON |

STOP   **CONNECTORS**

777777   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1127   -   J1228

Change 3   2-166

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

CAUTION
CMOS MEMORIES CONTAIN ELECTROSTATIC SENSITIVE DEVICES REQUIRING SPECIAL HANDLING TO AVOID ELECTROSTATIC DISCHAGE DAMAGE. WHEN REMOVING AND REPLACING MEMORY CARRS J1229 THROUGH J1239 OBSERVE THE FOLLOWING PRECAUTIONS:

A. IMMEDIATELY PRIOR TO HANDLING WITHIN THE SHELTER, MAKE PHYSICAL CON4TACT WITH A GROUNDED SURFACE TO DISCHARGE ANY POSSIBLE BUILD-UP OF STATIC ELECTRICITY.

B. PPCKAGE T'HE MEMORY STORAGE CARDS IN ELECTROSTATIC BAGS PRIOR TO REMOVING FROM THIE SHELTER.

NOTE
PRIOR TO IN-SYSTEM MTS CARD TESTING, SET ADP PANEL SWITCHES AS FOLLOWS:

UPPER CPU POWER .... OFF
LOWER CPU POWER .... OFF
IOU POWER .... OFF
ADP POWER .... OFF
SUSPECT MEMORY SELECT .... OFF LINE

Change 4   2-167

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

CAUTION:
A LIST OF NON-TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES".

CONNECTOR	TYPE	PART NUMBER
J1103	AC INTERFACE	149583
J1104	AC INTERFACE	149503
J1105	DC INTERFACE	149584
J1106	DC INTERFACE	149584
J1107	DC INTERFACE	149584
J1108	DC INTERFACE	149504
J1189	DC INTERFACE	149584
J1126	1 K OHM RESISTOR	587118
J1127	BACKUP CONTROL	13143913
J1204	DC INTERFACE	149504
J1205	DC INTERFACE	149584
J1206	DC INTERFACE	14950A
J1207	DC INTERFACE	149534
J1288	DC INTERFACE	149564
J1212	240 OHM RESISTOR	587119
J1228	TIMING AND CONTROL	13143778
J1229	CMOS STORAGE	13143777
J1230	CMOS STORAGE	13143777
J1231	CMOS STORAGE	13143777
J1232	CMOS STORAGE	13143777
J1233	CMOS STORAGE	13143777
J1234	CMOS STORAGE	13143777
J1235	CMOS STORAGE	13143777
J1236	CMOS STORAGE	13143777
J1237	CMOS STORAGE	13143777
J1238	CMOS STORAGE	13143777
J1239	CMOS STORAGE	13143777

NOTE:
IF THE UPPER CPU IS PRIME AND THE FAULT IS NOT ISOLATED BY TESTING OR SUBSTITUTING THE CARD ASSEMBLIES ASSOCIATED WITH THE, ERROR CODES LISTED BELOW, THEN:

   A. TEST J1112
   B. SUBSTITUTE J1107 - JI188 - J1169

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
000000      J1121     J1217  -  J1218  -  J1219  -  J1220  -  J1221  -  J1222
            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1107     J1109     J1206     J1212

000003      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1105
000021         J1214
000044         J1214
000045         J1219

000053      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1204
000100         J1217
000114         J1114
000130         J1219

000132      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1105

000133      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1206
000176         J1215
001006         J1111
            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1205  -  J1206

001040      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1206

001050      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1107
001057         J1216
001235      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1231
```

Change 3   2-169

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

001666   J1115

001667   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                    J1107

001670   A. TEST THE DIGITAL CARDS LISTED BELOW
                    J1116   J1120   J1215   -   J1216   J1221   -   J1222

                    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
                    J1228

                    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
                    J1204   -   J1205

001702   J1114
001756   J1116   J1214   -   J1215
004420   J1113

012000   A. TEST THE DIGITAL CARDS LISTED BELOW
                    J1111   -   J1112   J1114   J1117   J1119   -   J1120   -   J1121   J1209   -   J1210
                    -   J1211   J1214   J1218   -   J1219   -   J1220   -   J1221

                    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                    J1228   -   J1229   -   J1230   -   J1231   -   J1232   -   J1233   -   J1234   -   J1235   -   J1236
                    -   J1237   -   J1238   -   J1239

                    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
                    J1204   -   J1205   J1212

012010   A. TEST THE DIGITAL CARDS LISTED BELOW
                    J 1110   -   J1111   J1114   J1117   J1119   J1121   J1209   -   J1210   J1216
                    -   J1217   J1219   -   J1220   -   J1221   -   J1222

                    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES$
                    J1228   -   J1229   -   J1230   -   J1231   -   J1232   -   J1233   -   J1234   -   J1235   -   J1236
                    -   J1237   -   J1238   -   J1239

                    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
                    J1205   J1212

012020   J1114   J1117   J1119   J1121   J1209   J1214   -   J1215   J1217   J1219
                    -   J1220   J1222

                    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
                    J1205   -   J1206

Change 3   2-170

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

012030   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1110   J1111   J1114   J1209 - J1210   J1219 - J1220 - J1221
        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1229 - 41230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236 - J1237
        - J1238 - J1239
        C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1204 - J1205   41212

012060   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1111   J1116   J1120   J1215
        B. SUBSTITUTE THE FOLLOWING ASSEMBLIES8
            J1127
            BACKUP CONTROL BT1
        C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1103 - J1104   J1126

012070   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1111 - J1112 - J1113   J1121   J1210 - J1211   J1220 - J1221
        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
            J1127   J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236
        - J1237 - J1238 - 41239
        C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1103 - J1104   J1107   J1126   J1204 - J1205   J1212

012100   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1117   J1120
        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
            J1228
        C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1126

012150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1228

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

012160   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
    J1228

012230   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
    J1103

017770   A. TEST THE DIGITAL CARDS LISTED BELOW
    J1112 - J1113 - J1114 - JI115   - J1116 - J1117 - J1118 - JI119 - J1120
    - J1121   J1209 - J1210 - J1211   J1214 - J1215 - J1216 - J1217 - J1218
    - J1219 - J1220 - J1221 - J1222

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
    J1228 - J1229 - J1230 - J1231   - J1232 - J1233 - J1234 - J1235 - J1236
    - J1237 - J1238 - J1239

    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1107   J1126   J1204   J1206   J1212

020020   J1116   J1118 - J1119 - J1120 - J1121   J1210   J1216 - J1217 - J1218
    J1220

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES;
    J1126   J1205

020030   J1116 - J1117 - 31118 - J1119   J1210   J1216 - J1217 - J1218   J1220

020040   J1117   J1120

020050   J1116 - J1117   J1120

020060   J1217

020110   J1217

027770   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1205

030060   J1216

061542   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1204

100010   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1229 - J1230 - J1231 - J1232   - J1233 - J1234 - J1235 - J1236 - J1237
    - J1238 - J1239

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

110000   A. TEST THE DIGITAL CARDS LISTED BELOW
J1110 - J1111 - J1112   J1116 - J1117 - J1119   J1121   J1209 - J1210 - J1211   J1214 - J1215 - J1216 - J1217 - J1218 - J1219 - J1220 - J1221 - J1222

B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1228 - J1229

C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1105 - 41106   J1126   J1212

110010   A. TEST THE DIGITAL CARDS LISTED BELOW
J1111 - J1112   J1116 - J1117   J1209 - J1210 - J1211   J1216   J1218 - J1219 - J1220 - J1221 - J1222

B. SUBSTITUTE J1239

C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236 - 41237 - J1239

D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1106   J1109   J1204 - J1205   J1209   J1212

110020   A. TEST THE DIGITAL CARDS LISTED BELOW
J1121   J1210

B. SUBSTITUTE   J1238

C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1106   J1109   J1205   J1208

110030   A. TEST THE DIGITAL CARDS LISTED BELOW
J1210

B. SUBSTITUTE   J1237

C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1106   J1109   J1205   J1208

110040   A. TEST THE DIGITAL CARDS LISTED BELOW
J1219

B. SUBSTITUTE   J1236

C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1106   J1109   J1205   J1208

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

110050   A. TEST THE DIGITAL CARDS LISTED BELOW
             - J1209   J1220   J1222

             B. SUBSTITUTE 01235

             C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1229 - J1230 - J1231 - J1232 - J1233 - J1234   J1236 - J1237 - J1238
             - J1239

             D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
             J1106   J1109   J1205   J1208

110060   A. TEST THE DIGITAL CARDS LISTED BELOW
             J1110 - J1111   J1117   J1209 - J1210   J1220 - J1221 - J1222

             B. SUBSTITUTE   J1234

             C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1228 - J1229 - J1230 - J1231 - J1232 - J1233   J1235 - J1236 - J1237
             - J1238 - J1239

             D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
             J1105 - J1106   J1108 - J1109   J1204 - J1205   J1207 - J1208   J1212

110070   A. TEST THE DIGITAL CARDS LISTED BELOW
             J1110 - J1111 - J1112   J1209 - J1210 - J1211   J1214   J1220

             8. SUBSTITUTE J1233

             C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1228 - J1229 - J1230 - J1231 - J1232   J1234 - J1235 - J1236 - J1237
             - J1238 - J1239

             D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
             J1105   J1108   J1204 - J1205   J1207   J1212

110100   A. TEST THE DIGITAL CARDS LISTED BELOW
             J 1110 - J1111   - J1112   J1209 - J1210 - J1211   J1214   J1222

             B. SUBSTITUTE   J1232

             C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1229 - J1230 - J1231   J1233 - J1234 - J1235 - J1236 - J1237 - J1238
             - J1239

             D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
             J1105   J1108   J1204 - J1205   J1207   J1212

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

110110   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110 - J1111 - J1112   J1209 - J1210 - J1211   J1214

           B. SUBSTITUTE   J1231

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
           J1229 - J1230   J1232 - J1233 - J1234 - J1235 - J1236 - J1237 - J1238
           - J1239

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW

41105   J1108   J1204   J1207   J1212

110120   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110 - J1111 - J1112   J1209 - J1210 - J1211

           B. SUBSTITUTE   J1230

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1229   J1231 - J1232 - J1233 - J1234 - J1235 - J1236 - J1237 - J1238
           - J1239

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105   J1108   J1204 - J1205   J1207   J1212

110130   A. TEST THE DIGITAL CARDS LISTED BELOW
           J110 - J1111 - J1112   J1209 - J1210 - J1211   J1220   J1222

           B. SUBSTITUTE   J1229

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228   J1230 - J1231 - J1232 - J1233 - J1234 - J1235

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105   J1108   J1204 - J1205   J1207   J1212

110150   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1210

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
           J1239

           C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1107   J1206

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

111111   J1112   J1114 - J1115   J1117 - J1118 - J1119   J1215 - J1216 - J1217
            J1220

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1103   J1107 - J1108   J1207

210000   J1114   J1117

220500   J1211

400000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1109

410150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1239
430000   J1221

510000   J1214

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1103

660025   J1116   J1216 - J1217   J1221

700000   J1110 - J1111 - J1112 - J1113 - J1114 - J1115 - J1116 - J1117 - J1118
     - J1119 - J1120 - J1121   J1210 - J1211   J1214 - J1215 - J1216 - J1217
     - J1218 - J1219 - J1220 - J1221 - J1222

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1103 - J1104 - Jl105 - J1106 - JO1107 - J110 - J1109   J1206 - J1207
     - J1208

700002   J1110 - J1111   J1113 - J1114 - J1115 - J1116 - J1117   J1119 - J1120
     - J1121   J1211   J1214 - J1215 - J31216 - J1217 - J1218   J1220 - J1221
     - J1222

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1104 - J1105 - J1106 - J1107 - J1108 - J1109   J1126   J1206 - J1207
     - J1206

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

700003   J1110 - J1111   J1113 - J1114 - J111S - J1116 - J1117 J1119 - J1120
     - J1119 - J1120 - J1121   J1209 - J1210 - J1211   J1214 - J1215   J1217
     J1219 - J1220 - J1221

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1103 - J1104 - J1105 - J1106 - J1107 - J1108 - Jl109   J1126   J1204
     - J1205 - J1206 - J1207   J1212

Change 3   2-177

TABLE 2-6. MEMORY 1 FAULT LOCATION

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU ON |

STOP   **CONNECTORS**

000000   J1120   J1215 - J1216

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                 J1109
000003   J111   J1114 - J1115

000010   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                 J1108

000132   J1111

000775   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                 J1109

000777   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                 J1104

001702   J1113 - J1114   J1117   J1119   J1218

002420   J1113   J1115   J1220

003000   J1215

012000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                 J1205

110000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                 J1212

165500   J1121

220500   J1114 - 41115 - J1116   J1121   J1214   J1218

220501   J1115

220710   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                 J1108

221000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                 J1109

400000   J1114

TABLE 2-6. MEMORY 1 FAULT LOCATION

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU ON |

STOP   **CONNECTORS**

410000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1107   -   J1108

510000   J1110   J1120   J1211
     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1106   J1126   J1208

510002   J1114

510017   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1106

510021   J1111   J1113   -   J1114   -   J1115   -   J1116 - J1117   - J1118   - J1119   J1209
     - J1210   -   J1211   J1214   -   J1215   - J1216   - J1217   - J1218   - J1219   J1221

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1103   -   J1104   J1206   -   J1207   -   J1208

640000   J1110   J1114

641554   J1110   J1116

660025   J1217

675000   J1210

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1208

700000   J 1110   -   J1111   J1113   -   J1114   -   J1115   - J1116   - J1117   - J1118   - JI119
     - J1120   -   J1121   J1209   -   J1210   -   J1211   J1214   - J1215   - J1216   - J1217
     - J1218   -   J1219   -   J1220   -   J1221   -   J1222

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1103   -   J1104   -   J105   -   J1106   -   J1107   - JI108   - J4109   J1206   J1208

700002   J1110   -   J1111   -   J1112   -   J1113   -   J1114   J1116 - J1117   - J1118   J1120
     - J1121   J1210   J1215   -   J1216   -   J1217   - J1218   J1220   - J1221   - J1222

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
     J1105   -   J1106   -   J1107   -   J1108   -   J1109   J1206   - J1207   - J1208

700003   J1110   J1113   J S1115 - J1116   -   J1117   J1215   - J1216   - J1217   J1219
     - J1220

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1103   J1105   -   J1106   J1108   -   J1109   J1206

Change 3   2-179

TABLE 2-6. MEMORY 1 FAULT LOCATION

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU ON |

STOP   **CONNECTORS**

700000   J1110   J1113   J1119   J1209   -   J1210   J1218

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1105   -   J1106

700003   J1114

Change 3   2-180

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU ON	CPU ON

STOP   **CONNECTORS**

111111   J 1110 - J1111 - J1112   J1115 - J1116 - J1117 - J1118 - J1119 - J1120

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1103 - J1104   J1109

220500   J1121

510000   J1210

640000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
           J1108

700000   J1217

700003   J1116

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU ON
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

000001   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1204

000603   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1204   -   J1205

175203   J1116   J1118   J1215   -   J1216

774501   J1114

777201   J1116

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1106   -   J1107   J1204   J1206

Change 3   2-182

TABLE 2-6. MEMORY 1 FAULT LOCATION

| **PROGRAM LOAD STATUS** | **IOU OFF** | **CPU OFF** |
| **DIAGNOSE STATUS** | **IOU OFF** | **CPU ON** |

STOP   **CONNECTORS**

777007   J1115   -   J1116   J1118   J1216

     SUBSTITUTE THE FOLLOWING CARD ASSENBLIES:
      J1105   -   J1106   -   J1107

777017   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1105   J1107   J1206

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU ON**   **CPU ON**
DIAGNOSE STATUS   **IOU OFF**   **CPU ON**

STOP   **CONNECTORS**

777777   J1121

Change 3 2-184

TABLE 2-6. MEMORY 1 FAULT LOCATION

PROGRAM LOAD STATUS   **IOU ON**   **CPU ON**
DIAGNOSE STATUS   **IOU ON**   **CPU ON**

 STOP   **CONNECTORS**

777777   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228

Change 3   2-185

TABLE 2-7. MEMORY 2 FAULT LOCATION

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**

STOP   **CONNECTORS**

CAUTION
CMOS MEMORIES CONTAIN ELECTROSTATIC SENSITIVE DEVICES REQUIRING SPECIAL HANDLING TO AVOID ELECTROSTATIC DISCHARGE DAMAGE.   WHEN REMOVING AND REPLACING MEMORY CARDS   J1229   THROUGH   J1239   OBSERVE   THE   FOLLOWING PRECAUTIONS:

A. IMMEDIATELY PRIOR TO HANDLING WITHIN THE SHELTER, MAKE PHYSICAL CONTACT WITH A GROUNDED SURFACE TO DISCHARGE ANY POSSIBLE BUILD-UP OF STATIC ELECTRICITY.

B. PACKAGE THE MEMORY STORAGE CARDS IN ELECTROSTATIC BAGS PRIOR TO REMOVING FROM THE SHELTER.

NOTE:

PRIOR TO IN-SYSTEM MTS CARD TESTING. SET ADP PANEL SWITCHES AS FOLLOWS:

UPPER CPU POWER .... OFF

LOWER CPU POWER .... OFF

IOU POWER... OFF

ADP POWER.. OFF

SUSPECT MEMORY SELECT...OFF LINE

Change 4 2-186

TABLE 2-7. MEMORY 2 FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

CAUTION:

A LIST OF NON-TESTABLE CARDS WITH CONNECTOR NUMBER. CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES".

CONNECTOR	TYPE	PART NUMBER
J1103	AC INTERFACE	149503
J1104	AC INTERFACE	149503
J1105	DC INTERFACE	149504
J1106	DC INTERFACE	149504
J1107	DC INTERFACE	149504
J1108	DC INTERFACE	149504
J1109	DC INTERFACE	149504
J1126	I K OHM RESISTOR	587118
J1127	BACKUP CONTROL	13143913
J1204	DC INTERFACE	149504
J1265	DC INTERFACE	149584
J1206	DC INTERFACE	149504
J1207	DC INTERFACE	149584
J1208	DC INTERFACE	149504
J1212	240 OHM RESISTOR	587119
J1228	TIMING AND CONTROL	13143778
J1229	CMOS STORAGE	13143777
J1230	CMOS STORAGE	13143777
J1231	CMOS STORAGE	13143777
J1232	CMOS STORAGE	13143777
J1233	CIMOS STORAGE	13143777
J1234	CMOS STORAGE	13143777
J1235	CMOS STORAGE	13143777
J1236	CMOS STORAGE	13143777
J1237	CMOS STORAGE	13143777
J1238	CMOS STORAGE	13143777
J1239	CMOS STORAGE	13143777

NOTE:

IF THE UPPER CPU IS PRIME AND THE FAULT IS NOT ISCLATED BY TESTING OR SUBSTITUTING THE CARD ASSEMBLIES ASSOCIATED WITH THE ERROR CODES LISTED BELOW, THEN:

A. TEST J1112

B. SUBSTITUTE J116w - JI10S - J1169

TABLE 2-7, MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

000000   J1121   -   J1217   -   J1218   -   J1219   -   J1220   -   J1221   -   J122

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1107   J1206   J1212

000003   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1105

000023   J1114

000025   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1207

000036   J1219

000051   J1114

000053   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1204

000102   J1219

000133   J1214

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206

000137   J1214

001003   J1219

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
    J1109

001006   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1205   -   J1206

001007   1118t

001013   J1209

001026   J1112

001040   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

001050   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1107

001667   J1115

001670   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1114   J1116   J1120 - J1121   J1209   J1215 - J1216   J1222

       B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1228

       C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1204 - J1205

001707   J1112

001711   J1210

006000   J1120

012000   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1211

       B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1228

       C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1205

012010   J1116 - J1117 - J1I18 - J1119 - J1120 - J1121   J1209 - J1210   J1216
         - J1217 - J1218 - J1220 - J1221 - J1222

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1126

012020   J111   J1116 - J1117 - J1118 - J1119 - J1120 - J1121

012030   J1116 - J1117 - J1118 - J1119 - J1120   J1210   J1217

012040   J1116   J1118   J1120

012050   J1116   J1220

012060   J1210

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1205

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

012070   J1119   -   J1120

012110   J1117   J1217

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1126

012150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
     J1228

012210   J1217

017770   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1228

020000   A. TEST THE DIGITAL CARDS LISTED BELOW
     J1111   -   J1112   J1116   -   J1117   -   J1118 - J1119 - J1120 - J1121   J1210
     J1214   -   J1215   -   J1216   -   J1217   J1220   -   J1221

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1228 - J1229   - J1230   -   J1231   - J1232 - J1233 - J1234 - J1235 - J1236
   - J1237 - J1238   - J1239

    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
     J1103   -   J1104   J1126   J1205 -   J1206   J1212

020010   A. TEST THE DIGITAL CARDS LISTED BELOW
     J111O   -   J111   J1114   J1117   J1121   J1209   -   J1210   J1218   -   J1219
   - J1220   -   J1221   -   J1222

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
     J1229   -   J1230   -   J1231   -   J1232   -   J1233 - J1234 - J1235 - J1236 - J1237
   - J1238   -   J1239

    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
     J1205   J1212

020020   A. TEST THE DIGITAL CARDS LISTED BELOW
     J111O   -   J1111   J1114   J1119   J1121   J1209   -   J1210   J1217   J1219
   - J1220   -   J1221   -   J3122

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1228   -   J1229   -   41230   -   J1231   -   J1232 - J1233 - J1234 - J1235 - J1236
   - J1237   -   J1238   -   J1239

    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
     J1204   -   J1205   J1212

020040   J1217   J1220

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1205

Change 3 2-190

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS		**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS		**IOU OFF**	**CPU OFF**

STOP   **CONNECTORS**

020050   J1114   J1209

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1204

020100   A. TEST THE DIGITAL CARDS LISTED BELOW
J1120

B. SUBSTITUTE THE FOLLOWING ASSEMBLIES:
J1127
BACKUP CONTROL BTI

020110   A. TEST THE DIGITAL CARDS LISTED BELOW
J111   - J1112   - J1113   J1121   J1210 - J1211   J1218   J1220

B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
J1127   J1229 - J1230   - J1231   - J1232 - J1233 - 41234 - J1235 - J1236
- J1237   - J1239   - J1239

C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1103   - J1104   J1107   J1126   J1212

020120   A. TEST THE DIGITAL CARDS LISTED BELOW
J1117   J1120

B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1228

C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1126   J1204

020130   J1220

020150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1103

027770   A, TEST THE DIGITAL CARDS LISTED BELOW
J1110   J1112   - J1113   - J1114   - J1115 - J1116 - J1117   - J1118   - J1119
- J1120   - J1121   J1209   - J1210   - J1211   J1214 - J1215 - J1216   - J1217
- J1218   - J1219   - J1220   - J1221   - J1222

B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1228   - J1229   - J1230   - J1231   - J1232 - J1233 - J1234 - J1235 - J1236
- J1237   - J1238   - J1239

C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1103   - J1104   J1107   J1126   J1204   J1206   J1212

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

041554   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1207

046171   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES$
            J1105

061542   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESS
            J1204

101770   J1219

110060   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1209

111111   J1114   - J1115   J1117   J1119   J1121   J1210   J1214   J1217

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1107   J1109

120000   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1110   J1116   - J1117   J1121   J1209 - J1210 - J1211   J1214 - J1215
            J1217   - J1219   - J1219   J1221

            B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1228   - J1229

            C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1105   - J1106   J1205   J1207   J1212

120010   A. TEST THE DIGITAL CARDS LISTED BELOW
            J1111   - J1112   J1116   - J1117   J1121   J1209 - J1210 - J1211   J1216
            J1218   - J1219   - J1220   - J1221   - J1222

            B SUBSTITUTE J1239

            C SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESS
            J1228   - J1229   - J1230   - J1231   - J1232 - J1233 - J1234 - J1235 - J1236
            - J1237   - J1238

            D SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
            J1106   J1109   J1204   - J1205   J1208   J1212

Change 3 2-192

TABLE 2-7, MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF CPU OFF
DIAGNOSE STATUS   IOU OFF CPU OFF

STOP   **CONNECTORS**

120020 A. TEST THE DIGITAL CARDS LISTED BELOW
      J1210

     B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
      J1238

     C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
      J1106 J1109 J1205 J1208

120030 A. TEST THE DIGITAL CARDS LISTED BELOW
      J1210

     B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
      J1237

     C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
      J1106 J11109 J1205 J1208

120040 A. TEST THE DIGITAL CARDS LISTED BELOW
      J1219

     B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1236

     C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
      J1106 J1109 J1205 J1208

120050 A. TEST THE DIGITAL CARDS LISTED BELOW
      J1209 J1220 J1222

     B. SUBSTITUTE J1235

     C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
      J1229 - J1230 - J1231 - J1232 - J1233 - J1234 J1236 - J1237 - J1238
     - J1239
     D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
      J1106 J1109 J1205 J1208

Change 3 2-193

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

120060 A. TEST THE DIGITAL CARDS LISTED BELOW
       J1110 - J1111   J1209 - J1210   J1220   J1222

      B. SUBSTITUTE J1234

      C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
       J1228 - J1229 - J1230 - J1231 - J1232 - J1233 J1235 J1236 - J1237
       - J1238 - J1239

      D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
       J1105 - J1106 J1108 - J1109 J1204 - J1205 J1208 J1212

120070 A. TEST THE DIGITAL CARDS LISTED BELOW
       J1110 - J1111 - J1112 J1117 J1209 - J1210 - J1211 J1214 J1220
       - J1221 - 01222

      B. SUBSTITUTE J1233

      C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
       J1228 - J1229 - J1230 - J1231 - J1232 J1234 - J1235 - J1236 - J1237
       - J1238 - J1239

      D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
       J1105 J1108 J1204 - J1205 J1207 J1212

120100 A. TEST THE DIGITAL CARDS LISTED BELOW
       J1110 - J1111 - J1112 J1209 - J1210 - J1211 J1214

      B. SUBSTITUTE J1232

      C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1229 - J1230 - J1231 J1233 - J1234 - J1235 - J1236 - J1237 - J1238
       - J1239

      D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
       J1105 J1108 J1204 - J1205 J1207 J1212

120110 A, TEST THE DIGITAL CARDS LISTED BELOW
       J1110 - J1111 - J1112 J1209 - J1210 - J1211 J1214

      B. SUBSTITUTE J1231

      C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
       J1229 - J1230 J1232 - J1233 - J1234 - J1235 - J1236 J 41237 - J1238
       - J1239

      D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
       J1105 J1108 J1204 - J1205 J1207 J1212

TABLE 2-7, MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

120120   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1110   -   J1111   -   J1112   J1209   -   J1210   -   J1211

          B. SUBSTITUTE J1230

          C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1229   J1231   -   J1232   -   J1233   -   J1234   -   J1235   -   J1236   -   J1237   -   J1238
          - J1239

          D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1105   J1108   J1204   -   J1205   J1207   J1212

120130   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1110   -   J1111   -   J1112   J1209   -   J1210   -   J1211   J1220   J1222

          B. SUBSTITUTE J1229

          C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1228   J1230   -   J1231   -   J1232   -   J1233   -   J1234   -   J1235

          D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1105   J1108   J1204   -   J1205   J1207   J1212

120150   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1210

          B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1239

          C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1107   J1206

200150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1228

220100   J1209

400000   J1220

Change 3 2-195

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

410000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1107

420150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
          J1239

510000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208

660025   J1111 - J1112   J1119

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1108   J1207

666230   J1218

666233   J1114

700000   J1110 - J1111 - J1112 - J1113 - J1114 - J1115 - J1116 - J1117 - J1118
        - J1119 - J1120 - J1121   J1210 - J1211   J1214   J1216 - J1217 - J1219
        - J1219   J1221 - J1222

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1103 - J1104 - J1105 - J1106 - J1107 - J1108 - J1109   J1126   J1206
        - J1207 - J1208

700002   J1110   J1112 - J1113 - J1114 - J1115 - J1116   J1118 - J1119 - J1120
          J1210 - J1211   J1214 - J1215   J1217   J1219   J1221 - J1222

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1103   J1105   J1108 - J1109   J1126   J1206   J1208

700003   J1110 - J1111   J1113 - J1114 - J1115 - J1116 - J1117   J1119 - J1120
        - J1121   J1209   J1211   J1214 - J1215   J1217   J1219 - J1220 - J1221
        - J1222

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
          J1105 - J1106   J1108   J1204 - J1205 - J1206 - J1207 - J1208

700044   J1209

700046   J1219

700100   J1215

774500   J1220

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS		IOU OFF	CPU OFF
DIAGNOSE STATUS		IOU OFF	CPU ON

STOP **CONNECTORS**

000000   J1111

000132   J1120

000775   J1211

001000   J1115

001670   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESS
           J1103

001705   J1118

001711   J1111   -   J1112   J1114   J1210   -   J1211

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1206   J1212

002420   J1111   J1115   J1120

012000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1205

017770   J1115

020000   J1209   J1220

041500   J1110   J113

120000   SUBSTITUTE THE FOLLOWING CARD ASSEMNBLIES:
           J1105

165500   J1110

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208

220500   J1110   J1112   J1120   J1211   J1215   J1218

260500   J1110   J1215

320427   J1115

400000   J1115   J1218

410000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1109

Change 3-197

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU ON

STOP   **CONNECTORS**

501700   J1114

510000   J1110   J1112   J1218

510020   J1115

510021   J1111   J1113 - J1114 - J1115 - J1116 - J1117 - J1118 - J1119   J1209
      - J1210 - J1211   J1214 - J1215 - J1216 - J1217 - J1218 - J1219   J1221

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1103 - J1104   J1206 - J1207 - J1208

511604   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
      J1105

640000   J1112   J1114

641554   J1111   J1119   J1219

666233   J1211   J1220

700000   J1110 - J1111 - J1112 - J1113 - J1114 - J1115 - J1116 - J1117 - J1118
      - J1119 - J1120 - J1121   J1209 - J1210 - J1211   J1214 - J1215 - J1216
      - J1217 - J1218 - J1219 - J1220 - J1221 - J1222

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1103 - J1104 - J1105 - J1106 - J1107 - J1108   J1126   J1206 - J1207

700002   J1110   J1112   J1114 - J1115 - J1116 - J1117 - J1118 - J1119 - J1120
      - J1121   J1211   J1215 - J1216 - J1217 - J1218 - J1219 - J1220

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1104 - J1105 - J1106 - J1107 - J1108 - J1109   J1206 - J1207 - J1208

700003   J1110 - J1111   J1113 - J1114   J1117   J1120   J1210   J1216   J1219
      - J1220

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1103   J1108   J1206 - J1207 - J1208

740220   J1110

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

700000   J1110   -   J1111   J1113   J1119   J1209   -   J1210   J1218

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
             J1105   -   J1106

Change 3 2-199

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU ON | CPU ON |

STOP CONNECTORS

020050　　J1220

111111　　J1110　-　J111I　-　J1112　　J1114　-　J115　-　J1116　　J1120　　J1209　-　J1210
　　　　　J1214　　J1218　-　J1219

　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　J1107　-　J1108

666233　　J1221

700000　　J1114

Change 3 2-200

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU ON**	
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**	

STOP   **CONNECTORS**

000001   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1204

000603   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1204   -   J1205

175203   J1116   J1118   J1215   -   J1216

777003   J1116

777201   J1114   J1217

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1106   -   J1107   J1204   J1206

Change 3 2-201

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU ON CPU ON**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

777007   J1115 - J1116   J1216

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1105 - J1106 - J1107

777017   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1105   J1107   J1206

Change 3 2-202

TABLE 2-7. MEMORY 2 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU ON**   **CPU ON**
DIAGNOSE STATUS   **IOU ON**   **CPU ON**

STOP   **CONNECTORS**

777777   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
                  J1228

TABLE 2-8. MEMORY 3 FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

CAUTION

CMOS MEMORIES CONTAIN ELECTROSTATIC SENSITIVE DEVICES REQUIRING SPECIAL HANDLING TO AVOID ELECTROSTATIC DISCHARGE DAMAGE. WHEN REMOVING AND REPLACING MEMORY CARDS J1229 THROUGH J1239 OBSERVE THE FOLLOWING PRECAUTIONS:

A. IMMEDIATELY PRIOR TO HANDLING WITHIN THE SHELTER, MAKE PHYSICAL CONTACT WITH A GROUNDED SURFACE TO DISCHARGE ANY POSSIBLE BUILD-UP OF STATIC ELECTRICITY.

B. PACKAGE THE MEMORY STORAGE CARDS IN ELECTROSTATIC SAGS PRIOR TO REMOVING FROM THE SHELTER.

NOTE:

PRIOR TO IN-SYSTEM MTS CARD TESTING, SET ADP PANEL SLWITCHES AS FOLLOWS:

UPPER CPU POWER .... OFF

LOWER CPU POWER .... OFF

IOU POWER .... OFF

ADP PO!WER .... OFF

SUSPECT MEMORY SELECT... OFF LINE

Change 4 2-204

TABLE 2-8. MEMORY 3 FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

CAUTION:

A LIST OF NON-TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES".

CONNECTOR	TYPE	PART NUMBER
J1103	AC INTERFACE	1495083
J1104	AC INTERFACE	149503
J1105	DC INTERFACE	149584
J1106	DC INTERFACE	149504
J1107	DC INTERFACE	149504
J1108	DC INTERFACE	149504
J1109	DC INTERFACE	149584
J1126	1 K OHM RESISTOR	557118
J1127	BACKUP CONTROL	13143913
J1204	DC INTERFACE	149504
J1205	DC INTERFACE	149504
J1206	DC INTERFACE	14S504
J1207	DC INTERFACE	149504
J1208	DC INTERFACE	1495.04
J1212	240 OHM RESISTOR	587119
J1228	TIMING AND CONTROL	13143778
J1229	CMOS STORAGE	13143777
J1230	CMOS STORAGE	13143777
J1231	CMOS STORPGE	13147777
J1232	CMOS STORAGE	131437f7
J1233	CMOS STORAGE	13143777
J1234	CMOS STORAGE	13143777
J1235	CMOS STORAGE	13143777
J1236	CMOS STORAGE	13tA3777
J1237	CMOS STORAGE	1314'-777
J1238	CMOS STORAGE	1314.3..777
J1239	CMOS STORAGE	13143777

NOTE:

IF THE UPPER CPU IS PRIME AND THE FAULT IS NOT ISOLATED BY TESTING OR SUBSTITUTING THE CARD HASSEMBLIES ASSOCIATED WITH THE ERROR CODES LISTED BELOW, THEN:

A. TEST J1112

B. SUBSTITUTE J31107 - J1108 - J1109

Change 4 2-205

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

000000   J1121   J1217   -   J1218   -   J1219   -   J1220   -   J1221   -   J1222

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1107   J1206   J1212

000003   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1105

000053   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES$
              J1204

000132   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1107

000133   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1206

000772   J1120

001000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1108

001003   J1113

001005   J1220

001006   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1205   -   J1206   J1208

001012   J1117   J1210

001040   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1206

001050   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1107

001117   J1215

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1206

Change 3 2-206

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**	
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**	

STOP   **CONNECTORS**

001670   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1114   J1116   J1120 - J1121   J1214   J1216   J1219   J1221 - J1222

        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228

        C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1204 - J1205 - J1206

001712   J1222

012000   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1220

        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236
          - J1237 - J1238 - J1239

012010   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1121   J1221

        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIEST
           J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236 - J1237
          - J1238 - J1239

012020   J1116 - J1117 - J1118 - J1119 - J1120   J1217 - J1218   J1220 - J1221
          - J1222

012030   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1112   J1116 - J1117   J1119 - J1120

        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236
          - J1237 - J1238 - J1239

        C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1205

012040   J1116   J1118 - JI19 - J1120   J1217

012050   J1216

012060   SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1238
012100   J1121

Change 3 2-207

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

012110   J1210   J1217

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1205

012150   SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
      J1228

017770   SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
      J1228   -   J1229   -   J1230   -   J1231   -   J1232 - J1233 - J1234 - J1235 - J1236
      - J1237   -   J1238   -   J1239

020000   J1215

020020   J1116   -   J1117   -   J1118   J1121   J1216   J1220

020030   J1116   -   J1117   J1120   J1217

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1126   J1205

020040   J1118   -   J1119   J1209   -   J1210

020050   J1210

020060   A.   TEST THE DIGITAL CARDS LISTED BELOW
      J1117   J1210   -   J1211   J1220

    B.   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1228   -   J1229   -   J1230   -   J1231   -   J1232 - J1233 - J1234 - J1235 - J1236
      - J1237   -   J1238   -   J1239

    C.   SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
      J1212

020070   A.   TEST THE DIGITAL CARDS LISTED BELOW
      J1220

    B.   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1229   -   J1230   -   J1231   -   J1232   -   J1233 - J1234 - J1235 - J1236 - J1237
      - J1238   -   J1239

    C.   SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
      J1205

020100   J1116   J1118   J1217

020120   J1220

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

020130   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1126

030000   A. TEST THE DIGITAL CARDS LISTED BELOW
    J1110 - J111   J1114   J1116 - J1117 - J1118 - JI119 - J1120 - J1121
    J1209 - J1210   J1214   J1216 - J1217 - J1218 - J1219 - J1220 - J1221
    - J1222

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1228 - J1229 - J1230   - J1231   - J1232 - J1233 - J1234 - J1235 - J1236
    - J1237 - J1238 - J1239

    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1126   J1205   J1212

030010   A. TEST THE DIGITAL CARDS LISTED BELOW
    J1110 - J1111   J1114   J1119   J1121   J1209 - J1210   J1215   J1217
    J1219 - J1220 - J1221   - J1222

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1228 - J1229 - J1230   - J1231   - J1232 - J1233 - J1234 - J1235 - J1236
    - J1237 - J1238 - J1239

    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1103 - J1104   J1126   J1204 - J1205   J1212

030020   A. TEST THE DIGITAL CARDS LISTED BELOW
    J1110 - J1111   J1114   J1209 - J1210   J1217   J1219 - J1220

    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1229 - J1230 - J1231   - J1232   - J1233 - J1234 - J1235 - J1236 - J1237
    - J1238 - J1239

    C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
    J1212

030030   J1114   J1120   J1214 - J1215   J1219

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1205

030040   J1114   J1209

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1204   -   J1205

030060   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1204

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

030070   A. TEST THE DIGITAL CARDS LISTED BELOW
J1120

            B. SUBSTITUTE THE ASSEMBLIES LISTED BELOW
J1127 BACKUP CONTROL BT1

030100   A. TEST THE DIGITAL CARDS LISTED BELOW
J1111   - J1112 - J1113   J1121   J1210 - J1211   J1218   J1220

            B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1127 - J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235
- J1236 - J1237 - J1238 - J1239

            C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1103 - J1104   J1107   J1126   J1212

030110   A. TEST THE DIGITAL CARDS LISTED BELOW
J1117   J1120

            B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1228

            C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1126

030150   SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1228

037770   A. TEST THE DIGITAL CARDS LISTED BELOW
J1110   J1112 - J1113 - J1114 - J1115 - J1116 - J1117 - J1118 - J1119
- J1120 - J1121   J1209 - J1210 - J1211   J1214 - J1215 - J1216 - J1217
- J1218 - J1219 - J1220 - J1221 - J1222

            B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236
- J1237 - J1238 - J1239

            C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
J1103 - J1104   J1107   J1126   J1204   J1206   J1212

111111   J1112   - J1113 - J1114   J1117   J1119   J1211   J1217   J1220 - J1221

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1107

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

130000   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110   J1112   J1114   J1116   -   J1117   J1119   J1121   J1209   -   J1210
       -   J1211   J1214   -   J1215   J1217   -   J1219   -   J1219   -   J1220   -   J1221   -   J1222

         B, SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228   -   J1229   J1239

         C, SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105   -   J1106   J1126   J1204   -   J1205   -   J1206   J1208   J1212

130010   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1111   -   J1112   J1116   -   J1117   J1209   -   J1210   -   J1211   J1216   J1219
       -   J1219   -   J1220   -   J1221   -   J1222

         B. SUBSTITUTE J1239

         C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228   -   J1229   -   J1230   -   J1231   -   J1232   -   J1233   -   J1234   -   J1235   -   J1236
       -   J1237   -   J1238

         D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
.   J1106   J1109   J1204   -   J1205   J1208   J1212

130020   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1210

         B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1238

         C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1106   J1109   J1205   J1208

130030   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1210   J1222

         B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1237

         C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1106   J1109   J1205   J1208

130040   A, SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1236

         B. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1106   J1109   J1205   J1208

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

130050   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1209   J1220   J1222

           B. SUBSTITUTE J1235

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES$
           J1229 - J1230 - J1231 - J1232 - J1233 - J1234   J1236 - J1237 - J1239
           - J1239

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1106   J1109   J1205   J1208

130060   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110 - J1111   J1117   J1121   J1209 - J1210   J1220 - J1221 - J1222

           B. SUBSTITUTE J1234

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228 - J1229 - J1230 - J1231 - J1232 - J1233   J1235 - J1236 - J1237
           - J1238 - J1239

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1106   J1108 - J1109   J1204 - J1205   J1207 - J1208   J1212

130070   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110 - J1111 - J1112   J1209 - J1210 - J1211   J1214   J1220

           B. SUBSTITUTE J1233

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228 - J1229 - J1230 - J1231 - J1232   J1234 - J1235 - J1236 - J1237
           - J1238 - J1239

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105   J1108   J1204 - J1205   J1207   J1212

130100   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110 - J1111 - J1112   J1209 - J1210 - J1211   J1214

           B. SUBSTITUTE J1232

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1229 - d1230 - J1231   J1233 - J1234 - J1235 - J1236 - J1237 - J1238
           - J1239

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105   J1108   J1204 - J1205   J1207   J1212

Change 3 2-212

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

130110   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110   -   J1111   -   J1112   J1209   -   J1210   -   J1211   J1214

           B. SUBSTITUTE J1231

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1229   -   J1230   J1232   -   J1233   -   J1234   -   J1235   -   J1236   -   J1237   -   J1238
           -   J1239

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105   J1108   J1204   -   J1205   J1207   J1212

130120   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110   -   J1111   -   J1112   J1209   -   J1210   -   J1211

           B. SUBSTITUTE J1230

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
           J1229   J1231   -   J1232   -   J1233   -   J1234   -   J1235   -   J1236   J1237   -   J1238
           -   J1239

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105   J1108   J1204   -   J1205   J1207   J1212

130130   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1110   -   J1111   -   J1112   J1209   -   J1210   -   J1211   J1220   J1222

           B. SUBSTITUTE J1229

           C. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1228   J1230   -   J1231   -   J1232   -   J1233   -   J1234   -   J1235

           D. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1105   J1108   J1204   -   J1205   J1207   J1212

130150   A. TEST THE DIGITAL CARDS LISTED BELOW
           J1210

           B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1239

           C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
           J1107   J1206

230000   J1114

410000   J1117

430150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1239

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

501706   J1220

660025   J1112   J1114   J1209   J1222

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1105   J1107

700000   J1110 - J1111I - J1112 - J1113 - J1114 - J1115 - J1116 - J1117 - J1118
     - J1119 - J1120 - J1121   J1209 - J1210 - J1211   J1214 - J1215 - J1216
     - J1217 - J1218 - J1219 - J1220   J1222

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1103 - J1104 - J1105 - J1106 - J1107 - J1108 - J1109   J1206 - J1207

700002   J1110 - J1111 - J1112 - J1113 - J1114   J1117   J1119 - J1120 - J1121
        J1209   J1211   J1214   J1216 - J1217 - J1218 - J1219   J1221 - J1222

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1104 - J1105 - J1106 - J1107 - J1019 - J1109   J1206 - J1207 - J1209

700003   J1110 - J1111   J1112   J1114 - J1115 - J1116 - J1117   J1119   J1121
        J1209 - J1210 - J1211   J1214   J1217 - J1218   J1220 - J1221

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1103 - J1104   J1106 - J1107 - J1108 - J1109   J1126   J1206 - J1207
     - J1208

700004   J1219

700013   J1220

Change 3 2-214

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU ON

STOP   **CONNECTORS**

000000   J1120

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIEST
    J1109   J1206

000010   J1110   J1119

000775   J1211   J1217

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1109

001001   J1218

001712   J1111   J1117   J1210   -   J1211

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206   J1212

002000   J1210

012100   J1217

013221   J1211

020040   J1210

030030   J1217

125500   J1110

130000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESI
    J1208

165500   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES$
    J1106

220500   J1111   J1119

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1108

510000   J1216

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1105   J1109   J1208

510020   J1120

Change 3 2-215

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU ON**

STOP   **CONNECTORS**

510021   J1110   J1111   J1113 - J1114 - J1115 - J1116 - J1117 - J1118 - J1119
              J1209 - J1210 - J1211   J1214 - J1215 - J1216 - J1217 - J1218 - J1219
              J1221

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES$
J1103   - J1104   J1206   - J1207 - J1208

511224   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIESS
              J1208

666230   JI1111
666233   J1116

700000   J01110 - J1111 - J1112 - J1113 - J1114 - J1115 - J1116 - J1117 - J1118
          - J1119 - J1120 - J1121   J1209 - J1210 - J1211 J1216   - J1217 - J1219
          - J1219 - J1220 - J1221 - J1222

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES#
              J1103 - J1104 - J051105 - J1106   - J1107 - J1108 - J1109   J1126   J1206
              J1208

700002   J1110 - J1111 - J1112 - J1113   J1115 - JI116   J1118 - J1119   J1121
              J1210 - J1211   J1214   J1216 - J1217   J1219

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1103 - J1104 - J01105 - J1106 J1109   J1126 J1206   J1208

700003   J1112   J1114 - J1115   J1121   J1209 - J1210 J1215   - J1216 - J1217
          - J1218 - J1219   J1221

              SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1106   J1108   J1212

Change 3   2-216

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU ON

STOP   CONNECTORS

000775   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1126

700000   J1110   -   J1111   J1113   J1119   J1218

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
              J1105   -   J1106

700003   J1110

Change 3   2-217

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU ON |

STOP   **CONNECTORS**

111111   J1113   J1115   -   J1116   -   J1117   J1215   -   J1216   J1220

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1108

130000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1105

510000   J1110
700000   J1110   J1113   J1115

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1207

700002   J1116

Change 3 2-218

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU ON

STOP   **CONNECTORS**

000001   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1204

000603   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
              J1204   -   J1205

175203   J1116   J1118   J1215   -   J1216

777003   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1104

777201   J1116

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1106   -   J1107   J1204   J1206

Change 3 2-219

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU ON |

STOP   **CONNECTORS**

777007   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1115   -   J1116   J1118   J1216

          B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1228

          C. SUBSTITUTE THE CARD ASSEMBLIES LISTED BELOW
          J1105   -   J1106   -   J1107

777017   A. TEST THE DIGITAL CARDS LISTED BELOW
          J1110

          B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1105   J1107   J1206

TABLE 2-8. MEMORY 3 FAULT LOCATION -CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU ON**

STOP   **CONNECTORS**

777777   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1228

All data on pages 2-223 thru
2-252, including tables 2-9
thru 2-12, deleted

Change 3 2-221/(2-222 blank)

TABLE 2-13. DISPLAY CONSOLE - 0 LHS (W/ADP FI) FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

NOTE:

A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:"

CONNECTOR	TYPE	PART NUMBER
J1125	1K OHM RESISTOR	587118
J1211	240 OHM RESISTOR	507119
J1222	240 OHM RESISTOR	587119
J1303	TYPE 1 CATAGORY SELECT	10281673
THRU		
J1307	TYPE 1 CATAGORY SELECT	10281673
J1300	240 OHM RESISTOR	587119
J1312	ARITH LOGIC UNIT CONT.	10281675
J1313	ARITHMETIC LOGIC	10284731
THRU		
J1316	ARITHMETIC LOGIC	10284731
.J1320	BIPOLAR READ/WRITE MEM.	10201607
J1323	DIPOLAR READW.JRITE MEM.	10201607
J1324	DISPLAY MEMORY NO.5	10203635
J1325	FILE ADDRESS CONTROL	10201777
J1326	DISPLAY MEMORY NO.3	10283633
J1329	DISPLAY MEMORY NO.1	10203631
J1330	DISPLAY MEMORY NO.4	10203634
J1333	DISPLAY MEMORY NO.2	10203700
J1334	SENSE SWIITCH LOGIC	10201793
J1335	BIPOLAR RED/WRITE MEM.	10281607

000000   J1104   J1115   J1118 - J1119   J1207 - J1208   J1224   J1227   J1336

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1322   J1330

001035   J1106   J1110 - J1111   J1117   J1119   J1122   J1128   J1209   J1212   J1213
       J1216   J1220   J1225   J1227 - J1228 - J1229   J1233   J1327 - J1328   J1336
       J1341

       SUBSTITUTE THE FOLLOWING CARD ASSEM BLIES:
       J1222   J1312   J1314   J1334

001057   J1104   J1115   J1131   J1206 - J1207   J1209 - J1210   J1212 - J1213 - J1214
   - J1215 - J1216   J1219 - J1220   J1224   J1228 - J1229 - J1230 - J1231   J1233
   - J1234   J1338 - J1339

TABLE 2-13. DISPLAY CONSOLE - 0 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222   J1313   J1316   J1325   J1330   J1334

001062   J1104   J1107   J1109 - J1110 - J1111 - J1112   J1115   J1119 - J1120   J1122
        J1129   J1205 - J1206   J1212   J1214   J1225   J1229   J1232   J1310   J8133

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1211   J1334

001107   J1207 - J1208   J1228

001113   J1200

001117   J1208

001127   J1208

001133   J1208

001134   J1208

001135   J1208'

001141   J1208

001150   J1228

001155   J1208   J1228

001167   J1208

001205   J1208   J1220

0881216   J1208

001221   J1208

001237   J1208

001250   J1208

001254   J1228

001256   J1228

001264   J1228

001326   J1228

001366   J1227

TABLE 2-13. DISPLAY CONSOLE - 0 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP												CONNECTORS
001426	J1204											
001666	J1104	J1106	J1108	-	J1109	J1111	J1115	J1117	-	J1118	J1122	J1135
	J1209	J1234										
070000	J1227											

2-255

TABLE 2-13. DISPLAY CONSOLE - 0 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

008087   J1234

000033   J1104   J1106 - J1107   J1109 - J1110 - J1111 - J1112   J1115   J1117 - J1118
             - J1119 - J1120   J1122 - J1123 - J1124   J1126 - J1127   J1129 - J1130 - J1131
               J1133 - J1134 - J1135   J1137   J1139 - J1140 - J1141 - J1142   J1209   J1218
             - J1219   J1223 - J1224   J1226   J1229 - J1230   J1232   J1235   J1311   J1317
             - J1318 - J1319   J1332   J1336   J1338   J1341 - J1342

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1125   J1211   J1222   J1308

000050   J1117   J1118   J1119   J1120   J1122   J1129   J1130   J1131   J1135   J1138
              J1140   J1223   J1224   J1336   J1330   J1340   J1341   J1342

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1308

002100   J1105 - J1106 - J1107 - J1108 - J1109 - J1110 - J1111   J1115   J1117 - J1118
             - J1119 - J1120   J1122 - J1123 - J1124   J1126 - J1127   J1129 - J1130 - J1131
               J1133 - J1134 - J1135   J1137 - J1138   J1140 - J1141 - J1142   J1204 - J1205
             - J1206 - J1207 - J1208 - J1209   J1216 - J1217   J1220   J1223 - J1224   J1226
             - J1227 - J1228 - J1229   J1234 - J1235   J1327 - J1326   J1336   J1340 - J1341
             - J1342

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1125   J1222   J1300

002420   J1111   J1115   J1117 - J1118 - J1119   J1122 - J1123 - J11124   J1128   J1130
             - J1131   J1133 - J1134   J1308 - J1139 - J1140 - J1141 - J11142   J1205   J1342

010033   J1107   J1109   J111   J1115   J11l18 - J1119 - J1120   11122   J1124   JI126
              J1130 - J1131   J133   J1135   J1223   J1234

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1308

012209   J1234

020033   J1122 - J1123   J1135   J1141 - J1142   J1235

030033   J11109   J1115   J1118   J1140   J11142   J1235

040033   J1123   J1126   J1129   J1135   J1140   J1205   J1228   J1233   J1332

050033   J1111   J1111   J1122   J1130 - J1131   J1224   J1233   J1235

           SUBSTITUTE THE FOLLOWIING CARD ASSEMBLIES:
           J11222

060033   J11110   J1123   J11126   J1129   J1135   J1139   J1233   J1336

           SUBSTITUTE THIE FOLLOWING CARD ASSEMBLIES:

TABLE 2-13. DISPLAY CONSOLE - 0 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

	J1222					
070033	J1123	J1126	J1129	J1130	J1226	J1229
102040	J1108	J1228				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1324   J1330

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TABLE 2-13. DISPLAY CONSOLE - 0 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**

STOP   **CONNECTORS**

000001	J1117	J1120	J1122	-	J1123	J1126	J1128	-	J1129	J1133	-	J1134	J1205
	J1341												

000002	J1117	J1120	J1126	J1128	J1205

000003	J1104	J1117	-	J1118	J1120	J1126	-	J1127	-	J1128	-	J1129	J1205	J1221
	J1341	-	J1342											

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1222   J1330

00004	J1117	J1120	J1126	J1120	-	J1129

000005	J1119	J1122	J1124	J1126	-	J1127	-	J1128	-	J1129	J1210	J1215	J1228
	J1231	-	J1232	-	J1233	J1317	-	J1310	J1331	J1341			

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1211   J1315   J1321   J1335

000007	J1117	J1126	-	J1127	-	J1120	-	J1129	J1135	J1331

000010	J11117	J1120	J1126	J1128	-	J1129

000012	J1110	J1124	J1127	-	J1128	-	J1129	J1207	J11210	J1215	J1228	J1239
-	J1231	-	J1232	-	J123S	J1319	J1331					

SUBSTITUTE THE FOLLWING CARD ASSEMBLIES:
J1211   J1313   -   J1431   J1320   -   J1321   -   J1322   J1335

000014	1126

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1321   J1330

000016	J1205

000017	J1105	J1108	J1115	J1117	-	J1118	-	J1119	-	J1120	J1123	-	J1124	J1126
-	J1127	-	J1128	-	J1129	-	J1130	-	J1131	J1133	-	J1134	-	J1135	J1205	-	J1206
	J1210	J1212	-	J1213	-	J1214	-	J1215	-	J1216	J1220	J1224	J1226	-	J1227
-	J1220	J1230	-	J1231	-	J1232	-	J1233	-	J1234	-	J1235	J1327	-	J1328	J1331
	J1336	J1338	-	J1339	-	J1340	-	J1341	-	J1342					

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
J1211   J1222   J1312   -   J1313   -   J1314   -   J1315   -   J1316   J1321   -   J1322   J1325
J1330   J1334   -   J1335

000322	J1142

000522	J1120

001022	J1104	-	J1105	-	J1106	-	J1107	-	J1108	-	J1109	-	J1110	J1115	J1117	-	J1118
-	J 1119	-	J1120	J1122	-	J1123	J112 9	J1135I	J1140	-	J1141						

TABLE 2-13. DISPLAY CONSOLE - 0 LHS (W/ADP FI) FRULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU ON	CPU ON

STOP   **CONNECTORS**

STOP																			
001823		J1115		J1110	-	J1119	-	J1120		J1126		J1128		J1228					
010322		J1122																	
010722		J1134																	
011017		J1104	-	J1105	-	J1106	-	J1107	-	J1100	-	J1109	-	J1110	-	J1111	-	J1112	J1115
		J1117	-	J1118	-	J1119	-	J1120		J1122	-	J1123	-	J1124		J1126	-	J1127	J1129
	-	J1130	-	J1131		J1133	-	J1134	-	J1135		J1137	-	J1138	-	J1139	-	J1140	-	J1141
	-	J1142		J1205	-	J1206	-	J1207	-	J1200	-	J1209	-	J1210		J1213	-	J1214	J1217
		J1221		J1223	-	J1224		J1231		J1233	-	J1234		J1336		J1330	-	J1339	-	J1340
	-	J1341	-	J1342															

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1125   J1211   J1222   J1308

STOP																			
011022		J1106		J1131		J1223													
100017		J1131																	
100117		J1110		J1119	-	J1120		J1124		J1127		J1129		J1135		J1206	-	J1207	J1210
		J1212		J1214	-	J1215	-	J1216	-	J1217		J1220	-	J1221		J1225	-	J1226	-	J1227
		J1229	-	J1230		J1232	-	J1233	-	J1234	-	J1235		J1317		J1332		J1336	J1338
	-	J1339	-	J1340															

SUBSTITUTE THE FOLLOI.IIMG CAR   ASSEMBLIES:
J1211   J1222   J1312   -   J1313   -   J1314   -   J1315   -   J1316   J1324   -   J1325   J1334
-   J1335

STOP		
100217	J1339	
100317	J1339	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1310

STOP		
100417	J1235	J1339
100517	J1229	
100617	J1339	
100717	J1339	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1330

STOP																			
101017		J1104	-	J1105	-	J1106	-	J1107	-	J1108	-	J1109	-	J1110	-	J1111	-	J1112	J1115
		J1117	-	J1118	-	J1119	-	J1120		J1122	-	J1123	-	J1124		J1126	-	J1127	-	J1120
	-	J1129	-	J1130		J1133	-	J1134	-	J1135	-	J1136		J1139		J1204	-	J1205	-	J1206
	-	J1207	-	J1208	-	J1209	-	J1210		J1212	-	J1213	-	J1214	-	J1215	-	J1216	-	J1217

TABLE 2-13. DISPLAY CONSOLE - 0 LHS (W/ADP F1) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU ON   CPU ON

STOP   CONNECTORS

```
       J1219  -  J1220  -  J1221     J1223  -  J1224  -  J31225 -  J1226  -  J1227  -  J1228  -  J1229
   -   J1230  -  J1231  -  J1232  -  J1233  -  J1234  -  J1235     J1311     J1317  -  J1318  -  J1319
       J1327  -  J1328     J1331  -  J1332     J1336     J1338  -  J1339  -  J1340  -  J1341  -  J1342

       SUBSTITUTE THE FOLLOWING CARD ASSEMBIIES:
       J1125     J1211     J1222     J1308     J1312  -  J1313  -  J1314  -  J1315  -  J1316     J1320
   -   J1321  -  J1322  -  1323   -  J1324     J1325  -  J1326     J1329  -  J1330     J1333  -  J1334
   -   J1335

101022  J1106  -  J1107     J1109     J1111  -  J1112     J1115     J1116     J1120     J1122     J1130
        J1223     J1336
```

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TABLE 2-13. DISPLAY CONSOLE - 0 LH3 (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU ON	CPU ON

STOP   **CONNECTORS**

777777   J1106   J1100 - J1109 - J1110 - J1111   J1119 - J1128   J1206   J1209

SUBSTITUTE THE FOLLOWING CARD ASSEMSLIES:
J1211   J1307   J1314

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TABLE 2-14. DISPLAY CONSOLE - 0 CS (J/ADP FI) FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU ON   CPU ON

 STOP   CONNECTORS

NOTE:

A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATIOM OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: "

CONNECTOR	TYPE	PART NUMBER
J1102	AC COUPLED I/0	10203630
THRU		
J1107	AC COUPLED I/0	10283630

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TABLE 2-14. DISPLAY CONSOLE - 0 CS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU ON

STOP   CONNECTORS

TABLE 2-14. DISPLAY CONSOLE - 0 CS (W/ADP FI) FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU ON | CPU ON |

STOP   **CONNECTORS**

000005   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1105

000010   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1103

0000817   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1103   -   J1104   J1106

100417   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1102

101017   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1102   -   J1103   -   J1104   -   J1105   -   J1106   -   J1107

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TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU ON	CPU ON

STOP   CONNECTORS

NOTE:

A LIST OF NON TESTABLE CARDS WITH CONNE: CTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: "

CONNECTOR	TYPE	PART NUMBER
J1125	1K OHM RESISTOR	587118
J1211	240 OHM RESISTOR	587119
J1222	2480 OHM RESISTOR	587119
J1303	TYPE 1 CATAGORY SELECT	10281673
THRU		
J1307	TYPE 1 CATAGORY SELECT	10201673
J1308	240 OHM RESISTOR	587119
J1312	ARITH LOGIC UNIT CONT.	18201675
J1313	ARITHMETIC LOGIC	10284731
THRU		
J1316	ARITHMETIC LOGIC	10284731
J1320	BIPOLAR READ/WRITE MEM.	10281607
THRLI		
J1323	BIPOLAR READ/WRITE MEM.	10281607
J1324	DISPLAY MEMORY NO.5	10283635
J1325	FILE ADDRESS CONTROL	10281777
J1326	DISPLAY MEMORY NO.3	10283633
J1329	DISPLAY MEMORY NO.1	10283631
J1330	DISPLAY MEMORY NO.4	18283634
J1333	DISPLAY MEMORY NO.2	10283700
J1334	SENSE SWITCH LOGIC	10281798
J1335	BIPOLAR READ/WRITE MEM.	10281607

000000   J1108   J1111   J1115   - J1116   - J1117   - J1118   J1139   J1142   J1207   J1210
          J1212   - J1213   J1215   - J1216   - J1217   - J1218   - J1219   J1223   J1225   - J1226
       - J1227   - J1228   J1233   J1318   J1327   - J1328   J1342

SUBSTITUTE THIE FOLLOWING CARD ASSEMBLIES:
          J1308   J1312   - J1313   - J1314   - J1315   - J1316   J1320   - J1321   - J1322   J1324
       - J1325   J1330

001035   J1106   J1110   - J1111   J1117   J1119   J1122   J1209   J1212   J1216   J1218
          J1220   J1224   - J1225   J1227   - J1220   - J1229   - J1230   J1318   J1327   - J1328
          J1341

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1222   J1312   J1314   J1326   J1334

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TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) ,AULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF						
DIAGNOSE STATUS	IOU OFF	CPU OFF						
STOP					CONNECTORS			

001057 J1206 - J1207 J1209 - J1210 J1212 - J1213 - J1214 - J1215 - J1216 J1218
   - J1219 - J1220 J1226 J1228 - J1229 J1231 - J1232 - J1233

   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1222 J1313 J1334

001062 J1104 J1109 J1111 - J1112 J1115 - J1116 J1119 - J1120 J1131 - J1132
   J1206 J1209 J1214 J1224 - J1225 J1229 J1336 J1330

   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1211 J1316 J1325 - J1326 J1334

001666 J1104 J1106 - J1107 - J1108 - J1109 - J1110 - J1111 J1117 J1118 - J1119
   - J1120 J1133 J1206 J1226 J1232

   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1211

814041 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1316

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FIAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU ON	CPU ON

STOP   CONNECTORS

000007   J1219   J1234

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1323   J1326   J1329

000033   J1104   J1106 - J1107   J1109 - J1110 - J1111   J1115 - J1116   J1110 - J1119
   - J1120   J1122   J1124   J1126   J1130 - J1131 - J1132 - J1133 - J1134 - J1135
    J1223   J1336

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222   J1308   J1326

002100   J1131

002200   J1234 - J1235   J1332

002420   J1115   J1118

010033   J1104   J1106 - J1107   J1109 - J1113 - J1111 - J1112   J1115   J1117 - J1118
   - J1119 - J1120   J1122 - J1123 - J1124   J1126   J1129 - J1130 - J1131 - J1132
   - J1133 - J1134 - J1135   J1139 - J1140 - J1141   J1218 - J1219   J1223   J1226
    J1233 - J1234 - J1235   J1311   J1317 - J1318 - J1319   J1327   J1332   J1336
    J1341 - J1342

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1125   J1211   J1222   J1308

010050   J1117 - J1118 - J1119 - J1120   J1122 - J1123   J1126   JI129 - J1130 - J1131
   - J1132   J1135   J1138   J1140   J1223 - J1224   J1336   J1330   J1340 - J1341
   - J1342

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1300

012100   J1104 - J1105 - J1106   J1107 - J1108 - J1109 - J1110 - J1111 - J1112   J1115
   - J1116 - J1117 - J1118 - J1119 - J1120   J1122 - J1123 - J1124   J1126 - J1127
    J1130 - J1131 - J1132 - J1133 - J1134 - J1135   J1137 - J1138 - J1139 - J1140
   - J1141 - J1142   J1204 - J1205 - J1206 - J1207 - J1208 - J1209   J1214   J1216
   - J1217   J1220   J1223 - J1224   J1227   J1234 - J1235   J1336   J1340 - J1341
   - J1342

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1125   J1222   J1308
012200   J1109

020033   J1116   J1118   J1130   J1135   J1205   J1338

030033   J1115   J1122   J1226   J1228   J1230

040033   J1120   J1122   J1141

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU ON |

STOP   **CONNECTORS**

050033	J1111		J1123	J1234			
060033	J1122		J1209				
070033	J1115	-	J1116	J1141	J1229	J1233	-	J1234
112040	J1228		J1233	J1318	J1338			

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1324   J1330

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TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU ON   CPU ON

STOP   **CONNECTORS**

```
000803   J1135     J1141

000017   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1326

001017   J1104  -  J1105  -  J1106  -  J1107  -  J1108  -  J1109  -  J1110  -  J1111  -  J1112     J1115
       - J1116  -  J1117  -  J1118  -  J1119  -  J1120     J1122  -  J1123  -  J1124     J1126  -  J1127
         J1129  -  J1130  -  J1131  -  J1132  -  J1133  -  J1134  -  J1135     J1137  -  J1138  -  J1139
       - J1140  -  J1141  -  J1142     J1205  -  J1206  -  J1207  -  J1208  -  J1209  -  J1210     J1213
       - J1214     J1217     J1221     J1223     J1231  -  J1232  -  J1233     J1336     J1338     J1340
       - J1341  -  J1342

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1125     J1211     J1222     J1308

001022   J1106     J1111     J1315  -  J1116     J1131

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1211
010001   J1111     J1117  -  J1118     J1120     J1122  -  J1123     J1126     J1128  -  J1129     J1132
         J1134     J1205     J1341
010002   J1117     J1120     J1126     J1128     J1205     J1230     J1233

010003   J1104     J1116  -  J1117  -  J1118  -  J1119  -  J1120     J1126  -  J1127  -  J1120  -  J1129
         J1205     J1207     J1215     J1220  -  J1221     J1225     J1235     J1332     J1341  -  J1342

         SLIBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1222     J1330

010004   J1117     J1120     J1126     J1128  -  J1129     J1132

010005   J1119     J1122     J1124     J1126  -  J1127  -  J1123  -  J1129     J1210     J1215     J1228
         J1231  -  J1232  -  J1233     J1317  -  J1318     J1331     J1336     J1341

         SUBSTITUTE THE FOLLOLING CARD ASSEMBLIES:
         J1211     J1315  -  J1316     J1321     J1335

010007   J1117     J1126  -  J1127  -  J3112  -  J1129     J1132     J1135     J1331

010010   J1117     J1120     J1126     J1128  -  J1129     J1132     J1338

010012   J1110     J1124     J1127  -  J1128  -  J1129     J1210     J1215     J1228     J1230  -  J1231
       - J1232  -  J1233     J1319     J1331

         SUBSTITUTE TIE FOLLOWING CARD ASSEMBLIES:
         J1211     J1313  -  J1314     J1320  -  J1321  -  J1322     J1335

010013   J1120

018014   J1116     J1126     J1221     J1224     J1233
```

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU ON   CPU ON

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1321   J1330

010817   J1104 - J1105 - J1106 - J1107 - J1108 - J1109 - J1110 - J1111   J1115 - J1116
    - J1117 - J1110 - J1119 - J1120   J1122 - J1123 - J1124   J1126 - J1127 - J1128
    - J1129 - J1130 - J1131 - J1132 - J1133 - J1134 - J1135   J1130 - J1139   J1140
    - J1141 - J1142   J1285 - J1206 - J1207   J1209 - J1210   J3212 - J1213 - J1214
    - J1215 - J1216 - J1217 - J1212 - J1219 - J1220 - J1221   J1223 - J1224 - J1225
    - J1226 - J1227 - J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235
    J1311   J1317 - J1318 - J1319   J1327 - J1328   J1331 - J!332   J133G   J1330
    - J1339 - J1340 - J1341 - J1342

SUBSTITUTE THE FOLLOLI.ING CARD ASSEMBLIES:
    J1125   J1211   J1222   J1308   J1312 - J1133 - J1314 - J1315 - J1316   J1320
    - J1321 - J1322 - J1323 - J1324 - J1325 - J1326   J1330   J1333 - J1334 - J1335

011022   J1109   J1115   J1117 - J1118   J1120   J1122

011023   J1115 - J1116   J1118 - J1119 - J1120   J1126   J1223

100017   J1131

100107   J1129

100117   J1118   J1120 - J1129   J1207   J1212   J1216   J!210 - J1219   J1221   J1226
    - J1227 - J1220   J1232 - J1233   J1317   J1319   J1332   J1336   J1338   J1340
    - J1341

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1222   J1312 - J1313 - J1314 - J1315 - J1316   J1324   J1330   J1335

100217   J1215   J1317   J1342

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1222   J1313   J1322   J1324 - J1325   J1330

100417   J1338

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1222

100517   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1222

100617   J1338 - J1339

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1222

100717   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1222

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU ON | CPU ON |

STOP   **CONNECTORS**

```
181817     J1104  -  J1105  -  J1106  -  J1107  -  J1138  -  J1109  -  J1110  -  J1111  -  J1112     J1115
        -  J1116  -  J1117  -  J1118  -  J1119  -  J1120     J1122  -  J1123  -  J1124     J1126  -  J1127
        -  J1128  -  J1129  -  J1130     J1132  -  J1133  -  J1134  -  J1135  -  J1136  -  J1137     J1139
           J1141  -  J1142     J1204  -  J1205  -  J1206  -  J1207  -  J1208     J1210     J1212  -  J1213
        -  J1214  -  J1215  -  J1216  -  J1217  -  J1218  -  J1219  -  J1220  -  J1221     J1223  -  J1224
        -  J1225  -  J1226  -  J1227  -  J1228  -  J1229  -  J1230  -  J1231  -  J1232  -  J1233     1234
        -  J1235     J1311     J1317  -  J1310  -  J1319     J1327  -  J1328     J1331  -  J1332     J1336
           J1338  -  J1339  -  J1340  -  J1341  -  J1342

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1125     J1211     J1222     J1308     J1312  -  J1313  -  J1314  -  J1313  -  J1316     J1320
        -  J1321  -  J1322  -  J1323  -  J1324  -  J1325  -  J1326     J1329  -  J1330     J1333  -  J1334
        -  J1335
181022     J1111     J1115     J1120     J1130     J1132     J1223     J1235
```

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS		IOU OFF		CPU OFF						
DIAGNOSE STATUS		IOU ON		CPU ON						
STOP								CONNECTORS		
777777	J1106	J1108	- J1109	J1111	J1115	J1120	J1122	J1135	J1205	- J1206
	J1209	J1327	- J1328							

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU ON	CPU ON
DIAGNOSE STATUS	IOU ON	CPU ON

STOP   **CONNECTORS**

777777   J1341

2-273

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (WLADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU ON
DIAGNOSE STATUS   IOU OFF   CPU ON

STOP   **CONNECTORS**

366053   J1210

2-274

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU ON | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

543725	J1218
740344	J1218
751743	J1218
761304	J1218

2-275

TABLE 2-15. DISPLAY CONSOLE - I LHS (W/ADP FI) FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU ON | CPU OFF |
| DIAGNOSE STATUS | IOU ON | CPU OFF |

STOP   **CONNECTORS**

004202   J1218

2-276

TABLE 2-15 DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU ON | CPU ON |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

600004   J1218

2-277

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS		IOU OFF	CPU OFF						
DIAGNOSE STATUS		IOU OFF	CPU OFF						

STOP							CONNECTORS		
740000	J1218								
777777	J1106	J1108 - J1109	J1111	J1115	J1120	J1122	J1135	J1205 - J1206	
	J1209	J1327 - J1328							

2-278

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU ON | CPU ON |
| DIAGNOSE STATUS | IOU ON | CPU OFF |

STOP   **CONNECTORS**

| 743700 | J1218 |
| 775400 | J1218 |

2-279

TABLE 2-15. DISPLAY CONSOLE - 1 LHS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU ON	CPU ON
DIAGNOSE STATUS	IOU ON	CPU ON

STOP   **CONNECTORS**

777777   J1341

2-280

TABLE 2-16. DISPLAY CONSOLE - 1 CS (W/ADP FI) FAULT LOCATION

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**

STOP   **CONNECTORS**

NOTE:

A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES: "

CONNECTOR	TYPE	PART NUMBER
J1102	AC COUPLED I/O	10283630
THRU		
J1107	AC COUPLED I/O	10283630

2-281

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

 STOP   CONNECTORS

2-282

TABLE 2-16. DISPLAY CONSOLE - 1 CS (W/ADP FI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU ON	CPU ON

STOP   **CONNECTORS**

010007   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1103

010010   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1103

010017   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1102   -   J1103   -   J1104   -   J1105   -   J1106

101017   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1103

TABLE 2-17. MTU (GENISCO) FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

CAUTION
REMOVE TAPE CARTRIDGE FROM TAPE TRANSPORT BEFORE USING MODULE TEST SET TO
TEST DIGITAL CARDS IN THE MTU.

NOTE
THE FOLLOWING CARDS ARE LOCATED IN THE TAPE TRANSPORT SECTION
OF THE MTU: A1   R/J LOGIC   464
                A2   R/W LOGIC   464
                A3   R/W LOGIC   464
                A4   CONTROL LOGIC 467
                A5   SERVO AMP 465

000000   1. SUBSTITUTE:
         A. A4   CONTROL LOGIC 467
         B. A5   SERVO AMP 465
         2. TEST DIGITAL CARDS.

000000   J1107   J1112   - J1113   J1115   - J1116   - J1117   J1119   J1126   - J1127   J1129
         - J1130   - J1131   - J1132   - J1133   - J1134   - J1202   - J1203   - J1204   - J1205   - J1286
         - J1207   - J1288   - J1209   - J1210   - J1211   - J1212   - J1213   - J1214   - J1215   - J1216
         - J1217   - J1218   J1220   - J1221   - J1222   - J1223   - J1224   - J1225   - J1226   - J1227
         - J1228   - J1229   - J1230   - J1231   - J1232   - J1233

540001   1. SUBSTITUTE:
         A. A5   SERVO AMP 465
         B. A4   CONTROL LOGIC 467
         2. TEST DIGITAL CARDS.

540001   J1113   J1116   - J1117   - J1118   J1121   - J1122   - J1123   - J1124   - J1125   J1128
           J1130   J1132   - J1133   - J1134   J1202   - J1203   - J1204   - J1205   J1207   - J1208
         - J1209   J1211   J1214   - J1215   - J1216   J1218   J1222   - J1223   J1227   - J1228
         - J1229   J1231

540002   1. SUBSTITUTE: A4 CONTROL LOGIC 467
         2. TEST DIGITAL CARDS.

540002   J1105   J1113   J1115   - J1116   J1121   - J1122   - J1123   - J1124   - J1125   J1128
           J1133   J1226   J1231

540003   1. SUBSTITUTE:
         A. A5   SERVO AMP 465
         B. J1120 OSC CARD 587100
         2. TEST DIGITAL CARDS.

540003   J1106   - J1187   - J1108   - J1109   - J1110   - J1111   - J1112   - J1113   - J1114   - J1115
         - J1116   - J1117   - J1118   - J1119   J1121   - J1122   - J1123   J1125   - J1126   - J1127
         - J1128   - J1129   J1202   - J1203   - J1204   - J1285   - J1206   - J1207   - J1208   - J1209
         - J1210   - J1211   - J1212   - J1213   - J1214   - J1215   - J1216   - J1217   - J1218   J1220
         - J1221   - J1222   J1224   - J1225   - J1226   - J1227   - J1228   - J1229   - J1230   J1232

TABLE 2-17. MTU (GENISCO) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
540004    J1108  - J1109 - J1110 - J1111 - J1112   J1118   J1121 - J1122 - J1123   J1125
        - J1126  - J1127 - J1128 - J1129 - J1130 - J1131 - J1132   J1282 - J1203 - J1204
        - J1205  - J1206 - J1207 - J1208   J1213 - J1214   J1216   J1218

540005    J1113    J1115 - J1116 - J1117   J1121 - J1122 - J1123   J1125 - J1126 - J1127
        - J1128    J1207 - J1208   J1213

540006   1.  SUBSTITUTE: J1120  OSC CARD  587100
         2.  TEST DIGITAL CARDS.

540006    J1106    J1116 - J1117 - 1118 - J1119   J1121 - J1122 - J1123   J1125   J1127
        - J1128  - J1129   J1132   J1134   J1204 - J1205 - J1206 - J1207 - J1208 - J1209
          J1213  - J1214 - J1215 - J1216   J1218   J1220   J1229 - J1230   J1232 - J1233

540007    J1109  - J1110 - J1111   J1113   J1116 - J1117 - J1118 - J1119   J1121 - J1122
        - J1123  - J1124 - J1125 - J1126 - J1127 - J1128 - J1129 - J1130 - J1131 - J1132
        - J1133  - J1134   J1202   J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213
        - J1214  - J1215 - J1216 - J1217 - J1218   31220 - J1221 - J1222 - J1223   J1225
        - J1226    J1228 - J1229 - J1230 - J1231 - J1232 - J1233

540010    J1125    J1128    J1130 - J1131 - J1132

540011   1.  SUBSTITUTE:
         A.  A1    R/W LOGIC  464
         B.  A3    R/W LOGIC  464
         C.  A4    CONTROL LOGIC  467
         2.  TEST DIGITAL CARDS.

540011    J1125    J1128    J1130 - J1131 - J1132 - J1133   J1233

540012   1.  SUBSTITUTE:
         A.  A3    R/W LOGIC  464
         B.  A2    R/W LOGIC  464
         2.  TEST DIGITAL CARDS.

540012    J1125    J1128    J1130 - J1131 - J1132 - J1133   J1233

540013   1.  SUBSTITUTE:
         A.  A1    R/W LOGIC  464
         B.  A2    R/W LOGIC  464
         2.  TEST DIGITAL CARDS.

540013    J1125    J1128    J1130 - J1131 - J1132 - J1133   J1233

540014   1.  SUBSTITUTE:
         A.  A3    R/J LOGIC  464
         B.  A2    R/W LOGIC  464
         2.  TEST DIGITAL CARDS.

540014    J1125    J1128    J1130 - J1131 - J1132 - J1133   J1233

540015   1.  SUBSTITUTE:
```

TABLE 2-17. MTU (GENISCO) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
            A. A2      R/I LOGIC  464
            B. A1      R/W LOGIC  464
            2. TEST DIGITAL CARDS.

540015      J1117      J1125      J1120      J1138  -  J1131  -  J1132  -  J1133      J1233
540016      1. SUBSTITUTE:
            A. A2      R/W LOGIC  464
            B. A1      R/W LOGIC  464
            2. TEST DIGITAL CARDS.

540016      J1125      J1128      J1130  -  J1131  -  J1132  -  J1133      J1207      J1220      J1222  -  J1223
            J1227  -  J1220      J1233

540017      1. SUBSTITUTE:
            A. AI      R/W LOGIC  464
            B. A3      R/W LOGIC  464
            C. A5      SERVO AMP  465
            2. TEST DIGITAL CARDS.

540017      J1124  -  J1125      J1127  -  J1128      J1130  -  J1131  -  J1132  -  J1133  -  J1134      J1203
            -  J1204  -  J1205      J1222      J1230  -  J1231  -  J1232  -  J1233

540020      1. SUBSTITUTE:  A4 CONTROL LOGIC 467
            2. TEST DIGITAL CARDS.

540020      J1116      J1216  -  J1217      J1221      J1226  -  J1227

540021      1. SUBSTITUTE:
            A. A4      CONTROL LOGIC 467
            B. A1      R/W LOGIC  464
            2. TEST DIGITAL CARDS.
540021      J1115  -  J1116  -  J1117  -  J1118  -  J1119      J1125  -  J1126      J1209  -  J1218      J1214
            -  J1215      J1217      J1220  -  J1221  -  J1222  -  J1223      J1225  -  J1226  -  J1227  -  J1228
            -  J1229      J1231

540022      1. SUBSTITUTE:
            A. A4      CONTROL LOGIC 467
            B. A2      R/W LOGIC  464
            2. TEST DIGITAL CARDS.

540022      J1122  -  J1123      J1127  -  J1128      J1131      J1288      J1214  -  J1215  -  J1216      J1210
            J1220      J1222      J1224      J1233

540024      1. SUBSTITUTE:
            A. A5      SERVO AMP  465
            B. A4      CONTROI LOGIC 467
            2. TEST DIGITAL CARDS.

540024      J1115  -  J1116      J1119      J1125  -  J1126  -  J1127      J1133      J1202      J1204      J1208
            J1218      J1213  -  J1214      J1217  -  J1218      J1220  -  J1221  -  J1222  -  J1223  -  J1224
```

TABLE 2-17. MTU (GENISCO) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
              J1226    -  J1227    -  J1228    -  J1229    -  J1238

540025  1.  SUBSTITUTE:
        A.  A4      CONTROL LOGIC  467
        B.  A5      SERVO AMP  465
        2.  TEST DIGITAL CARDS.
540025        J1126    -  J1127       J1204    -  J1205       J1208       J1210       J1212    -  J1213       J1217       J1227

540027  1.  SUBSTITUTE:
        A.  A4      CONTROL LOGIC  467
        B.  J1120   OSC CARD  587110
        2.  TEST DIGITAL CARDS.

540027        J1121    -  J1122    -  J1123    -  J1124       J1133       J1222       J1227    -  J1228       J1230    -  J1231

540030        J1116       J1121    -  J1122    -  J1123    -  J1124

540031  1.  SUBSTITUTE:
        A.  A4      CONTROL LOGIC  467
        B.  A5       SERVO AMP  465
        2.  TEST DIGITAL CARDS.

540031        J1113       J1121    -  J1122    -  J1123    -  J1124       J1133       J1220       J1226

540032  1.  SUBSTITUTE: J1120  OSC CARD  587100
        2.  TEST DIGITAL CARDS.

540032        J1116    -  J1117    -  J1118       J1121    -  J1122    -  J1123    -  J1124       J1127       J1207    -  J1208
              J1214       J1217    -  J1218       J1220       J1224    -  J1225    -  J1226       J1230

540033  1.  SUBSTITUTE:
        A.  A2      R/W LOGIC  464
        B.  A3      R/W LOGIC  464
        2.  TEST DIGITAL CARDS.

540033        J1113       J1115    -  J1116    -  J1117    -  J1118    -  J1119       J1125    -  J1126    -  J1127       J1129
           -  J1130    -  J1131       J1202    -  J1203    -  J1204    -  J1205    -  J1206    -  J1207    -  J1208       J1210
           -  J1211       J1213    -  J1214    -  J1215    -  J1216    -  J1217       J1220    -  J1221    -  J1222    -  J1223
           -  J1224    -  J1225    -  J1226    -  J1227    -  J1228    -  J1229    -  J1230    -  J1231    -  J1232    -  J1233

540037  1.  SUBSTITUTE:
        A.  A5      SERVO AMP  465
        B.  A4      CONTROL LOGIC  467
        2.  TEST DIGITAL CARDS.

540037        J1107       J1112    -  J1113       J1115    -  J1116    -  J1117       J1119       J1123       J1125    -  J1126
           -  J1127       J1129       J1131    -  J1132    -  J1133       J1202       J1206       J1208    -  J1209       1210
           -  J1211    -  J1212    -  J1213    -  J1214    -  J1215    -  J1216    -  J1217    -  J1218       J1220    -  J1221
           -  J1222    -  J1223    -  J1224    -  J1225    -  J1226    -  J1227    -  J1228    -  J1229    -  J1230    -  J1231
           -  J1232    -  J1233    -  J1234
```

TABLE 2-17. MTU (GENISCO) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

540040   1. SUBSTITUTE:
         A. A2   R/W LOGIC 464
         B. A1   R/W LOGIC 464
         C. A3   R/W LOGIC 464
         D. A4   CONTROL LOGIC 467
         2. TEST DIGITAL CARDS.

540040   J1113   J1124   - J1125   - J1126   - J1127   J1130   - J1131   - J1132   - J1133   - J1134
            J1282   - J1203   J1207   - J1208   J1214   J1217   J1226   J1230   J1233

540041   1. SUBSTITUTE:
         A. A3   R/W LOGIC 464
         B. A1   R/W LOGIC 464
         C. A2   R/W LOGIC 464
         D. A4   CONTROL LOGIC 467
         E. A5   SERVO AMP 465
         2. TEST DIGITAL CARDS.

540041   J1113   - J1114   - J1115   - J1116   - J1117   - J1118   - J1119   J1121   - J1122   - J1123
         - J1124   - J1125   - J1126   - J1127   - J1128   - J1129   - J1130   - J1131   - J1132   - J1133
         - J1134   J1282   - J1283   - J1204   - J1205   - J1206   - J1207   - J1208   - J1209   - J1210
         - J1211   - J1212   - J1213   - J1214   - J1215   - J1216   - J1217   - J1218   J1220   - J1221
         - J1222   - J1223   - J1224   - J1225   - J1226   - J1227   - J1228   - J1229   - J1230   - J1231'
         - J1232   - J1233

540042   1. SUBSTITUTE:
         A. A4   CONTROL LOGIC 467
         B. A5   SERVO AMP 465
         2. TEST DIGITAL CARDS.

540042   J1115   - J1116   - J1117   - J1118   - J1119   J1121   - J1122   J1124   - J1125   - J1126
         - J1127   J1130   J1205   J1208   - J1209   - J1210   - J1211   J1213   - J1214   - J1215
            J1217   - J1218   J1220   - J1221   - J1222   - J1223   - J1224   - J1225   - J1226   - J1227
         - J1228   J1230   - J1231   - J1232

540043   J1115   - J1116   - J1117   - J1118   - J1119   J1124   - J1125   - J1126   - J1127   J1129
         - J1130   J1132   J1134   J1202   - J1203   - J1204   - J1205   - J1206   J1208   J1210
         - J1211   - J1212   - J1213   J1215   - J1216   - J1217   J1220   - J1221   - J1222   - J1223
         - J1224   - J1225   - J1226   - J1227   - J1228   - J1229   J1231   - J1232   - J1233

540044   J1124   - J1125   - J1126   - J1127   J1207

540045   J1124   J1207   J1231

540046   J1117   J1124   - J1125   - J1126   J1128   J1130   - J1131   - J1132   J1134   J1202
         - J1203   - J1204   - J1205   - J1206   - J1207   - J1208   - J1209   J1216   J1218   J1227
         - J1228   - J1229   - J1230   - J1231   - J1232   - J1233

540047   J1121   - J1122   - J1123   - J1124   J1129   J1207   - J1208   J1232   - J1233

702600   J1122   J1127   J1223

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TABLE 2-17. MTU (GENISCO) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

777771   J1114   J1122   J1125   J1127   J1138   J1134   J1212 - J1213 - J1214 - J1215
      - J1216 - J1217 - J1218   J1220 - J1221 - J1222 - J1223 - J1224 - J1225   J1229
      - J1230 - J1231 - J1232 - J1233

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TABLE 2-17. MTU (GENISCO) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

777777   J1227

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TABLE 2-17A   MTU (W/ADPFI) FAULT LOCATION

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**
IOU FAULT	**OFF**	
DEVICE EROR TIME OUT	**OFF**	

000003
J31132   J1209

000006
J1129

000010
J1128

000052
J1129

000065
J1129

000133
J1132

000246
J1128

000676
J1129

001062

BOT   OFF   MTU   FAULT   OFF

J1123   J1207

BOT   OFF   MTU   FAULT   ON

J1207   J1228   J1230   J1231

001660
J1224

Change 3 2-290.1

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**
IOU FAULT   **OFF**
DEVICE EROR TIME OUT   **OFF**

001666

BOT	OFF		MTU	FAULT	OFF

J1115	J1119		J1130	J1134	J1202
J1210	J1213		J1214	J1218	J1225
J1226	J1227		J1228	J1229	J1231

RUN AWAY TAPE

| J1128 | J1203 | | J1204 | J1208 | J1211 |
| J1217 | J1220 | | J1224 | | |

BOT	ON		MTU	FAULT	OFF

J1215

BOT	OFF		MTU	FAULT	ON

J1229

RUN AWAY TAPE

| J1208 | J1210 | | J1226 | | |

002005

J1129

700002

J1130

700230

J1115

RUN AWAY TAPE

J1118

700770

J1111

702600

J1115

Change 3 2-290.2

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**
IOU FAULT   **OFF**
DEVICE EROR TIME OUT   **OFF**

770020

J1222

RUN AWAY TAPE

J1213   J1217   J1223   J1227

772404

J1118

777004

J1124

777770

J1221

777777

BOT   OFF   MTU   FAULT   OFF

J1116   J1126

BOT   ON   MTU   FAULT   OFF

J1284   J1229

BOT   OFF   MTU   FAULT   ON

J1117   J1226

RUN AWAY TAPE

J1225

TABLE 2-17A   MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**
IOU FAULT	**OFF**	
DEVICE EROR TIME OUT	**ON**	

001666

J1115

Change 3 2-290.4

TABLE 2-17A   MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**
IOU FAULT	**ON**	
DEVICE EROR TIME OUT	**OFF**	

000016

    J1214

001666

    J1222

777777

    J1108

Change 3 2-290.5

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**		
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**		
IOU FAULT	**ON**			
DEVICE EROR TIME OUT	**ON**			

001166

     J1116

001666

J1111	J1115	J1116	J1117	J1118
J1119	J1124	J1207	J1208	J1209
J1211	J1212	J1213		
J1214	J1215	J1216	J1217	J1222
J1223	J1224	J1225	J1226	J1228
J1231				

BOT	ON	MTU	FAULT	OFF

     J1214   J1215

BOT	OFF	MTU	FAULT	ON

     J1220   J1221

016660

     J1212

074000

BOT	OFF	MTU	FAULT	OFF

     J1221

BOT	ON	MTU	FAULT	OFF

     J1221   J1223

074001

     J1224

074041

BOT	OFF	MTU	FAULT	OFF

     J1222

BOT	ON	MTU	FAULT	OFF

     J1213   J1214   J1222   J1223   J1231

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**
IOU FAULT	**ON**	
DEVICE EROR TIME OUT	**ON**	

700003

      J1122   J1213

777777

      J1231

Change 3 2-290.7

TABLE 2-17A   MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**
IOU FAULT	**OFF**	
DEVICE EROR TIME OUT	**OFF**	

000000

    J1127

000001

    J1218

777003

BOT	OFF		MTU	FAULT	OFF
J1115	1116		J1203	31228	J1222
J1226					

BOT	OFF		MTU	FAULT	ON
J1132					

RUN AWAY TAPE

J1223	31227

777037

    J1124

777177

    J1129

777201

    J1121

777777

BOT	ON		MTU	FAULT	OFF
J1221	J1222		J1229		

BOT	OFF		MTU	FAULT	ON
J1129					

BOT	ON		MTU	FAULT	ON
J1129					

Change 3 2-290.8

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU ON**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**
IOU FAULT	**ON**	
DEVICE ERROR TIME OUT	**ON**	

074071

    J1215

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU ON**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**
IOU FAULT   **OFF**
DEVICE ERROR TIME OUT   **OFF**

777777

       BOT OFF   MTU FAULT   OFF

       J1128

       BOT ON   MTU FAULT   OFF

       J1228

       BOT OFF   MTU FAULT   ON

       J1225

Change 3   2-290.10

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU ON**	**CPU ON**		
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**		
IOU FAULT	**OFF**			
DEVICE ERROR TIME OUT	**OFF**			

777003

BOT OFF   MTU FAULT   OFF

J1204

BOT ON   MTU FAULT   OFF

J1203

777007

BOT OFF   MTU FAULT   OFF

J1118	J1119	J1129	J1206	J1209
J1216	J1230	J1233		

BOT ON   MTU FAULT   OFF

J1215

BOT OFF   MTU FAULT   ON

J1116	J1117	J1118	J1119	J1121
J1122	J1124	J1125	J1126	J1127
J1128	J1129	J1130	J1131	J1132
J1209	J1211	J1212	J1230	J1231
J1233				

RUN AWAY TAPE

J1207

777017

BOT OFF   MTU FAULT   OFF

J1233

BOT OFF   MTU FAULT   ON

J31132

Change 3   2-290.11

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU ON	CPUON
DIAGNOSE STATUS	IOU OFF	CPU OFF
IOU FAULT	OFF	
DEVICE ERROR TIME OUT	OFF	

777037

BOT OFF	MTU FAULT	OFF		
J1203	J1205			

BOT OFF	MTU FAULT	ON		
J1112	J1118	J1119	J1121	J1122
J1124	J1125	J1126	J1127	J1132
J1133	J1134	J1207		

777117

J1130

777177

BOT OFF	MTU FAULT	OFF		
J1123	J1127	J1132	J1203	J1204
J1205	J1211	J1231		

BOT OFF	MTU FAULT	ON		
J1108	J1109	J1116	J1117	J1118
J1119	J1121	J1122	J1123	J1124
J1125	J1126	J1127	J1128	J1129
J1130	J1131	J1132	J1133	J1134
J1203	J1204	J1205	J1206	J1211
J1212	J1214	J1215	J1229	J1231
J1233				

RUN AWAY TAPE

J1129	J1202

BOT ON	MTU FAULT	ON

J1133

Change 3   2-290.12

PROGRAM LOAD STATUS	IOU ON	CPU ON
DIAGNOSE STATUS	IOU OFF	CPU OFF
IOU FAULT	OFF	
DEVICE ERROR TIME OUT	OFF	

777703

BOT OFF   MTU FAULT   ON

J1126

BOT OFF   MTU FAULT   OFF

J1228

BOT ON   MTU FAULT   OFF

| J1221 | J1222 | J1225 | J1227 | J1228 |
| J1230 | | | | |

BOT OFF   MTU FAULT   ON

J1230

BOT ON   MTU FAULT   ON

J1221

777777

BOT OFF   MTU FAULT   OFF

J1115	J1117	J1119	J1122	J1123
J1125	J1128	J1209	J1212	J1214
J1216	J1218	J1222	J1224	J1226
J1227	J1228	J1229	J1230	J1231
J1232	J1233			

RUN AWAY TAPE

J1116	J1124	J1126	J1127	J1129
J1130	J1131	J1132	J1134	J1202
J1203	J1204	J1205	J1206	J1208
J1210	J1211	J1213	J1215	J1217
J1220	J1221	J1223	J1225	

BOT ON   MTU FAULT   OFF

J1107	J1108	J1109	J1110	J1111
J1112	J1115	J1116	J1117	JI118
J1119	J1121	J1122	J1123	J1124
J1125	J1126	J1128	J1129	J1130
J1131	J1132	J1133	J1202	J1203
J1204	J1205	J1206	J1207	J1208
J1209	J1210	J1211	J1212	J1213
J1215	J1216	J1217	J1218	J1220
J1221	J1222	J1223	J1224	J1225
J1226	J1227	J1228	J1229	J1230

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU ON**	**CPU ON**		
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**		
IOU FAULT	**OFF**			
DEVICE ERROR TIME OUT	**OFF**			

RUN AWAY TAPE

J31127   J1214

BOT OFF   MTU FAULT   ON

J1106	J1107	J1109	J1110	J1111
J1115	J1116	J1117	J1118	J1119
J1121	J1122	J1123	J1124	J1125
J1127	J1128	J1129	J1130	J1131
J1132	J1133	J1134	J1202	J1203
J1204	J1205	J1206	J1207	J1208
J1209	J1210	J1211	J1213	J1214
J1215	J1216	J1217	J1220	J1222
J1223	J1224	J1225	J1226	J1227
J1228	J1229	J1230	J1231	J1232
J1233				

RUN AWAY TAPE

J1126   J1218

BOT ON   MTU FAULT   ON

J1115	J1117	J1118	J1122	J1127
J1129	J1130	J1132	J1206	J1207
J1208	J1209	J1212	J1214	J1215
J1216	J1217	J1218	J1220	J1221
J1223	J1224	J1225	J1229	J1230
J1232	J1233			

RUN AWAY TAPE

J1212   J1218

Change 3   2-290.14

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU ON**	**CPU ON**
DIAGNOSE STATUS	**IOU OFF**	**CPU OFF**
IOU FAULT	**OFF**	
DEVICE ERROR TIME OUT	**ON**	

777777

J1230

Change 3   2-290.15

TABLE 2-17R MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU ON
IOU FAULT	OFF	
DEVICE ERROR TIME OUT	OFF	

000001

    J1209   J1213   J1215   J1231

000044

    J1128

001064

    J1215

702600

    BOT OFF   MTU FAULT   OFF

    J1115   J1116   J1117   J1118   J1119

    BOT OFF   MTU FAULT   ON

    J1116

777770

    J1224

777777

    BOT OFF   MTU FAULT   OFF

J1108	J1109	31115	J1116	J1117
J118	J1119	J1122	J1127	J1202
J1205	J1207	J1209	J1210	J1211
J1213	J1214	J1220	31221	J1224
J1226	J1227	J1228	31229	J1230
J1231	J1233			

    RUN AWAY TAPE

J1124	J1206	J1208	J1215	J1217
J1222	J1223	J1225		

    BOT ON   MTU FAULT   OFF

    J1215

    BOT OFF   MTU FAULT   ON

    J1117   J1214   J1222   J1229

    RUN AWAY TAPE

J1127	J1133	J1202	J1208	J1210
J1211	J1212	J1220	J1221	J1223
J1224	J1225	J1226	J1227	J1228

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU ON**
IOU FAULT	**ON**	
DEVICE ERROR TIME OUT	**OFF**	

777777

BOT OFF	MTU FAULT	OFF		
J1227	J1228	J1229	J1230	J1232

BOT OFF	MTU FAULT	ON
J1227		

Change 3   2-290.17

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU OFF**	**CPU OFF**
DIAGNOSE STATUS	**IOU OFF**	**CPU ON**
IOU FAULT	**ON**	
DEVICE ERROR TIME OUT	**ON**	

777777

BOT OFF   MTU FAULT   OFF

J1207

BOT OFF   MTU FAULT   ON

J1122

Change 3   2-290.18

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	**IOU ON**	**CPU OFF**	
DIAGNOSE STATUS	**IOU OFF**	**CPU ON**	
IOU FAULT	**OFF**		
DEVICE ERROR TIME OUT	**OFF**		

777777

BOT OFF   MTU FAULT   OFF

J1232

BOT ON   MTU FAULT   OFF

J1123   J1129

BOT OFF   MTU FAULT   ON

J1132

BOT ON   MTU FAULT   ON

J1127

Change 3   2-290.19

TABLE 2-17A MTU (W/ADPFI) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU ON**   **CPU ON**
IOU FAULT   **ON**
DEVICE ERROR TIME OUT   **OFF**

101017

BOT OFF   MTU FAULT   OFF

J1116   1 117   J1209   J1214

RUN AWAY TAPE

J1225   J1227

BOT OFF   MTU FAULT   ON

J1119   J1225   J1226

RUN AWAY TAPE

J1223   J1227

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

| ERROR STOP | LHS | CS | RHS |

NOTE

THE DISPLAY CONSOLE FAULT CATALOG CONTAINS THREE (3) SECTIONS:
LEFT HAND SIDE (LHS) CARD RACK, CENTER SECTION (CS) CARD RACK, AND A RIGHT HAND SIDE (RHS) CARD RACK. UTILIZE THE FOLLOWING ERROR STOP NUMBER LOCATION MATRIX TO DETERMINE THE FAULT ISOLATION SEQUENCE.

A. IF AN ERROR STOP IS LISTED IN MORE THAN ONE SECTION A "1" INDICATES TO PERFORM ACTIONS LISTED UNDER THE ERROR STOP IUMBER FOR THAT PORTION OF THE CONSOLE FIRST, IF FAULT IS NOT FOUND, A "2' INDICATES TO PERFORM ACTIONS LISTED UNDER THE SAME ERROR STOP NUME!ER FOR THAT SECTION AND IF THE FAULT IS NOT FOUND A "3' INDICATES TO PER'FORM ACTIONS INDICATED FOR THAT PORTION OF THE CONSOLE.

B. IF AN ERROR STOP IS ONLY LISTED IN ONE SECTICON A "1' INDICATES THE SECTION THAT IT IS LISTED IN.

C.   A DASH "-" INDICATES THAT THE ERROR STOP NUMBER IS NOT LISTED IN THAT SECTION OF THE DISPLAY FAULT CATALOG.

D.   IF ONLY ONE "1' MTS TESTABLE CARD IS LISTED UNDER AN ERROR STOP NUMBER USE THE SUBSTITUTION METHOD TO DETERMINE IF IT IS FAULTY

ERROR STOP	LHS	CS	RHS
020022	-	-	1
200001	1	-	2
200002	1	3	2
280003	1	-	-
200004	1	-	-
200005	1	-	2
200006	1	-	-
200007	1	-	-
200010	1	-	-
200011	1	-	-
200013	1	-	-
200017	1	-	-
200020	1	-	-
200021	1	-	-
200022	1	-	-
200023	1	-	-
200024	1	-	-
200025	1	-	-
200027	1	-	2
200030	1	-	-
200032	1	-	-
200036	1	-	-
200837	1	-	-
200041	1	-	-
200042	1	-	-
200044	1	-	-
200045	1	-	-

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

ERROR STOP	LHS	CS	RHS
200047	1	-	-
200050	1	-	-
200055	1	-	-
200056	1	-	-
200068	1	-	-
200061	1	-	-
200066	1	-	-
200067	1	-	-
200070	1	-	-
200072	1	-	-
200073	1	-	-
200074	1	-	-
200075	1	-	-
200105	1	-	-
200107	1	-	-
200121	1	-	-
200135	1	-	-
200142	1	-	-
200144	1	-	-
200146	1	-	-
200152	1	-	-
200153	1	-	-
200160	1	-	-
200167	1	-	-
200170	1	-	-
200210	1	-	-
200211	1	-	-
200212	1	-	-
200213	1	-	-
200214	1	-	-
200215	1	-	-
200220	1	-	-
200236	1	-	-
200254	1	-	-
200302	1	-	-
200324	1	-	-
200325	1	-	-
200326	1	-	-
200330	1	-	-
200333	1	-	-
200360	1	-	-
200364	1	-	-
200374	1	-	-
200416	1	-	-
200426	1	-	-
200427	1	-	-
200430	1	-	-
200431	1	-	-
200432	1	-	-
200433	1	-	-
200436	1	-	-
200444	1	-	-

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF | |
| DIAGNOSE STATUS | IOU OFF | CPU OFF | |
ERROR STOP	LHS	CS	RHS
200455	1	-	-
200460	1	-	-
200461	1	-	-
200471	1	-	-
200472	1	-	-
200473	1	-	-
200474	1	-	-
200475	1	-	-
200601	1	-	-
200603	1	-	-
200620	1	-	-
200621	1	-	-
200623	1	-	-
200626	1	-	-
200627	1	-	-
200631	1	-	-
200632	1	-	-
200633	1	-	-
200635	1	-	-
200637	1	-	-
200641	1	-	-
200643	1	-	-
200644	1	-	-
200647	1	-	-
200650	1	-	-
200651	1	-	-
200653	1	-	-
200655	1	-	-
200657	1	-	-
200661	1	-	-
200663	1	-	-
200665	1	-	-
200667	1	-	-
200671	1	-	-
200674	1	-	-
200702	1	-	-
200705	1	-	-
200706	1	-	-
200710	1	-	-
200713	1	-	-
200723	1	-	-
200724	1	-	-
200726	1	-	-
200727	1	-	-
200731	1	-	-
200735	1	-	2
200736	1	-	2
200737	1	-	2
200740	1	-	2
200741	1	-	-
200742	1	-	-
200743	1	-	-

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF	
DIAGNOSE STATUS	IOU OFF	CPU OFF	
ERROR STOP	LHS	CS	RHS
200745	2	-	1
200746	2	-	1
200751	1	-	-
200755	2	-	1
200756	2	-	1
200757	2	3	1
200760	-	-	1
200761	1	-	-
201011	-	-	1
201013	2	-	1
201023	2	-	1
201025	2	-	1
201027	2	-	1
201030	-	-	1
201036	-	-	1
201037	-	-	1
201041	-	-	1
201042	-	-	1
201055	-	-	1
201056	-	-	1
201060	-	-	1
201063	-	-	1
201066	-	-	1
201067	-	-	1
201070	-	-	1
201872	-	-	1
201073	-	-	1
201074	-	-	1
201075	-	-	1
201105	-	-	1
201187	-	-	1
201118	-	-	1
201135	-	-	1
201142	-	-	1
201144	-	-	1
201146	-	-	1
201152	-	-	1
201153	-	-	1
201160	-	-	1
201167	-	-	1
201170	-	-	1
201211	-	-	1
201212	-	-	1
201214	-	-	1
201215	-	-	1
201220	-	-	1
201236	-	-	1
201254	-	-	1
201263	-	-	1
201302	-	-	1
201324	-	-	1
201325	-	-	1

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF	
DIAGNOSE STATUS	IOU OFF	CPU OFF	
ERROR STOP	LHS	CS	RHS
201330	-	-	1
201347	-	-	1
201360	-	-	1
201364	-	-	1
201374	-	-	1
201404	-	-	1
201416	-	-	1
201426	2	-	1
201427	2	-	1
201430	-	-	1
201441	-	-	1
201452	-	-	1
201454	-	-	1
201455	-	-	1
201456	-	-	1
201466	-	-	1
201470	-	-	1
201471	-	-	1
201472	-	-	1
201476	-	-	1
201530	-	-	1
201540	-	-	1
201576	-	-	1
201600	-	-	1
201615	-	-	1
201616	-	-	1
201620	-	-	1
201623	-	-	1
201624	-	-	1
201625	-	-	1
201626	-	-	1
201627	-	-	1
201630	-	-	1
201632	-	-	1
201634	-	-	1
201636	-	-	1
201640	-	-	1
201641	-	-	1
201644	-	-	1
201645	-	-	1
201646	-	-	1
201650	-	-	1
201652	-	-	1
201654	-	-	1
201656	-	-	1
201660	-	-	1
201662	-	-	1
201664	-	-	1
201666	-	-	1
201671	-	-	1
201677	-	-	1
201702	-	-	1

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF | |
| DIAGNOSE STATUS | IOU OFF | CPU OFF | |

ERROR STOP	LHS	CS	RHS
200173	-	-	1
201705	-	-	1
281707	-	-	1
201720	-	-	1
201721	-	-	1
201722	-	-	1
201723	-	-	1
201724	-	-	1
201726	-	-	1
201730	-	-	1
201731	-	-	1
201761	-	-	1
201763	-	-	1
202005	-	-	1
202006	2	-	1
202007	-	-	1
202008	2	-	1
202011	-	-	1
202012	2	-	1
202014	-	-	1
202016	2	-	1
202020	-	-	1
202022	-	-	1
202024	-	-	1
202026	2	-	1
202030	-	-	1
202031	-	-	1
202032	2	-	1
202033	-	-	1
202034	-	-	1
202035	-	-	1
202036	-	-	1
202037	-	-	1
202040	-	-	1
282041	1	-	2
202042	2	3	1
202043	3	2	1
202044	3	2	1
202045	-	2	1
202046	-	2	1
202047	-	1	-
202050	-	2	1
202051	-	2	1
202052	-	1	2
202053	-	1	-
202054	-	-	1
202060	-	1	-
202061	2	1	-
202062	-	1	-
202063	-	1	-
202064	-	1	-
202065	2	1	-

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

ERROR STOP	LHS	CS	RHS
202210	1	-	2
202220	1	-	2

NOTE

FOR ERROR STOP NUMBER 202260, VERIFY THAT THE "TIME TO GO" SWITCHES ARE SET AT "8-1/4". IF THEY ARE SET AT "8-1/4", PROCEED WIITH TROUBLESHOOTING CONSOLE LHS AND RHS AS USUAL. IF SWITCHES ARE NOT SET AT "8-1/4", SET THEM TO "0-1/4" AND RERUN CONSOLE FI PROGRAM.

ERROR STOP	LHS	CS	RHS	
282260	2	-	1	(SEE NOTE ABOVE)

NOTE

FOR ERROR STOP NUMBER 202270, VERIFY THAT THE "VAR SCALE" CONTROL IS TURNED FULLY CCW. IF CONTROL IS FULLY CCW, PROCEED WITH TROUBLESHOOTING CONSOLE RHS AS UISUAL. IF NOT FULLY CCTW, TURN "VAR SCALE" CONTROL TO FIJLLY CCW AND RERUN CONSOLE FI PROGRAM.

ERROR STOP	LHS	CS	RHS	
202270	-	-	1	(SEE NOTE ABOVE)

NOTE

FOR ERROR STOP NUMBER 202272, VERIFY THAT THE "VAR SCALE" CONTROL IS TURNED FULLY CCW. IF CONTROL IS FULLY CCW, PROCEED WIITH TROUBLESIHOOTING CONSOLE RHS AND LHS AS USUAL. IF NOT FULLY CCW, TURN "VAR SCALE" CONTROL TO FULLY CCW AND RERUN CONSOLE FI PROGRAM.

ERROR STOP	LHS	CS	RHS	
202272	-	-	1	(SEE NOTE ABOVE)
202320	-	-	1	
202321	-	2	1	
202322	2	-	1	
202323	1	3	2	
202324	2	3	1	
202325	-	2	1	
202330	2	3	1	
202340	-	2	1	
202350	1	-	-	
202351	1	-	-	
282352	1	-	-	

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

ERROR STOP	LHS	CS	RHS
202353	1	-	-
202354	1	-	-
202355	1	-	-
202356	1	-	2
202360	1	-	2
202361	1	-	-
202362	1	-	-
202363	1	-	-
202364	1	-	-
202365	1	-	-
202366	1	-	-
202367	1	-	2
202370	1	-	2
202371	1	-	2
202372	1	-	2
202374	-	-	1
202375	-	2	1
202420	2	-	1
202600	1	-	-
202620	-	1	-
203000	-	-	1
200330	-	-	1
203070	-	-	1
203102	-	-	1
203104	-	-	1
203106	-	-	1
203110	1	-	-
203124	-		1
203127	-	-	1
203131	-	-	1
203132	-	-	1
203200	1	-	-
203260	1	-	-
203261	1	-	-
203262	1	-	-
203263	1	-	-
203264	1	-	-
203265	1	-	-
203266	1	-	-
203267	1	-	-
203270	1	-	-
203271	1	-	-
203272	1	-	-
203273	1	-	-
203274	1	-	-
203275	1	-	-
203276	1	-	-
203277	1	-	-
203300	-	-	1
203301	-	-	1
203302	-	-	1
203303	-	-	1

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF | |
| DIAGNOSE STATUS | IOU OFF | CPU OFF | |

ERROR STOP	LHS	CS	RHS
203304	-	-	1
203305	-	-	1
203306	-	-	1
203307	-	-	1
203377	-	-	1
207530	-	-	1
207531	-	-	1
207532	2	-	1
207533	-	-	1
207570	1	-	-
207571	1	-	-
207572	1	-	-
207573	1	-	-
207576	1	-	-
207601	1	-	-
207602	1	-	-
207603	1	-	-
207604	1	-	-
207605	1	-	-
207607	1	-	-
207622	-	-	1
2076?3	-	-	1
207624	-	-	1
207625	-	-	1
207626	-	-	1
207720	2	-	1
207721	-	-	1
207722	2	-	1
207723	-	-	1
207724	1	-	2
207725	1	-	-
207727	1	-	-
207730	1	-	-
207731	1	-	-
207732	1	-	2
207733	1	-	-
207750	1	-	2
207751	1	-	-
207752	1	-	2
207753	1	-	2
207754	1	-	2
207755	1	-	2
207756	1	-	2
207757	1	-	2
207761	1	-	2
287762	1	-	2
207763	1	-	2
207764	2	-	1
207770	1	2	-
207771	1	-	-
207772	1	-	-
207773	1	3	2

TABLE 2-18. DISPLAY CONSOLE ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF | |
DIAGNOSE STATUS	IOU OFF	CPU OFF	
ERROR STOP	LHS	CS	RHS
236036	2	-	1
702600	1	-	-

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

NOTE
A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND
ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE-OPERATOR IN
THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER
"SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:"

CONNECTOR	TYPE	PART NUMBER
J1125	1K OHM RESISTOR	587118
J1211, J1222	240 OHM RESISTOR	587119
J1302	HIGH CURRENT LAMP DRIVER	10281639
J1303	TYPE 1 CATEGORY SELECT	10281673
THRU		
J1307	TYPE 1 CATEGORY SELECT	10281673
J1308	240 OHM RESISTOR	10283642
J1312	ARITHMETIC LOGIC UNIT CONTROL	10281675
J1313	ARITHMETIC LOGIC	10284731
THRU		
J1316	ARITHMETIC LOGIC	10284731
J1320	BIPOLAR READ/WRITE MEMORY	10281687
THRU		
J1323	BIPOLAR READ/WRITE MEMORY	10281687
J1324	DISPLAY MEMORY NUMBER S	10283635
J1325	FILE ADDRESS CONTROL	10281777
J1326	DISPLAY MEMORY NUMBER 3	10283633
J1329	DISPLAY MEMORY NUMBER 1	10283631
J1330	DISPLAY MEMORY NUMBER 4	10283634
J1333	DISPLAY MEMORY NUMBER 2	10283700
J1334	SENSE SWITCH LOGIC	10281798
J1335	BIPOLAR READ/WRITE MEMORY	10216087

200001   J1104 - J1105 - J0116 - J1107 - J1108 - J1109 - J1110 - J1111 - J1112 - J1115
         - J1116 - J1117 - J1118 - J1119 - J1120   J1122 - J1123 - J1124   J1126 - J1127
         - J1128 - J1129 - J1130 - J1131 - J1132   J1134 - J1135   J1138 - J1139 - J1140
         - J1141 - J1142   J1204 - J1285 - J1208   J1209 - J1210   J1213   J1223 - J1224
           J1226 - J1227 - J1228 - J1229 - J1230   J1232 - J1233 - J1234 - J1235   J1328
           J1331   J1336   J1338   J1341 - J1342

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1125   J1211   J1325

28800002   J1105 - J1106 - J1107 - J1108 - J1109 - J1110 - J1111 - J1112   J1116 - J1117
           J1119 - J1120   J1123   J1126   J1128 - J1129 - J1130   J1132 - J1133 - 1134
           J1205 - J1206   J1209 - J1212 - J1213 - J1214 - J1215 - J1216 - J1217   J1219
         - J1220 - J1221   J1223 - J1224 - J1225 - J1226 - J1227 - J1228 - J1229 - J1230
           J1233 - J1234   J1311   J1318   J1327 - J1328   J1331   J1341

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

	J1312	-	J1313	-	J1314	-	J1315	-	J1316	J1325					
200003	J1104		J1109		J1112		J1115		J1117	- J1118	- J1119	- J1120	J1122	J31126
	J1128		J1132		J1209		J1229		J1339					
200004	J1129		J1132	-	J1133		J1135		J1227	J1339				
200005	J1104		J1115		J1117	-	J1118	-	J1119	J1122	- J1123	- J1124	J1126	J1130
	- J1131	-	J1132	-	J1133	-	J1134	-	J1135	J1137	J1205	- J1206	- J1207	- J1208
	J1210		J1214		J1221		J1223	-	J1224	- J1225	J1227	J1229	- J1230	- J1231
	- J1232	-	J1233	-	J1234	-	J1235		J1328	J1331	J1336	J1338	- J1339	- J1349
	- J1341	-	J1342											

SUBSTITUTE THE FOLLOIIING CARD ASSEI-BLIES:

	J1211		J1315	-	J1316		J1334	-	J1335
200006	J1205								
200007	J1123	-	J31124		J1130	-	J1131		J1142	J1224	J1229	J1339	-	J1339
200010	J1104		J1107		J1109		J1123		J1126	J1205	J1207	J1212	J1216	J1221
	J1226		J1311		J1327									

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

	J1125		J1312	-	J1313	-	J1314	-	J1315	-	J1316
200011	J1111		J1123		J1225				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

	J1312	-	J1313	-	J1314		J1316	J1325
200013	J31123		J1205	-	J1206	-	J1207	J1213	- J1214	- J1215	J1220	- J1221	J1229
	J1311		J1310									

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

	J1320	-	J1321	-	J1322	-	J1323	-	J1324	-	J1325	J1334
200017	J1207		J1214		J1226	-	J1227	-	J1220	-	J1229	J1311	J1327
200020	J1231	-	J1232		J1331		J1336		

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

	J1321	J1335
208021	J1226	J1230	J1336	J1339

SUBSTITUTE THE FOLLOIJING CARD ASSEMBLIES:

	J1335
200022	J1122	J1132	- J1133	J1135	J1215	J1221	J1224	J1226	J1229	J1233
	- J1234	J1331	J1336	J1330	- J1339	- J1340				

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1325

200023   J1325

200024   J1104   J1108   J1118 - J1119   J1123 - J1124   J1132 - J1133   J1207 - J1208
    J1210   J1214   J1224   J1226   J1230 - J1231 - J1232   J1328   J1331   J1336
    J1338 - J1339 - J1340 - J1341

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1322   J1335

200025   J1226   J1231 - J1232   J1336

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1320   J1335

208027   J1214 - J1215   J1219 - J1220 - J1221   J1224   J1226   J1229   J1234   J1338
    J1340

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1325   J1334

200030   J1132   J1229

200032   J1104   J1131 - J1132   J1206   J1213   J1224   J1234   J1328   J1338 - J1339

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1325

200036   J1104   J1131   J1207 - J1208   J1210   J1212   J1214 - J1215 - J1216 - J1217
    J1226 - J1227 - J1228   J1317 - J1318 - J1319   J1332   J1339

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1312 - J1313 - J1314 - J1315 - J1316   J1320 - J1321 - J1322 - J1323 - J1324
- J1325   J1329

200037   J1104   J1109   J1120   J1122 - J1123   J1126   J1131 - J1132   J1287 - J1208
    J1214   J1216 - J1217   J1219 - J1220 - J1221   J1317 - J1318 - J1319   J1330

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1320 - J1321 - J1322 - J1323 - J1324 - J1325

200041   J1206   J1226   J1228   J1317 - J1318 - J1319

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1322   J1325

200042   J1322

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1325

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

| 200844 | J1111 | J1206 | J1228 | J1317 | - | J1318 | - | J1319 | J1338 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1321   J1325   -   J1326   J1329   -   J1330

| 208045 | J1321 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1325

| 200847 | J1317 | - | J1310 | - | J1319 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1320   J1325

| 200050 | J1320 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1325

| 200055 | J1317 | - | J1318 | - | J1319 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1324   -   J1325

| 200056 | J1207 | J1220 | J1226 |

| 200060 | J1206 | J1214 | - | J1215 | - | J1216 | J1219 | - | J1220 | J1226 | - | J1227 | - | J1228 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1325

| 200061 | J1214 | J1216 | J1219 | - | J1220 | J1227 | - | J3228 | J1317 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1324   -   J1325

| 200866 | J1123 | J1207 | - | J1208 | J1213 | J1216 | - | J1217 | J1227 | - | J1228 | J1311 | J1317 |
| | J1327 |

SUBSTITUTE TNE FOLLOWING CARD ASSEMBLIES:

J1125   J1312   -   J1313   -   J1314   -   J1315   -   J1316

| 200067 | J1217 | J1228 | - | J1229 | J1311 |

| 280078 | J1213 | - | J1214 | - | J1215 | - | J1216 | J1219 | - | J1220 | J1226 | J1228 |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1313

| 200072 | J1215 | - | J1216 | J1226 | - | J1227 | J1311 |

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP								CONNECTORS

200073	J1228							
200874	J1207	J1212 - J1213 -	J1214 -	J1215 -	J1216 -	J1217	J1221	J1224

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1313

200075	J1312

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1313 - J1314 - J1315 - J1316

200185	J1287			
200107	J1112	J1214	J1216	J1234
200121	J1313			
200135	J1216 - J1217	J1219 - J1220	J1228	J1311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J31312 - J1313 - J1314 - J1315 - J1316

208142	J1207	J1212

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1334

208144	J1212 - J1213	J1217	J1311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1334

200146	J1217	J1228		
200152	J1125	J1208	J1227	J1311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1312 - J1313 - J1314 - J1315 - J1316

208153	J1229			
200168	J1220	J1228		
200167	J1212	J1215	J1221	J1227	J1311
200170	J1227	J1327		
200210	J1221			
200211	J1212			

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

200212   J1313

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1314

200213   J1315

280214   J1316

288215   J1312

200220   J1212   J1215 - J1216   J1220   J1227

200236   J1227   J1311

200254   J1212   J1221   J1226

288302   J1227

200324   J1125   J1213   J1327

200325   J1313

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1314

208326   J1315

200330   J1312

200333   J1216   J1221   J1228

200360   J1208

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1316

200364   J1214

200374   J1227

200416   J1286   J1212   J1214   J1217   J1223   J1225 - J1226   J1318

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1312 - J1313 - J1314 - J1315

200426   J1123   J1212 - J1213 - J1214   J1216   J1226 - J1227 - J1228   J1311   J1317

J1327 - J1329   J1338   J1341

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1313 - J1314 - J1315 - J1316

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

200427   J1123   J1226   J1328   J1331   -   J1332   J1338   -   J1339   -   J1340

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1326   J1329   -   J1330   J1333

200430   J31123   J1327   -   J1328

         SUBSTITUTE THE FOLLOIIMNG CARD ASSEMBLIES:

         J1329

200431   J1216   J1219   -   J1220   J1228   J1327   J1332

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1313   -   J1314

200432   J1116   J1330   J1332

208433   J1326   -   J1327

200436   J1326

280444   J1206

200455   J1214   J1216   J1227   -   J1228

200460   J1286   J1212   J1214   J1217   J1221   J1223   J1226   -   J1227   J1317   -   J1318

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1211   J1325

2800461   J1214   -   J1215   -   J1216   J1227

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1312   -   J1313   -   J1314   -   J1315   -   J1316

200471   J1217

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1312   -   J1313   -   J1314   -   J1315   -   J1316

200472   J1315

288473   J1316

200474   J1312

200475   J1313

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1314

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

200601   J1217

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

       J1312   -   J1313   -   J1314   -   J1315   -   J1316

200603   J1217   J1224

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

       J1312

200620   J1217   J1224

200621   J1314

200623   J1206   J1214 - J1215 - 216   J1220   J1223   J1227   J1318

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

       J1316   J1325

200626   J1212   J1214   J1228   J1318

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

       J1325

208627   J1212 - J1213 - J1214   J1216 - J1217   J1224   J1317

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

       J1312   J1325

200631   J1214   J1228

200632   J1212   J1227   J1311   J1327

200633   J1213   J1217   J1221

200635   J1216

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

       J1312 - J1313 - J1314 - J1315 - J1316

200637   J1212

200641   J1206   J1214   J1225   J1311

208643   J1214

200644   J1213 - J1214   J1221   J1228   J1311

200647   J1212 - J1213 - J1214   J1219 - J1220   J1228   J1317

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

       J1334

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

288650   J1135   J1206   J1212   J1214 - J1215   J1220   J1228

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

        J1334

200651   J1334

200653   J1334

200655   J1334

200657   J1334

200661   J1334

200663   J1334

200665   J1334

200667   J1334

200671   J1334

208674   J1227

280702   J1318

280705   J1217

200706   J1227

280710   J1213 - J1214 - J1215 - J1216   J1221

200713   J1207 - J1208   J1216 - J1217   J1219 - J1220   J1224   J1226 - J1227   J1230

208723   J1208   J1224   J1227   J1230

200724   J1318

200726   J1224   J1230   J1332

208727   J1208   J1226

200731   J1207 - J1208   J1214 - J1215 - J1216 - J1217   J1221   J1224   J1226 - J1227

        J1230   J1332

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

        J1312

200735   J1313

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1314

200736   J1123

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1315

200737   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1316

208740   J1312

208741   J1123

200742   J1214

200743   J1104   J1108 - J31109   J1135   J1206   J1214 - J1215   J1217   J1219 - J1220

    J1228

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1313   J1316

208745   J1104   J1107 - J1108 - J1109   J1115   J1132 - J1133 - J1134 - J1135   J1206

    J1213 - J1214   J1217   J1219   J1230   J1233

SUBSTITUTE THE FOLLOL.IING CARD ASSEMBLIES:

    J1312 - J1313 - J1314 - J1315 - J1316

200746   J1132 - J3133   J1220   J1233

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1334

200751   J1134

280755   J3109   J1214 - J1215   J1233

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1312 - J1313 - J1314

200756   J1315

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1316

200757   J1104   J1107 - J1108 - J1109   J1230

200761   J1221   J1341

201013   J1205

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

STOP											
201023	J1213										
201025	J1104	J110S									
201027	J1111	J1116	J1212								
201426	J1116										
201427	J1116										
202006	J1110	J1120	J1126								
202010	J1205										
202012	J1205										
202016	J1205										
202026	J1205										
202032	J1134	J1210									
202041	J1107	J1111									
202842	J1186	J1213	J1230								
282043	J1212 -	J1213	J1230								
202044	J1230										
202061	J1230										
202065	J1105 -	J1106	J1213	J1230							

202210   J1110   J1112   J1116 - J1117 - J1118 - J1119 - J1120   J1124   J1127 - J1128
     -   J1129   J1206   J1208   J1210   J1212 - J1213 - J1214 - J1215 - J1216 - J1217
         J1219 - J1220   J1228   J1233 - J1234   J1331   J1338   J1341

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1211   J1312 - J1313 - J1314 - J1315 - J1316   J1334

202220   J1116   J1206 - J1207   J1210   J1213 - J1214 - J1215 - J1216   J1221   J1225
         J1234 - J1235   J1332   J1341

202260   J1208 - J1209   J1212   J1215

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1211   J1310   J1312

202322   J1132

202323   J1104   J1115   J1119 - J1120   J1132   J1138   J1206

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

202324   J1127

282330   J1184 - J1185 - J1186 - J1107 - J1188 - J1109   J1205   J1213   J1238

202350   J1134   J1204   J1207

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1305

202351   J1116   J1134   J1204   J1207

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1305

202352   J31134   J1204 - J1205   J1207   J1231

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1385

202353   J1134   J1204   J1207

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1306

202354   J1134   J1204   J1207

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1306

202355   J1134   J1204   J1287

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1306

202356   J1134   J1204   J1207

202360   J1134   J1204   J1207   J1336

202361   J1134   J1204   J1207

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1382

202362   J111   J1116   J1134   J1204   J1207

202363   J1134   J1204   J1287

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1382

202364   J1134   J1204   J1207

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1303

282365	J1116	J1134	J1204	J1207

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1303

202366	J1134	J1204	J1207

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1383

202367	J1134	J1204	J1207

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1304

202370	J1134	J1204	J1287

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1304

202371	J1134	J1204	J1207	J1216	J1336

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1304

202372	J1116	J1119	J1122	J1124	J31127 -	J1128	J1204	J1207	J1210	J1213
	- J1214	- J1215	- J1216	- J1217	J1219 -	J1220	J1234	J1336	J1341	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1211	J1302 -	J1303 -	J1304 -	J1305 -	J1306	J1313 -	J1314 -	J1315 -	J1316

202420	J1204	J1207	J1210	J1336	J1339
202600	J1231	J1234			
203110	J1208				
203200	J1209	J1212			
203260	J1216				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1385

203261	J1305
203262	J1305

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS IOU OFF CPU OFF
DIAGNOSE STATUS   IOU OFF CPU OFF

STOP   **CONNECTORS**

STOP	CONNECTORS
203263	J1305
203264	J1305
203265	J1305
203266	J1305
203267	J1305
203270	J1216 - J1217

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

   J1306

STOP	CONNECTORS
203271	J1306
203272	J1306
203273	J1306
203274	J1306
203275	J1306
203276	J1306
203277	J1306
207532	J1306 J1133
207570	J1232

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

   J1313 - J1314

207571	J1232

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

   J1315

207572	J1232

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

   J1316

207573	J1231

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

   J1312

207576	J1221

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

207601   J1122   J1232

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1313   -   J1314   J1335

207602   J1122   -   J31123   J1232

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1315   -   J1316   J1335

207603   J1122   J1232

    SUBSTITUTE THE FOLLOLJING CARD ASSEMBLIES:

    J1316   J1335

207604   J1122   J1224   J1231   -   J1232

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1312   J1335

207685   J31122   -   J1123

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1312   -   J1313   -   J1314

207607   J1116   J1216   J1221   J1224   J1338

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1335

207720   J1108   -   J1109   J1212   J1233

207722   J31104   J1108   -   J1109

207724   J1105   -   J1106   J1116   J1118   J1132   J1206   J1226   -   J1227   J1230   J1336

    J1338   -   J1339

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1315   J1323   J1325   J1334   -   J1335

287725   J1230

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1315

207727   J1313

207730   J1207   J1226   J1232

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

    J1312   -   J1313   -   J1314   -   J1315   J1334

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

207731   J1207   J1212   -   J1213   J1215   -   J1216   -   J1217   J1219   -   J1220   J1226   J1232

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1312   J1315   -   J1316   J1334

207732   J1184   J1130   J1132   -   J1133   -   J1134   J1206   -   J1207   J1213   -   J1214   -   J1215
-    J1216   -   J1217   J1220   -   J1221   J1226   J1232   J1338

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1312   J1315   -   J1316   J1334

287733   J1207   J1212   J1214   J1216   J1226   J1228   J1231

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1312   -   J1313

207750   J1123

207751   J1315

207752   J1311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1313   -   J1314

207753   J1312

207754   J1123   J1227   J1311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1312   -   J1313   -   J1314   -   J1315   -   J1316

207755   J1123   J1311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1315   -   J1316

207756   J1311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1313   -   J1314

207757   J1311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1312

207761   J1208

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

J1312

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

207762   J1307

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

        J1313 - J1314

207763   J1307   J1311

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

        J1315

207764   J1307   J1311

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

        J1316

207770   J1104 - J1105 - J1186 - J1107 - J118B - J1109 - J1110 - J111 - J1112 J1115
       - J1116 - J1117 - J1118 - J1119 - J1120 J4122 - J1123 - J1124 J1126 - J1127
         J1129 - J1130 - J1131 - J1132 - J1133 - J1134 - J1135 J1137 - J1138 - J1139
       - J3114 - J1141 - J1142 J1204 - J1205 - J1206 - J1207 - J1208 - J1209 - J1210
         J1213 - J1214 J1216 - J1217 J1219 - J1228 - J1221 J1223 - J1224 - J1225
       - J1226 - J1227 - J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235
         J1317 - J1318 - J1319 J1332 J1336 J1338 J1340 - J1341 - J1342

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

        J1125   J1211   J1307

207771   J1104 J1107 J1109 J1111 J1115 - J1116 - J1117 - J1118 - J1119 - J1120
         J1122 - J1123 - J1124 J1126 J1128 - J1129 - J1130 - J31131 - J1132 - J1133
       - J1134 - J1135 J1138 - J31139 - J31140 - J1141 J1205 - J1206 J1213 J1215
         J1223 - J1224 J1228 J1233 J1235 J1317 - J1318 - J1319 J1327 J1332
         J1336 J1338 - J1339 - J1348 - J1341 - J1342

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

        J1125   J1307

207772   J3105 - J1106 J1108 - J1109 - J1110 J1115 - J1116 - J1117 - J1118 - J1119
       - J1120 J1123 J1127 - J1128 - J1129 - J1130 - J1131 J1135 J1139 J1205
       - J1206 J1208 - J1209 J1212 - J1213 J1216 - J1217 J1224 - J1225 - J1226
       - J1227 - J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 J1332
         J1336 J1342

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

        J1307

207773   J1104 - J1105 - J1106 - J1107 - J1108 - J1109 - J1110 J1112 J1116 - J1117
       - J1118 - J1119 - J1120 J1122 - JI1123 J1126 - J1127 J1130 - J1131 - J1132
       - J1133 - J1134 - J1135 J1206 J1209 J1213 - J1214 - J1215 - J1216 - J1217
         J1219 - J1220 - J1221 J1223 - J1224 - J1225 - J1226 - J1227 J1229 - J1230
       - J1231 J1233 - J1234 J1311 J1319 J1332 J1336 J1338 - J1339 - J1340
       - J1341 - J1342

TABLE 2-19. DISPLAY CONSOLE LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

     J31125   J1307   J1313   -   J1314   J1316   J1325   J1335

236036   J1205

782G00   J1220   J1228   -   J1229   J1328   J1336

SUBSTITUTE THE FOLLOWIING CARD ASSEMBLIES:

     J1329

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TABLE 2-20. DISPLAY CONSOLE CS FAULT LOCATION

PROGRAM LOAD STATUS　　　IOU OFF　　　CPU OFF
DIAGNOSE STATUS　　　　　　IOU OFF　　　CPU OFF

STOP　　　　　　　　　　　　　　　　　　　　　　　　　CONNECTORS

NOTE
A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER 'SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:"

CONNECTOR	TYPE	PART NUMBER
J1101	240 OHM RESISTOR	18283642
J1182	AC COUPLED I/O	18283630
THRU		
J1187	AC COUPLED I/O	18283630
J1189	FORCE STICK DRIVER	MIS19600
J1118	TABULAR P05 GENERATOR	18283640
J1112	LINE GENERATOR CLK CONTROL	18282364
J1113	LINE GENERATOR RATE MULTIPLEXER	18281688
J1114,J1115	LINE GENERATOR UP/DOWN COUNTER	10284725
J1116,J1117	DIGILOG LINE GENERATOR	10281691
J1119,J1121	SUMMATION AMPLIFIER	10281685
J1123	LINEARITY CORRECTOR	18281692
J1124	DIGILOG CHARACTER GENERATOR	18281963
J1125	CHARACTER GENERATOR CONTROL	18281686
J31126	MEMORY A CHARACTER GENERATOR	10284661
J1127	MEMORY B CHARACTER GENERATOR	10283641
J1129	VIDEO MIXER	10281679
J1132	VIDEO AMPLIFIER	18281684

288882　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　　J1114 - J1115　　　　J31123　　　　J1126
2800757　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　　J1114 - J1115

202842　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　　J1118　　　　　　　　J1114　　　　J1116

202043　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　　J1181　　　　　　　　J1118　　　　J1115　　J1117
282844　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　　J1181　　　　　　　　J1110　　　　J1114 - J1115

202045　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　　　　J1181　　　　　　　　Jll18　　　　J1114

202046　　　SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

TABLE 2-20. DISPLAY CONSOLE CS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

        J1101   J1110   J1115

202047   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1110   J1114

202050   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1110   J1115

202051   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1101   J1110

202052   SUBSTITUTE THE FOLLOWING CARD ASSEM3LIES:
        J1110   J1114   -   J1115

202053   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1110   J1115

202060   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1115   J1117   J1121   J1123

202061   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1119   J1123   -   J1124

202062   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1117   J1121   J1123   -   J1124

2020063   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1116   J1119   J1123

202064   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1110   J1115   J1117   J1121   J1123

202065   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1110   J1114   J1116   J1119   J1123

202321   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1109

202323   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1109

202324   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1109

202325   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1109

202330   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1101   J1110   J1114   -   J1115   J1125   -   J1126   -   J1127

202348   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J3111   J1114   -   J1115   J1125   -   J1126

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TABLE 2-20. DISPLAY CONSOLE CS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

202375   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1101   J1123   J1129
202620   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1110
207770   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1101
207773   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1101   J1110

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TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

NOTE
A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:"

CONNECTOR	TYPE	PART NUMBER
J1117	1K OHM RESISTOR	587118
J1131,J1231	240 OHM RESISTOR	587119
J1302,J1304	RADAR MIXER	10281380
JX1385	VIDEO COMPRESSOR MEMORY	10281681
THRU		
J1310	VIDEO COMPRESSOR MEMORY	10281681
J1311,J1312	8K READ/WRITE MEMORY	10282817
J1313	SENSE SWITCH LOGIC	10281798
J1315	DISPLAY MEMORY NUMBER 6	10283637
J1316	DISPLAY MEMORY NUMBER 7	10283636
J1317	ARITHMETIC LOGIC UNIT CONTROL	10281675
J1318	FILE ADDRESS CONTROL	10281777
J1319	ARITHMETIC LOGIC	10284731
THRU		
J1322	ARITHMETIC LOGIC	10284731
J1323	240 OHM RESISTOR	10283642
J1324	QUAD 2- INPUT LAMP DRIVER	10283629

200001   J1118 - J1119 - J1128   J1209 - J1210

200002   J1222   J1230   J1314

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1318 - J1319 - J1328 - J1321
200005   J1227

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1131

200027   J1212   J1225   J1229

200735   J1119

200736   J1119

200737   J1120

200740   J1118

TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

260745   J1102 - J1103   J1106   J1109 - J1110 - J1111   J1114 - J1115 - J1116   J3118
       - J1119 - J1120 - J1121 - J31122 - J1123   J1125 - J1126   J1128 - J1129 - J1130
       J1134   J1209 - J1210 - J1211 - J1212 - J1213 - J1214 - J1215 - J1216 - J1217
       - J1218 - J1219 - J1220   J1222   J1224 - J1225 - J1226 - J1227 - J1228 - J1229
       - J1230   J1232 - J1233 - J1234   J1314   J1324

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1117   J1131   J1231   J1318 - J1319 - J1320 - J1321   J1323

200746   J1115   J1111 - J1119   J1121 - 31122 - J123   J1125 - J1126 - J1127 - J1128
       J1132   J1134   J1209 - J1210 - J1211 - J1212 - J1213 - J1214 - J1215 - J1216
       J1219 - J1220   J1222   J1224 - J1225 - J1226 - J1227   J1229 - J1230   J1232
       J1234   J1314

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1131

200755   J1111   J1118 - J1119 - J1120 - J11121   J1132   J1134   J1209   J1212 - J1213
       - J1214   J1216   J1218 - J1219 - J1220   J1222   J1226 - J1227 - J1228 - J1229
       - J1230   J1232

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1131   J1231   J1320 - J1321

200756   J1119 - J1120   J1209
       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1318 - J1319

200757   J1102 - J113   J1124   J1127 - J1128 - J1129 - J1130   J1132   J1134   J1209
       - J1210 - J1211   J1216 - J1217 - J1218 - J1219 - J1220   J1222 - J1223 - J1224
       - J1225 - J1226 - J1227 - J1228 - J1229 - J1230   J1233 - J1234   J1314

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1131   J1318 - J1319 - J1320 - J1321

208760   J103   J1129 - J1130   J1209 - J1210 - J1211   J1214 - J1215 - J1216 - J1217
       J1220   J1224 - J1225 - J1226 - J1227 - J1228 - J1229   J1233   J1314

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1318 - J1319 - J1320 - J1321

201011   J1118 - J1119   J1121   J1127 - J1128   J1133   J1209   J1214 - J1215 - J1216
       J1220   J1225   J1314
       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1131   J1318 - J1319 - J1328 - J1321

201013   J1111   J1128   J1225   J1227 - 1228   J1233 - J1234   J1314

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1328 - J1329 - J1330

TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

281823   J1109 - J1118 - J1111   J1114 - J1115   J1118 - J1119 - J1120 - J1121 - J1122
- J1123   J1125   J1126   J1211   J1214 - J1215 - J1216   J1219 - J1220   J1223
- J1224 - J1225   J1227   J1229   J1232 - J1233   J1314   J1327

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1131   J1231   J1313   J1317

201025   J1182   J1212   J1220   J1228 - J1229   J1123   J31314

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
J1313

201027   J1120 - J1121   J1212 - J1213 - J1214 - J1215 - J1216   J1219 - J1228   J1225
J1229

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1319 - J1320 - J1321

201030   J1102   J1127   J31211 - J1212   J1219 - J1220   J1229   J1233

201036   J1130   J1289 - J1210   J1213 - J1214 - J1215   J1226   J1228   J1230   J1314
J1327

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1317 - J1310 - J1319 - J1320 - J1321   J1328 - J1329 - J1330

201037   J1127   J1130   J1209 - J1210   J1219 - J1220   J1223   J1225 - J1226 - J1227
- J1228 - J1229 - J1230   J1234   J1314
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1328 - J1329 - J1330

201841   J1327

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1317   J1330

281842   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1338

201055   J1327

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1317   J1328

201056   J1211   J1216   J1224 - J1225   J1228
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

281868   J1129   J1213 - J1214 - J1215   J1223 - J1224 - J1225   J1229

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TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

201063   J1118   J1211   J1214   J1225   J1227   J1233

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1117   J3118 - J1319 - J1320 - J1321

201066   J1118   J1214   J1220   J1223   J1229 - J1230 J1233   J1314
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J11i17   J131 - J1319 - J1320 - J1321

201067   J1214
201079   J1214   J1220   J1226 - J1227 - J1228 - J1229 - J12380

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1318 - J1319 - J1320 - J1321

201072   J11215 - J1216   J1223   J1225 - J1226   J1234

201073   J1111   J1214   J1216   J1234

201074   J1108 - J1110 - J1111   J1115   J1119 - J1120   J1126 - J1127 - J1128 - J1129
    - J1130   J1211   J1215   J1217   J1224 - J1225 - J1226 - J1227 - J1228 - J1229
      J1233 - J1234

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1117   J1131   J1318 - J1319 - J1320 - J1321

201075   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1318 - J1319 - J1320 - J1321

201105   J1211
201107   J1128   J1218   J1227
201110   J1220
201135   J1214   J1223 - J1224 - J1225 - J1226 - J1227   J1230
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1318 - J1719 - J1320 - J1321

201142   J1211   J1225 - J1226
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1313

201144   J1315   J1118 - J1119   J1121   J1124 - J1125 - J1126   J1212 - J1213   J1216
    - J1217 - J1218   J1223   J1225 - J1226 - J1227   J1233

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

2-325

TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

	J31131	J1313			
201146	J1214	J1227			
20152	J1118	J1215	J1226		

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1117   J1318   -   J1319   -   J1320   -   J1321
201153   J1228

201160   J1214   J1220

201167   J1110   J1215   J1223   J1226   J1234

201170   J1118   J1215   J1225   J1233

201211   J1226

201212   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1320
201214   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1319
201215   SUBSTITUTE THE FOLLOWING CORD ASSEMBLIES:
      J1321
201220   J1127 - J1128   J1215   J1223 - J1224 - J1225 - J1226 - J1227 - J1228   J1234
201236   J1215
201254   J1120

201263   J1223   J1234
201382   J1215

201324   J1118   J1225   J1233

2001325   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1320
201330   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1321
201347   J1227

201360 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1318 - J1319
201364   J1227

TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

201374   J1215

201404   J1227

201416   J1111   J1130   J1216   J1228   J1223   J1227   J1238

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1320   -   J1321

201426   J1118   J1127   J1210   -   J1211   J1213   -   J1214   -   J1215   -   J1216   J1225   -   J1226
    -     J1227   J1229   J1233   J1314

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1318   -   J1319   -   J1320

201427   J1289   -   J1210   J1216   J1224   J1229   J1314

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1315   -   J1316

201430   J1210   J1314
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1316
201441   J1223

201452   J1213   -   J1214   -   J1215   J1225   J1227   J1229

201454   J1118   J1214

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1328

201455   J1182   J111   J1114   J1127   J1215   J1223   J1225   -   J1226   -   J1227   J1238
    J1233

    SUBSTITUTE THE FOLLO1JING CARD ASSEMBLIES:
      J1231

201456   J1127   J1215   J1227   -   J1228   -   J1229   J1233   -   J1234

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1318   -   J1319   -   J1328   -   J1321

201466   J1225   -   J1226   -   J1227   J1233
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1310   -   J1319   -   J1320   -   J1321

201470   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

	J1310	-	J1319										
201471	J1225	-	J1226										

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1321

281472	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
	J1320

201476	J1220

201530	J1225	-	J1226
201540	J1225		
201576	J1226	-	J1227	-	J1228

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1318   -   J1319   -   J1320   -   J1321

201600	J1225	-	J1226	J1229

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1321

201615	J1227	J1229

201616	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
	J1328

201620	J1111	J1127	J1129	-	J1130	J1214	-	J1215	J1223	-	J1224	J1226	J1229

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1310   -   J1319

201623	J1111	J1127	J1234

201624	J1127	J1225	J1227	J1229	J1233	-	J1234

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1321

201625	J1118
281626	J1127	J1214	J1228
201627	J1118	J1215	J1226
201630	J1223	J1225	J1227	J1233
201632	J1226

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TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1319   -   J1320   -   J1321

201634	J1226						
201636	J1127	J1223					
201640	J1127						
201641	J1127	J1214	J1223	J1233			
201644	J1103	J1127	J1214	J1225 - J1226	J1228	J1233 - J1234	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

201645	J1127	J1214	J1225	J1220	J1234

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

201646   J1324

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

201650   J1106   J1109   J1324

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

201652   J1226   J1324

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313   J1323

201654   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

201656   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

201660   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

201662   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

201664   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
.   J1313

TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

201666   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1313
201671   J1215

201677   J1111   J1130

201702   J1227

201703   J1215

201705   J1127   J1223   J1225 - J1226   J1228   J1233 - J1234

201707   J1111   J1130

201720   J1234

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1320
201721   J1234   J1314

201722   J1234
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1318 - J1319
201723   J1230   J1223

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1321

201724   J1214   J1314

201726   J1127   J1225   J1230   J1314

    SUBSTITUTE THE FOLLOWt1ING CARD ASSEMBLIES:
    J1310 - J1319 - J1320 - J1321
201738   J1230   J1234
    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1320 - J1321

201731   J1234

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1318 - J1319

281761   J1223   J1225 - J1226

201763   J1214   J1228   J1234

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TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
202004    J1312
202005    J1108      J1118      J1127      J1302

202006    J1108      J1118      J1127      J1314

202007    J1108      J1118      J1127
202010    J1102      J1108      J1116      J1213      J1302

202011    J110S      J1304

202012    J1213      J1302
202014    J1213      J1382

202016    J1107      J1213      J1302

202020    J1213      J1384

020022    J1304
202022    J1213
202024    J1213      J1304

202026    J1102      J1213      J1304

282030    J1102      J1107  -  J1108  -  J1109      J1114      J1116      J1302

202031    J1108      J1114      J1116      J1304
202032    J1102  -  J1103      J1105  -  J1106  -  J1107      J1109  -  J1110  -  J1111  -  J1112  -  J1113
          J1116      J1125      J1213      J1216
202033    J1102  -  J1103  -  J1104  -  J1105  -  J1106  -  J1107      J1109  -  J1118      J1112  -  J1113
      -  J1114  -  J1115  -  J1116      J1118      J1212
          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1308  -  J1309  -  J1310
202034    J1106  -  J1107      J1112  -  J1113      J1115      J1118

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1308  -  J1309

202035    J1107      J1112  -  J1113      J1115      J1118      J1125

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1117      J1305      J1308
202036    J1102  -  J1103  -  J1104  -  J1105  -  J1106  -  J1107  -  J1108  -  J1109  -  J1110      J1114
          J1118
```

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TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1117   J1385 - J1386 - J1307

202037   JJ184 - J1105 - J1186   J1108   J1118

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1385 - J1386

202040   J1184 - J1105 - J1106   J1108   J1118

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1385

202041   J1214

202042   J1124   J1223   J1226   J1228 - J1229 - J1238   J1314   J1324

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1323

202043   31119   J1124   J1210   J1220 - J1229   J1314   J1324
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1323

202044   J1119   J!1124   J1210   J1223   J1228 - J1229 - J1230   J1232   J1234   J1314
    J1324
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1318 - J1319   J1323

202045   J1124   J1223   J1226   J1228 - J1229   J1314   J1324
      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1323

202046   J1119   J1218   J1220   J1228   J1324

202050   J1215   J1208   J1314   J1324

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1323
202051   J1124   J1218   J1324

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1323

202052   J1228

202054   J1124   J1213   J1224   J1228 - J1229   J1314   J1324

TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
202210   J1114      J1118  -  J1119  -  J1120  -  J1121  -  J1122  -  J1123  -  J1124  -  J1125  -  J1126
       -  J1127  -  J1128  -  J1129  -  J1130     J1132  -  J1133  -  J1134     J1222  -  J1223     J1234

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1131

202036   J1302

202220   J1114      J1127  -  J1128  -  J1129     J1132  -  J1133  -  J1134     J1238     J1234

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1131

202260   J1118      J1120     J1124     J1126     J1128     J1138     J1132  -  J1133     J1224

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1131

202270   J1121      J1128

202272   J1118      J1120  -  J1121     J1124     J1128

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1117

202328   J11102     J1128     J1125  -  J1126     J1129

202321   J1101      J1107     J1116     J1128     J1125     J1127  -  J1128  -  J1129     J1224     J1228

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1117      J1131

202322   J1101      J1108  -  J1109     J1120     J1125     J1127     J1129

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1117      J1131

202323   J1102      J1116     J1120     J1129

202324   J1102      J1118     J1120     J1124     J1126     J1130     J1132     J1223

202325   J1120      J1126

202330   J1119    11124       J1127     J1213  -  J1214  -  J1215  -  J1216     J1218  -  J1219  -  J1220
         J1223  -  J1224  -  J1225     J1227  -  J1228     J1238     J1232  -  J1233  -  J1234     J1314
         J1324     J1327

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1231      J1317     J1320  -  J1321     J1323

202340   J1119      J1124     J1214  -  J1215  -  J1216     J1218  -  J1219  -  J1220     J1227     J1230
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TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

J1232 - J1233 - J1234 J1314 J1324

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1323

202356 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1333

202360 J1127

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1333
202367 J1130
202370 J1118
202371 J1127   J1134

202372 J1102 J1106 J1118 J1114 J1116 J1118 - J1119 - J1120 - J1121 J1124
J1126 - J1127 - J1128 - J1129 - J1130 J1132 - J1133 - J1134 J1217 - J1218
J1220 J1223 - J1224 J1230 J1232 J1234

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1131 J1333

202374 J1102 - J1103 J1105 J1113 J1127
202375 J1129 J1214 J1220 J1224 J1230 J1232 J1314

202420 J1124 J1127 - J1128 - J1129 - J1130 J1133 - J1134

203000 J1130 J1132

203030 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1117

203070 J1133
203102 J1133

203104 J1134

203106 J1129
203124 J1121
203127 J1129
203131 J1134

203132 J1128

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TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

203300   J1229

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1333

203301   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1333

203302   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1333

203303   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1333

203304   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1333

203305   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1333

203306   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1333

203307   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1333

203377   J1120 - J1121   J1128 - J1129

207530   J1129   J1211   J1215   J1226

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1313   J1328 - J1321

207531   J1211   J1214 - J1215   J1224 - J1225 - J1226 - J1227 - J1228   J1230

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1313   J1318 - J1319   J1321

207532   J1127 - J1128 - J1129   J1211   J1215   J1218   J1223 - J1224 - J1225 - J1226
     - J1227 - J1228 - J1229 - J1230   J1233 - J1234
SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1313   J1318 - J1319   J1321

207533   J1128 - J1129   J1211   J1214 - J1215   J1226 - J1227 - J1228   J1230

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1320 - J1321

207622   J1129

TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1320

287623	J1129	J1314

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1318 - J1319

287624	J1129	J1230

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1318 - J1319

287625   J1129

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1321

207626	J1129	J1314

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1320 - J1321

207728	J1102	J1119 -	J1120 -	J1121	J1127 -	J1128	J1134	J1213	J1215 -	J1216
	J1219 -	J1220		J1224 -	J1225 -	J1226	J1228 -	J1229 -	J1238	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1313   J1318

207721	J1118 -	J1119 -	J1120	J1212	J1215 -	J1216
207722	J1119 -	J1120	J1134	J1220	J1228	J1230

207723	J1118 -	J1119	J1209

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1313

207724	J1212

207732	J1230
207750	J1314

207752   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1320

287753   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1321

207754	J1215	J1314

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TABLE 2-21. DISPLAY CONSOLE RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1318   -   J1319   -   J1320   -   J1321

207755   J1314

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1318   -   J1319

207756   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1320

207757   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1320   -   J1321

207761   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1321   -   J1322

207762   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1320   J1322

207763   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1322

207764   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1318   -   J1319   J1322

207773   J1102   -   J1103   -   J1104   -   J1105   -   J1106   -   J1107   -   J1108   -   J1109   -   J1110   -   J1111
-   J1112   -   11113   J1119   -   J1120   -   J1121   J1124   -   J1125   J1127   -   J1128   -   J1129
-   J1130   J1132   -   J1133   -   J1134   J1211   -   J1212   -   J1213   -   J1214   -   J1215   -   J1216
-   J1217   -   J1218   -   J1219   -   J1220   J1222   -   J1223   -   J1224   -   J1225   -   J1226   -   J1227
-   J1220   -   J1229   -   J1230   J1232   -   J1233   -   J1234   J1312   J1314   J1324   J1327

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1117   J1131   1231   J1313   J1317   J1323

236036   J1102   -   J1103   J1107   -   J1118   J1116   J1118   J1127   -   J1128   J1213   J1215
J1226   -   J1227   -   J1228   -   J1229   J1302   J1314

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1313

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TABLE 2-22. DATA DISPLAY GROUP ERROR STOP LOCATION MATRIX

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

ERROR STOP NUMBER	LHS	RHS

NOTE
"Y' INDICATES ERROR STOP IS LOCATED IN INDICATED FAULT CATALOG SECTION.

"-' INDICATES ERROR STOP IS NOT LOCATED IN INDICATED FAULT CATALOG SECTION.

ERROR STOP NUMBER	LHS	RHS
000000	-	Y
520001	-	Y
520002	-	Y
520003	Y	Y
520004	Y	Y
520005		-
520006	-	Y
520007	Y	-
520010	Y	-
520013	Y	Y
520014	Y	Y
520015	Y	Y
520016	Y	Y
520017	Y	Y
702600	-	Y

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TABLE 2-23. DDG LHS FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   CONNECTORS

NOTES:
A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, TYPE NAME, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:" FOR LED PROBLEMS, SEE TM9-1430-655-40-4: -ESPECIALLY PAGES 3-97 THRU 3-100.

CONNECTOR	TYPE	PART NUMBER
J1115	240 OHM RESISTOR	587117
J1221	100 BIT SHIFT REGISTER	10281698
THRU		
J1227	100 BIT SHIFT REGISTER	10281695

520003 J1103 J1104 J1105 J1108 - J1109 J1117 J1203 J1284 J1205 J1286
        J1208 J1212 J1215

520004 J1103 J1105 J1188 J1204 J1205 J1206 J1208

520005 J1104

520007 J1105

520010 J1204

520013 J1204

520014 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1115 J1221 J1222 J1223 J1224 J1225 J1226 J1227

520015 J1011 J1102 J1103 J1104 J1105 J1106 J1108 J1109 J1110 - J1111
        - J1112 J1113 J1114 J1117 J1203 - J1204 J1205 J1206 J1207 J1208
        J1211 J1212 J1215 J1218 J1219 J1220

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1115

520016 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1115

520017 J1101 J1102 J1103 J1104 J1105 J1106 J1108 J1109 J1110 - J1111
        - J1112 J1113 J1114 J1117 J1203 J1204 J1205 J1286 J1207 J1208
        J1211 J1212 J1213 J1214 J1215 J1217 J1218 J1219 J1220

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TABLE 2-23. DDG LHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1115 J1221   - J1222 - J1223 - J1224 - J1225 - J1226 - J1227

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TABLE 2-24. DDG RHS FAULT LOCATION

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

NOTES:
A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, TYPE NAME, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW, THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER "SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:" FOR LED PROBLEMS.. SEE TM9-1 43-655-40-4: -ESPECIALLY PAGES 3-97 THRU 3-180.

CONNECTOR	TYPE	PART NUMBER
J1112	CLOCK	587100
J1212	240 OHM RESISTOR	587119
J1221	DIODE/RESISTOR	587128

000000   J1110 - J1111   J1114   J1119   J1124 - J1125 - J1126   J1220

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1221

520001   J1109 - J1110   J1114   J1118 - J1119   J1121 - J1122   J1127   J1220

520002   J1103 - J1104   J1106 - J1107   J1110 - J1111   J1120   J1122   112G6   J1213
    - J1214 - J1215   J1220

SUBSTITUTE TIE FOLLOWING CARD ASSEMBLIES:
    J1221

520003   J1110   J1114   J1117   J1124   J1213 - J1214 - J1215 - J1216 - J1217 - J1218
    - J1219 - J1220   J1222   J1224 - J1225

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1212   J1221

520004   J1109   J1114   J1124   J1213   J1216   J1222   J1224 - J1225 - J1226

520006   J1109   J1214   J1220   1222

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1221

520013   J111   J1123 - J1124   J1211   J1214   J1216 - J1217   J1220   J1224 - J1225
    - J1226

SUBSTITUTE THE FOLLOW1II!1G CARD ASSEMB1IES:
    J1212   J1221

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TABLE 2-24. DDG RHS FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

520014   J1101 - J1102 - J1103 - J1104 - J1105 - J1106 - J1107 - J1108 - J1109 - J1110
          - J1111   J1113 - J1114 - J1115 - J1116 - J1117 - J1118 - J1119 - J1120 - J1121
          - J1122 - J1123 - J1124 - J1125 - J1126 - J1127   J1209   J1211   J1213 - J1214
          - J1215 - J1216 - J1217 - J1218 - J1219 - J1220   J1222   J1224 - J1225 - J1226
          - J1227

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1112   J1212   J1221

520015   J1101 - J1102 - J1103 - J1104 - J1105   J1107   J1109 - J1110 - J1111   J1113
          - J1114 - J1115 - J1116 - J1117 - J1118 - J1119 - J1120 - J1121 - J1122 - J1123
          - J1124 - J1125 - J1126 - J1127   J1211   J1213 - J1214 - J1215 - J1216 - J1217
          - J1218 - J1219 - J1220   J1222   J1224 - J1225 - J1226 - J1227

          SUBSTITUTE THE FOLLOW1ING CARD ASSEMBLIES:
              J1112   J1212   J1221

520016   J1103   J1105 - J1106 - J1107 - J1108   J1110 - J1111   J1113 - J1114 - J1115
          - J1116 - J1117 - J1118 - J1119   J1121 - J1122 - J1123   J1211   J1215 - J1216
          - J1217 - J1218   J1220

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1221

520017   J1104 - J1105 - J1106 - J1107   J1109 - J1110 - J1111   J1113 - J1114 - J1115
          - J1116 - J1117 - J1118 - J1119 - J1120 - J1121   J1123 - J1124   J1126   J1211
          J1213 - J1214 - J1215 - J1216 - J1217 - J1218 - J1219 - J1220   J1222   J1224
          - J1225 - J1226 - J1227

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1112   J1221

702600   J1120   J1125 - J1126

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TABLE 2-25. RIE ERROR STOP LOCATION MATRIX

NOTE:
THE RADAR INTERFACE EQUIPMENT (RIE) CONTAINS FIVE SECTIONS: A RADAR INTEGRATION UNIT (RIU), A VIDEO PROCESSOR UNIT (VPU), AN ANALOG SECTION AND AN 8K MEMORY UNIT (SINGLE PORT). IN ADDITION, THE VIDEO SIMULATION UNIT (VSU) IS DIRECTLY CONNECTED TO RIE CIRCUITRY AND A FAULT IN THIS UNIT CAN CAUSE A STOP CODE TO APPEAR FOR THE RIE. USE THE FOLLOWING ERROR STOP LOCATION MATRIX TO DETERMINE THE FAULT LOCATION.

A. "Y' INDICATES ERROR STOP IS LOCATED IN INDICATED FAULT CATALOG SECTION.

B. "-' INDICATES ERROR STOP IS NOT LOCATED IN INDICATED FAULT CATALOG SECTION.

C.   PRIOR TO IN-SYSTEM MTS CARD TESTING, SET THE RIE I PNL AND RIE PNL II AS FOLLOWS:

RIE I PANEL

SWITCH NAME	SETTING
IFF INTERROGATE	
MODE INTERLACE	OFF
SPECIAL VIDEO	OFF
VPU INPUT SELECT	
VPU A	OFF
VPU B	OFF
OVERLAP SELECT (ACM)	OFF
MAPPER DECISION VALUES	
NORMAL MAP	80800
MTI MAP	000000

RIE II PANEL

SWITCH NAME	SETTING
IFF TGT DECISION VALUES	
AZ MAX	377
MISS (SWEEPS)	7

D. IN THE RIE, SOMETIMES THE TOP AND BOTTOM OF THE CARD RETAINERS ARE MARKED WITH A WHITE RECTANGLE. THESE CARDS CANNOT BE TESTED BY THE MTS WHILE IN THE SYSTEM.

E. A 'Y' IN THE RIE/VSU COLUMN INDICATES THAT THE FAULT COULD BE IN EITHER THE RIE OR THE VSU, AND THAT FI SHOULD BE EXECUTED ON BOTH UNITS. REFER TO THE VSU DOCUMENTATION FOR FURTHER DETAILS.

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TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
000000	Y	Y	Y	-	-
500014	Y	Y	-	-	-
500706	-	-	Y	-	-
501010	-	Y	-	-	-
501034	-	Y	-	-	-
501100	-	Y	-	-	-
501101	-	Y	-	-	-
501102	Y	Y	-	-	-
501424	-	Y	-	-	-
501506	-	-	Y		-
501510	Y	Y	Y	-	-
501513	Y	Y	Y	Y	Y
501514	Y	Y	-	-	Y
501515	Y	Y	Y	-	-
501520	-	Y	-	-	-
501521	Y	Y	-	-	-
501522	-	Y	-	-	-
501523	-	Y	-	-	-
501525	-	Y	-	Y	-
501526	-	Y	-	-	-
501532	-	Y	Y	-	-
501550	Y	Y	Y	-	-
501551	-	Y	-	-	-
501552	-	Y	-	-	-
501554	-	Y	-	-	-
501615	-	Y	-	-	-
501620	-	Y	-	-	-
501622	-	Y	-	-	-
501623	-	Y	Y	-	-
501624	Y	Y	-	-	-
501632	Y	Y	Y	-	-
501633	-	Y	Y	-	-
501700	Y	Y	Y	Y	-
501702	-	Y	-	-	-
501703	-	Y	Y	-	-
501705	Y	Y	Y	-	-
501706	Y	Y	Y	Y	-
501707	-	Y	-	-	-
501710	-	Y	Y	-	-
501711	Y	Y	Y	-	-
501712	Y	Y	Y	Y	-
501713	Y	Y	Y	-	-
501714	-	Y	-	-	-
501715	-	Y	-	-	-
501716	-	Y	-	-	-
501717	-	Y	-	-	-
501720	-	Y	-	-	-
501721	-	Y	-	-	-
501722	-	Y	-	-	-
501723	-	Y	-	-	-

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TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF | | |
| DIAGNOSE STATUS | IOU OFF | CPU OFF | | |

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
501724	-	Y	-	-	-
501730	-	Y	-	-	-
501731	-	Y	-	-	-
501732	-	Y	-	-	-
501733	-	Y	-	-	-
501734	-	Y	-	-	-
501735	Y	Y	Y	-	-
501736	-	Y	-	-	-
501737	-	Y	-	-	-
501740	-	Y	-	-	-
501741	-	Y	Y	-	-
501742	-	Y	-	-	-
501744	-	Y	-	-	-
501745	-	Y	-	-	-
501746	-	Y	-	-	-
501763	-	Y	-	-	-
501765	-	Y	Y	-	-
502100	-	Y	-	-	-
502101	Y	Y	-	-	-
502102	-	Y	-	-	-
502103	-	Y	-	-	-
502104	-	Y	-	-	-
502106	-	Y	-	-	-
502107	-	Y	-	-	-
502118	-	Y	-	-	-
502111	-	Y	-	-	-
502112	-	Y	-	-	-
502113	-	Y	-	-	-
502114	-	Y	-	-	-
502177	Y	Y	Y	-	-
502214	-	Y	-	-	-
502216	Y	-	-	-	-
502217	-	Y	-	-	-
502220	-	Y	-	-	-
502222	-	Y	-	-	-
502277	-	Y	-	-	-
502300	-	Y	-	Y	-
502301	-	Y	-	Y	-
502302	-	Y	-	Y	-
502303	-	Y	-	Y	-
502304	Y	Y	-	Y	-
502305	-	Y	-	Y	-
502306	-	Y	-	Y	-
502307	-	Y	-	Y	-
502310	-	Y	-	Y	-
502311	-	Y	-	Y	-
502312	-	Y	-	Y	-
502313	-	Y	-	Y	-
502314	-	Y	-	Y	-
502315	-	Y	-	Y	-

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TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
502316	-	Y	-	Y	-
502317	-	Y	-	Y	-
502320	-	Y	-	Y	-
502321	-	Y	-	Y	-
502322	-	Y	-	Y	-
502323	Y	Y	-	Y	-
502324	-	Y	-	Y	-
502325	-	Y	-	Y	-
502326	-	Y	-	Y	-
502327	-	Y	-	Y	-
502330	-	Y	-	Y	-
502331	-	Y	-	Y	-
502332	-	Y	-	Y	-
502333	-	Y	-	Y	-
502334	-	Y	-	Y	-
5002335	-	Y	-	Y	-
502336	-	Y	-	Y	-
502337	-	Y	-	Y	-
502377	Y	Y	-	Y	-
502500	-	-		Y	-
502510	-	Y	-	-	-
502511	-	Y	-	-	-
502512	Y	-	-	-	-
502513	-	Y	-	-	-
502514	-	Y	-	-	-
502515	-	Y	-	-	-
502516	-	Y	-	-	-
502540	Y	Y	-	-	-
502541	-	Y	-	-	-
502543	-	Y	-	-	-
502544	-	Y	-	-	-
502553	-	Y	-	-	-
502554	-	Y	-	-	-
502577	-	Y	-	-	-
502622	-	Y	-	-	-
502700	-	Y	-	Y	-
502701	-	Y	-	Y	-
502702	-	Y	-	Y	-
502703	-	Y	-	Y	-
502704	-	Y	-	Y	-
502705	-	Y	-	Y	-
502706	-	Y	-	Y	-
502707	-	Y	-	Y	-
502710	-	Y	-	Y	-
502711	-	Y	-	Y	-
502712	-	Y	-	Y	-

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TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF		
DIAGNOSE STATUS	IOU OFF	CPU OFF		

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
502713	-	Y	-	Y	-
502714	-	Y	-	Y	-
502715	-	Y	-	Y	-
502716	-	Y	-	Y	-
502717	-	Y	-	Y	-
502720	-	Y	-	Y	-
502721	-	Y	-	Y	-
502722	-	Y	-	Y	-
502723	-	Y	-	Y	-
502724	-	Y	-	Y	-
502725	-	Y	-	Y	-
502726	-	Y	-	Y	-
502727	-	Y	-	Y	-
502730	-	Y	-	Y	-
502731	-	Y	-	Y	-
502732	-	Y	-	Y	-
502733	-	Y	-	Y	-
502734	-	Y	-	Y	-
502735	-	Y	-	Y	-
502736	-	Y	-	Y	-
502737	-	Y	-	Y	-
502777	-	Y	-	Y	-
503020	Y	Y	-	-	-
503021	Y	Y	-	-	-
503561	-	Y	Y	-	-
503562	Y	Y	Y	-	-
503563	-	Y	-	-	-
503604	-	Y	-	-	-
503610	-	Y	-	-	-
503612	Y	Y	-	-	-
503613	-	Y	-	-	-
503630	-	Y	-	-	-
503631	Y	Y	Y	-	-
503632	-	Y	-	-	-
503633	Y	Y	Y	-	-
503634	-	Y	-	-	-
503635	Y	Y	-	-	-
503637	-	Y	-	-	-
503647	Y	Y	-	-	-
503651	Y	Y	-	-	-
503653	Y	Y	-	-	-
503655	Y	Y	Y	-	-
503671	Y	Y	Y	Y	Y
503677	Y	Y	Y	Y	Y
503701	Y	Y	-	-	-
503704	Y	Y	-	-	-
503705	-	Y	-	-	-
503706	Y	Y	-	-	-
503707	-	Y	-	-	-
503711	Y	Y	Y	-	-

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF		
DIAGNOSE STATUS	IOU OFF	CPU OFF		
ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
503712	Y	Y	Y	-	-
504000	Y	Y	Y	-	Y
504061	Y	-	-	-	-
504063	-	Y	-	-	-
504064	Y	-	-	-	-
504066	Y	-	-	-	-
504067	Y	-	-	-	-
504070	Y	-	-	-	-
504071	Y	-	-	-	-
504072	Y	-	-	-	-
504073	Y	-	-	-	-
504074	Y	-	-	-	-
504075	Y	-	-	-	-
504076	Y	Y	-	-	-
504077	Y	Y	Y	-	-
504100	Y	Y	-	-	-
504101	Y	-	-	-	-
504102	Y	-	-	-	-
504107	Y	Y	-	-	-
504110	Y	-	-	-	-
504112	Y	Y	Y	-	-
504114	Y	-	-	-	-
504116	Y	Y	-	-	-
504117	Y	-	-	-	-
504120	Y	-	-	-	-
504122	Y	-	-	-	-
504123	Y	-	-	-	-
504133	Y	-	-	-	-
504141	Y	-	-	-	-
504142	Y	-	-	-	-
504144	Y	-	-	-	-
504150	-	-	-	-	-
504160	Y	-	-	-	-
504174	Y	-	-	-	-
504200	Y	Y	Y	-	-
504201	Y	Y	-	-	-
504220	Y	Y	-	-	-
504221	Y	-	-	-	-
504222	Y	-	-	-	-
504223	Y	-	-	-	-
504225	Y	-	-	-	-
504226	Y	-	-	-	-
504227	Y	-	-	-	-
504231	Y	-	-	-	-
504232	Y	-	-	-	-
504233	Y	-	-	-	-
504235	Y	-	Y	-	-
504236	Y	-	Y	-	-
504237	Y	Y	Y	-	-
504241	Y	-	-	-	-

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF | | |
| DIAGNOSE STATUS | IOU OFF | CPU OFF | | |

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
504242	Y	-	-	-	-
504243	Y	-	-	-	-
504244	Y	-	-	-	-
504245	Y	-	-	-	-
504247	Y	-	-	-	-
504250	Y	-	-	-	-
504254	Y	-	Y	-	-
504255	Y	-	-	-	-
504256	Y	-	-	-	-
504257	Y	-	-	-	-
504262	Y	-	Y	-	-
504263	Y	-	-	-	-
504266	Y	-	-	-	-
504267	Y	Y	-	-	-
504272	Y	-	-	-	-
504273	Y	-	Y	-	-
504276	Y	-	-	-	-
504277	Y	-	-	-	-
504302	Y	-	-	-	-
504303	Y	Y	-	-	-
504312	Y	-	-	-	-
504314	Y	-	Y	-	-
504316	Y	-	-	-	-
504317	Y	-	-	-	-
504320	Y	-	Y	-	-
504341	Y	Y	Y	-	-
504342	Y	Y	Y	-	-
504344	Y	-	-	-	-
504346	Y	-	-	-	-
504350	Y	-	Y	-	-
504352	Y	-	Y	-	-
504360	Y	-	-	-	-
504377	-	-	Y	-	-
504401	Y	-	Y	-	-
504402	Y	-	Y	-	-
504403	Y	-	-	-	-
504404	Y	-	Y	-	-
504405	Y	-	-	-	-
504407	Y	Y	-	-	-
504410	Y	-	Y	-	-
504411	Y	-	Y	-	-
504412	Y	-	Y	-	-
504413	Y	-	Y	-	-
504420	Y	Y	Y	-	-
504421	Y	-	Y	-	Y
504422	Y	Y	Y	-	-
504423	Y	-	-	-	-
504424	Y	Y	Y	-	-
504430	Y	-	-	-	-
504431	Y	-	-	-	-

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF		
DIAGNOSE STATUS	IOU OFF	CPU OFF		

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
504435	Y	-	-	-	-
504436	Y	-	-	-	-
504437	Y	-	-	-	-
504461	Y	-	Y	-	-
504462	Y	-	-	-	-
504463	Y	-	Y	-	-
504464	Y	-	Y	-	-
504466	Y	-	-	-	-
504467	Y	-	Y	-	-
504501	Y	-	-	-	-
504502	Y	-	Y	-	-
504503	Y	-	-	-	-
504504	Y	-	Y	-	-
504506	Y	-	-	-	-
504510	Y	Y	Y	-	-
504512	Y	-	-	-	-
504514	Y	-	-	-	-
504516	Y	-	-	-	-
504521	Y	-	Y	-	-
504522	Y	-	Y	-	-
504526	Y	Y	Y	-	-
504527	Y	-	-	-	-
504530	Y	-	-	-	-
504531	Y	-	-	-	-
504532	Y	-	-	-	-
504533	Y	-	-	-	-
564535	Y	-	-	-	-
504536	Y	-	-	-	-
504537	Y	Y	Y	-	-
504541	Y	-	-	-	-
504542	Y	Y	Y	-	-
504544	Y	Y	-	-	-
504546	Y	-	-	-	-
504550	Y	Y	-	-	-
504552	Y	-	-	-	-
504554	Y	-	-	-	-
504560	Y	Y	-	-	-
504562	Y	-	-	-	-
504564	Y	-	-	-	-
504570	Y	-	-	-	-
504574	Y	-	-	-	-
504600	Y	-	Y	-	-
504601	Y	-	Y	-	-
504602	Y	-	Y	-	-
504604	Y	-	Y	-	-
504610	Y	-	Y	-	-
504614	-	-	Y	-	-
504616	-	-	Y	-	-
504620	Y	-	Y	-	-
504621	Y	-	-	-	-

Change 4 2-350

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF			
DIAGNOSE STATUS	IOU OFF	CPU OFF			
ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
504622	Y	-	-	-	-
504624	Y	-	-	-	-
504630	Y	Y	-	-	-
504632	Y	-	-	-	-
504634	Y	-	-	-	-
504661	Y	-	Y	-	-
504662	Y	-	Y	-	-
504663	Y	-	-	-	-
504664	Y	-	Y	-	-
504667	Y	-	-	-	-
504671	Y	-	-	-	-
504672	Y	-	-	-	-
504673	Y	-	-	-	-
504701	Y	-	Y	-	-
504702	Y	-	Y	-	-
504704	Y	-	Y	-	-
504710	Y	-	Y	-	-
504712	Y	-	-	-	-
504721	Y	-	Y	-	-
504722	Y	-	Y	-	-
504724	Y	-	-	-	-
504730	Y	-	-	-	-
504737	Y	Y	-	-	-
504740	Y	Y	-	-	-
504741	Y	-	-	-	-
504742	Y	-	-	-	-
504744	Y	-	-	-	-
504750	Y	Y	-	-	-
504751	Y	Y	-	-	-
504761	Y	-	-	-	-
504771	Y	Y	Y	-	-
504773	Y	-	-	-	-
504776	Y	-	-	-	-
505300	Y	-	-	-	-
505301	Y	-	-	-	-
505312	Y	-	-	-	-
505313	Y	-	-	-	-
505315	Y	-	-	-	-
505316	Y	-	-	-	-
505317	Y	-	-	-	-
505320	Y	-	-	-	-
505321	Y	-	-	-	-
505322	Y	-	-	-	-
505323	Y	-	-	-	-
505325	Y	-	-	-	-
505326	Y	-	-	-	-
505327	Y	-	-	-	-
505330	Y	-	-	-	-
505331	Y	-	-	-	-
505332	Y	-	-	-	-

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS		IOU OFF	CPU OFF		
DIAGNOSE STATUS		IOU OFF	CPU OFF		

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
505333	Y	-	-	-	-
505335	Y	-	-	-	-
505336	Y	-	-	-	-
505337	Y	-	-	-	-
505340	Y	-	-	-	-
505400	-	-	Y	-	-
505401	-	-	Y	-	-
505402	-	-	Y	-	-
505403	-	-	Y	-	-
505405	-	-	Y	-	-
505406	-	-	Y	-	-
505407	-	-	Y	-	-
505410	-	-	Y	-	-
505411	-	-	Y	-	-
505412	-	-	Y	-	-
505413	-	-	Y	-	-
505414	-	-	Y	-	-
505415	-	-	Y	-	-
505416	-	-	Y	-	-
505417	-	-	Y	-	-
505420	-	-	Y	-	-
505421	-	-	Y	-	-
505422	-	-	Y	-	-
505423	-	-	Y	-	-
505424	-	-	Y	-	-
505425	-	-	Y	-	-
505426	-	-	Y	-	-
505427	-	-	Y	-	-
505430	-	-	Y	-	-
505431	-	-	Y	-	-
505432	-	-	Y	-	-
505433	-	-	Y	-	-
505434	-	-	Y	-	-
505435	-	-	Y	-	-
505436	-	-	Y	-	-
505437	-	-	Y	-	-
505440	-	-	Y	-	-
505441	-	-	Y	-	-
505442	-	-	Y	-	-
505443	-	-	Y	-	-
505444	-	-	Y	-	-
505445	-	-	Y	-	-
505447	-	-	Y	-	-
505450	-	-	Y	-	-
505451	-	-	Y	-	-
505460	-	-	Y	-	-
505461	-	-	Y	-	-
505500	-	-	Y	-	-
505501	-	-	Y	-	-
505502	-	-	Y	-	-

Change 4 2-352

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF			
DIAGNOSE STATUS	IOU OFF	CPU OFF			

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
505503	-	-	Y	-	-
505504	-	-	Y	-	-
505505	-	-	Y	-	-
505506	-	-	Y	-	-
505510	-	-	Y	-	-
505510	-	-	Y	-	-
505511	-	-	Y	-	-
505512	-	-	Y	-	-
505513	-	-	Y	-	-
505514	-	-	Y	-	-
505515	-	-	Y	-	-
505516	-	-	Y	-	-
505517	-	-	Y	-	-
505520	-	-	Y	-	-
505521	-	-	Y	-	-
505522	-		Y	-	-
505523	-	-	Y	-	-
505524	-	-	Y	-	-
505525	-	-	Y	-	-
505526	-	-	Y	-	-
505527	-	-	Y	-	-
505530	-	-	Y	-	-
505531	-	-	Y	-	-
505532	-	-	Y	-	-
505533	-	-	Y	-	-
505534	-	-	Y	-	-
505535	-	-	Y	-	-
505536	-	-	Y	-	-
505537	-	-	Y	-	-
505540	-	-	Y	-	-
505541	-	-	Y	-	-
505542	..	..	Y	-	-
505544	-	-	Y	-	-
505545	-	-	Y	-	-
505546	-	-	Y	-	-
505547	-	-	Y	-	-
505550	-	-	Y	-	-
505551	-	-	Y	-	-
505560	-	-	Y	-	-
505561	-	-	Y	-	-
505600	-	-	Y	-	Y
506000	-	Y	Y	-	-
506001	-	Y	Y	-	-
506002	-	Y	Y	-	-
506003	Y	Y	Y	-	-
506004	-	-	Y	-	Y
506005	-	-	Y	-	-
506006	-	-	Y	-	-
506007	-	Y	Y	-	-
506010	-	-	Y	-	-

Change 4 2-353

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF			
DIAGNOSE STATUS	IOU OFF	CPU OFF			

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
506011	-	-	Y	-	-
506012	Y	Y	Y	-	Y
506013	-	Y	Y	-	-
506014	Y	Y	Y	-	Y
506015	Y	Y	Y	-	Y
506016	Y	Y	Y	-	Y
506017	Y	-	Y	-	Y
506020	Y	-	Y	-	-
506021	Y	-	Y	-	-
506022	-	-	Y	-	Y
506023	-	-	Y	-	-
500602	-	-	Y	-	-
506025	-	-	Y	-	-
506026	Y	Y	Y	-	-
500627	Y	Y	Y	-	-
506030	Y	-	Y	-	-
506031	Y	Y	Y	-	-
506032	Y	Y	Y	-	-
500633	Y	Y	Y	-	-
506034	-	-	Y	-	-
506035	Y	-	Y	-	-
506036	-	-	Y	-	Y
506037	-	-	Y	-	-
506040	-	-	Y	-	-
506041	-	-	Y	-	-
506042	Y	Y	Y	-	Y
506043	-	-	Y	-	-
506044	Y	-	Y	-	-
506045	Y	Y	Y	-	-
506045	Y	-	Y	-	-
506047	Y	-	Y	-	-
506050	-	-	Y	-	-
506051	-	-	Y	-	-
506052	-	-	Y	-	-
506053	Y	-	Y	-	-
506054	Y	-	Y	-	-
506055	Y	Y	Y	-	-
506056	Y	Y	Y	-	-
506057	-	Y	Y	-	-
506060	Y	Y	Y	-	-
506061	Y	Y	Y	-	-
506062	Y	Y	Y	-	-
506063	-	-	Y	-	-
506064	-	-	Y	-	-
506065	Y	Y	Y	-	-
506066	Y	Y	Y	-	-
506067	-	-	Y	-	-
506070	-	-	Y	-	-
565071	-	-	Y	-	-
506072	-	-	Y	-	-

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF			
DIAGNOSE STATUS	IOU OFF	CPU OFF			
ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
502673	-	Y	Y	-	-
506074	Y	Y	Y	-	-
500675	-	-	Y	-	-
506076	-	-	Y	-	-
506077	-	Y	Y	-	-
506100	-	-	Y	-	-
506101	-	Y	Y	-	-
506102	Y	Y	Y	-	-
506103	Y	Y	Y	-	-
506104	Y	Y	Y	-	-
506105	Y	Y	Y	-	-
506106	Y	Y	Y	-	Y
506107	Y	Y	Y	-	-
506110	Y	-	Y	-	-
506111	Y	-	Y	-	-
506112	-	-	Y	-	-
506113	Y	-	Y	-	-
506114	Y	Y	Y	-	-
506115	Y	Y	Y	-	-
506116	Y	Y	Y	-	Y
506117	Y	Y	Y	-	Y
506120	Y	Y	Y	-	-
506121	Y	Y	Y	-	Y
506122	Y	-	Y	-	-
506123	Y	-	Y	-	-
506124	Y	-	Y	-	-
506125	-	-	Y	-	-
506126	Y	-	Y	-	-
506127	-	Y	Y	-	-
506130	Y	Y	Y	-	-
506131	Y	Y	Y	-	Y
506132	Y	-	Y	-	-
506133	-	-	Y	-	-
506134	-	-	Y	-	-
506135	-	-	Y	-	-
506136	-	-	Y	-	-
506137	-	-	Y	-	-
506140	-	-	Y	-	-
506141	-	-	Y	-	-
506142	-	-	Y	-	-
506143	-	-	Y	-	-
506144	Y	Y	Y	-	-
506145	Y	-	Y	-	-
506146	-	7	Y	-	-
506147	Y	-	Y	-	-
506150	Y	-	Y	-	Y
506151	Y	-	Y	-	-
506152	-	-	Y	-	-
506153	-	-	Y	-	-
506154	-	-	Y	-	-

Change 4 2-355

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF		
DIAGNOSE STATUS	IOU OFF	CPU OFF		

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
506155	-	-	Y	-	-
506156	-	-	Y	-	-
505157	Y	-	Y	-	-
506160	Y	Y	Y	-	-
506161	Y	-	Y	-	-
506162	Y	Y	Y	-	-
506163	Y	Y	Y	-	-
506164	-	-	Y	-	-
506165	-	-	Y	-	-
506166	-	-	Y	-	-
506167	Y	Y	Y	-	Y
506170	Y	Y	Y	-	-
506171	Y	Y	Y	-	-
506172	-	-	Y	-	-
506173	-	-	Y	-	-
506174	-	-	Y	-	-
506175	Y	-	Y	-	-
506176	Y	Y	Y	-	-
506177	Y	-	Y	-	-
506200	Y	Y	Y	-	-
506201	-	-	Y	-	-
506202	-	-	Y	-	-
506203	-	-	Y	-	-
506204	-	-	Y	-	-
506205	-	-	Y	-	-
526206	-	-	Y	-	-
506207	-	-	Y	-	-
526210	-	-	Y	-	-
506211	-	-	Y	-	-
506212	-	-	Y	-	-
506213	Y	-	Y	-	Y
506214	Y	Y	Y	-	Y
506215	Y	Y	Y	-	-
506216	Y	Y	Y	-	-
506217	Y	Y	Y	-	-
506221	Y	Y	Y	-	Y
506300	-	Y	-	-	-
506301	-	Y	-	-	-
506302	Y	Y	-	-	-
506304	Y	Y	Y	-	-
506307	Y	Y	-	-	-
506311	Y	Y	-	-	-
506313	-	Y	-	-	-
506315	-	Y	-	-	-
506316	-	Y	-	-	-
556317	-	Y	-	-	-
506322	Y	Y	-	-	-
506323	Y	-	-	-	-
506324	Y	-	-	-	-

Change 4 2-356

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF		
DIAGNOSE STATUS	IOU OFF	CPU OFF		

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
526325	Y	-	-	-	-
506326	Y	-	-	-	-
506327	Y	-	-	-	-
506330	Y	-	-	-	-
526331	Y	-	-	-	-
506332	Y	Y	Y	-	-
506333	Y	-	-	-	-
506334	Y	-	-	-	-
506335	Y	-	Y	-	-
506336	Y	-	-	-	-
506337	-	Y	-	-	-
506340	-	Y	-	-	-
506341	-	Y	-	-	-
506342	-	Y	-	-	-
506343	-	Y	-	-	-
506344	Y	Y	-	-	-
506350	Y	Y	-	-	-
506351	Y	Y	-	-	-
506352	Y	-	-	-	-
506353	Y	Y	-	-	-
506354	-	Y	-	-	-
506355	Y	-	-	-	-
506356	Y	-	-	-	-
506370	Y	-	-	-	-
506400	Y	Y	-	-	-
506410	Y	Y	-	-	-
506461	Y	Y	-	-	-
506475	Y	-	-	-	-
506476	Y	Y	-	-	-
506477	Y	-	Y	-	-
506533	-	Y	-	-	-
506535	-	Y	-	-	-
507007	-	-	Y	-	-
507010	-	-	Y	-	-
507014	Y	-	-	-	Y
507015	Y	-	-	-	-
507016	Y	-	-	-	-
507020	Y	-	-	-	-
507021	Y	-	-	-	-
507022	Y	-	-	-	Y
507023	Y	-	-	-	-
507024	Y	-	-	-	-
507025	Y	-	-	-	-
507026	Y	-	-	-	-
507027	Y	-	-	-	-
507031	Y	Y	-	-	Y
507032	Y	-	-	-	Y
507033	Y	Y	Y	-	Y
507034	Y	Y	Y	Y	-
507035	Y	Y	Y	-	-

Change 4 2-357

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF		
DIAGNOSE STATUS	IOU OFF	CPU OFF		

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
507036	Y	-	-	-	
507037	Y	Y	Y	-	
507040	Y	Y	Y	Y	
507041	Y	-	-	-	
507042	Y	-	-	-	
507044	Y	-	-	-	
507045	Y	-	-	-	
507046	Y	-	-	-	
507047	Y	Y	-	Y	
507050	Y	-	-	-	
507051	Y	Y	Y	-	
507052	Y	Y	-	-	
507053	Y	-	Y	-	
507054	Y	Y	-	-	
507055	Y	Y	-	Y	
507056	Y	Y	-	-	
507057	Y	-	Y	-	
507061	Y	-	-	-	
507062	Y	-	-	-	
507063	Y	Y	-	-	
507064	Y	-	-	-	
507065	Y	Y	-	-	
507066	Y	Y	-	-	
507070	Y	Y	-	-	
507071	Y	-	-	-	
507072	Y	-	-	-	
507073	Y	-	-	-	
507074	Y	Y	-	-	
507075	Y	-	-	-	
507076	Y	-	-	-	
507077	Y	-	-	-	
507100	Y	-	-	-	
507101	Y	-	-	-	
507102	Y	-	-	-	
507103	Y	-	-	-	
507105	Y	Y	-	-	
507106	Y	Y	-	-	
507107	Y	Y	-	-	
507110	Y	-	-	-	
507111	Y	-	-	-	
507112	Y	-	-	-	
507113	Y	-	-	-	
507115	Y	-	-	-	
507116	Y	-	-	-	
507117	Y	-	-	-	
507120	Y	-	-	-	
507121	Y	-	-	-	
507124	Y	-	-	-	
5007131	Y	-	-	-	
507135	Y	-	-	-	

Change 4 2-358

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF			
DIAGNOSE STATUS	IOU OFF	CPU OFF			
ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
507137	Y	-	-	-	-
507146	Y	-	-	-	-
507147	Y	-	-	-	-
507160	Y	Y	-	-	-
507170	Y	Y	-	-	-
507171	Y	Y	-	-	-
507172	Y	Y	-	-	-
507173	Y	Y	-	-	-
507174	Y	Y	-	-	-
507175	Y	Y	-	-	-
507176	Y	Y	-	-	-
507177	Y	Y	-	-	-
507221	Y	Y	Y	-	-
507301	Y	Y	-	-	-
507302	Y	-	-	-	-
507305	Y	-	-	-	-
507403	-	-	-	-	-
507450	-	-	Y	-	-
507451	-	-	Y	-	-
507452	-	-	Y	-	-
507453	-	-	Y	-	-
507455	Y	Y	-	-	-
507456	Y	-	-	-	-
507460	Y	-	-	-	-
507463	Y	-	-	-	Y
507464	Y	Y	Y	-	-
507500	Y	Y	Y	-	-
507501	Y	Y	Y	Y	-
507502	Y	-	-	-	-
507503	Y	Y	Y	Y	-
507504	Y	Y	Y	Y	Y
507505	Y	-	Y	-	-
507510	Y	-	-	Y	-
507511	Y	Y	Y	-	-
507513	Y	-	-	-	-
507514	Y	-	-	-	-
507525	Y	-	-	-	-
507527	Y	-	-	-	-
507537	Y	-	-	-	-
507543	Y	Y	-	-	-
507544	Y	-	-	-	-
507552	Y	-	-	-	-
507560	Y	-	-	-	-
507577	Y	Y	Y	Y	Y
507700	Y	Y	-	-	Y
507705	Y	Y	Y	-	Y
507706	Y	-	Y	-	-
507707	Y	-	Y	-	-
507730	Y	-	Y	-	-
507742	Y	Y	-	-	-

Change 4   2-359

TABLE 2-25. RIE ERROR STOP LOCATION MATRIX - CONTINUED

| PROGRAM LOAD STATUS | | IOU OFF | CPU OFF | | |
| DIAGNOSE STATUS | | IOU OFF | CPU OFF | | |

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
587744	Y	-	-	-	-
507745	Y	-	-	-	-
587746	Y	-	-	-	-
572610	-	Y	-	-	-
774500	Y	Y	-	-	-
777000	-		-	-	Y

Change 4   2-360

TABLE 2-26. RIU FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

NOTE:

1.   PRIOR TO IN-SYSTEM MTS CARD TESTING, SET THE
RIE I PNL AND RIE II PNL AS FOLLOWS:

RIE I PANEL
SWITCH NAME ....SETTING
IFF INTERROGATE
    MODE INTERLACE .... OFF
SPECIAL VIDEO ....OFF
VPU INPUT SELECT
    VPU A ....OFF
    VPU B ....OFF
OVERLAP SELECT (RCM) .... OFF
MAPPER DECISION VALUES
    NORMAL MAP 8800
    MTI MAP 08888

RIE II PANEL
SWITCH NAME ....SETTING
IFF TGT DECISION VALUES
    AZ MAX 377
    MISS (SWEEPS) 7

2.   IN THE RIU BAY THE TOP AND BOTTOM OF THE FOL-
LOWING CARD RETAINERS ARE MARKED WITH A WHITE
RECTANGLE. THESE CARDS CANNOT BE TESTED BY
THE MTS WHILE IN THE SYSTEM.

J1125   J1132   J1140 -   J1141   J1143   J2218   J2227 - J2228

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
000000       J1111      J1114  - J1115  - J1116  - J1117  - J1118  - J1119  - J1120  - J1121  - J1122
             J1124      J1126  - J1127    J1129  - J1130  - J1131    J1133  - J1134  - J1135  - J1136
           - J1137  -   J1138    J1210    J1213  - J1214  - J1215    J1219  - J1220  - J1221  - J1222
           - J1223  -   J1224    J1230  - J1231    J1233    J1235    J1237    J1239    J1246    J1311
             J1313  -   J1314    J1317  - J1318  - J1319  - J1320    J1323  - J1324  - J1325    J1327
             J1333      J1335  - J1336  - J1337  - J1338  - J1339  - J1340  - J1341    J1343  - J1344
           - J1345      J2102    J2109    J2110  - J2111  - J2112  - J2113  - J2114  - J2115  - J2116
             J2118  -   J2119    J2124  - J2125  - J2126    J2130    J2135    J2138    J2140    J2144
             J2201  -   J2202  - J2203  - J2284    J2207  - J2208    J2210    J2212  - J2213    J2218
           - J2219  -   J2220  - J2221  - J2222  - J2223  - J2224    J2226    J2229  - J2230  - J2231
             J2233  -   J2234  - J2235    J2237    J2240    J2241  - J2242  - J2243  - J2244  - J2245
             J2245      J2304  - J2305    J2308  - J2309  - J2310  - J2311  - J2312  - J2313  - J2314
           - J2315  -   J2316  - J2317  - J2318  - J2319  - J2320  - J2321  - J2322  - J2323  - J2324
           - J2325  -   J2326  - J2327  - J2328  - J2329  - J2330  - J2331    J2333  - J2334  - J2335
           - J2336  -   J2337  - J2338  - J2339  - J2340  - J2341  - J2342  - J2343  - J2344  - J2345
           - J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2217   J2332

```
500014       J1114

501102       J1311      J1313
```

```
501510       J1110  - J1111      J1114  - J1115    J1119  - J1120    J1124    J1126    J1222    J1247
             J1325    J1341  - J1342    J1344  - J1345  - J1346    J2219    J2227    J2241    J2382
             J2304  - J2305    J2308  - J2309    J2311    J2315  - J2316  - J2317  - J2318  - J2319
           - J2320  - J2321    J2326    J2333  - J2334  - J2335    J2338  - J2339  - J2340  - J2341
           - J2342  - J2344  - J2345
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2332

```
501513       J1108  - J1109  - J1110  - J1111  - J1112  - J1114    J1116  - J1117  - J1118  - J1119
           - J1120  - J1121  - J1122    J1124  - J1125  - J1126  - J1127  - J1128  - J1129  - J1130
           - J1131  - J1132    J1134    J1137  - J1138    J1205  - J1206    J1208    J1217    J1219
             J1221  - J1222  - J1230  - J1231  - J1232  - J1233  - J1234  - J1235    J1237  - J1238
           - J1239  - J1240  - J1241  - J1242  - J1243  - J1244  - J1245  - J1246  - J1247  - J1248
             J1310  - J1311  - J1312  - J1313  - J1314  - J1315  - J1316  - J1317  - J1318  - J1319
           - J1320  - J1321  - J1322    J1324  - J1325  - J1326  - J1327    J1330    J1332  - J1333
           - J1334  - J1335  - J1336  - J1337  - J1338  - J1339  - J1340  - J1341  - J1342  - J1343
           - J1344  - J1345  - J1346    J2136    J2144    J2201  - J2202  - J2207  - J2208    J2211
           - J2212  - J2213  - J2214-   J2221    J2231    J2233  - J2234  - J2235  - J2236  - J2237
             J2239    J2243    J2245    J2301  - J2302  - J2303  - J2304  - J2305  - J2306  - J2307
             J2309  - J2310  - J2311  - J2312  - J2313  - J2314    J2316  - J2317  - J2318  - J2319
           - J2320  - J2321  - J2322    J2324  - J2325  - J2326  - J2327  - J2328  - J2329  - J2330
           - J2331    J2334  - J2335  - J2336  - J2337  - J2338  - J2339  - J2340  - J2341  - J2342
           - J2343  - J2344  - J2345  - J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1123   J1139   J2217   J2332

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

501514	J1108	J1114	J 1116	-	J1117	-	J1118	-	J1119	-	J1120	-	J1121	-	J1122	J1124
	J1126	- J1127	J1129	-	J1130	-	J1131	-	J1132		J1134		J1138		J1304	J1313
	- J1314	J1317	- J1318	-	J1319	-	J1320		J1324		J1329	-	J1330		J1336	- S1337
	- J1339	J1340	J2234		J2308	-	J2309		J2312		J2314		J2318	-	J2319	J2322
	J2324	- J2325	J2327		J2329	-	J2330	-	J2331		J2337	-	J2338	-	J2339	- J2340
	- J2341	- J2342	- J2343	-	J2344	-	J2345									

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1139   J2332

| 501515 | J1108 | - | J1109 | J1116 | J1313 | J1325 | J1332 | J2201 | - | J2202 | 12305 | - | J2386 |
| | J2318 | | J2330 | | | | | | | | | | |

| 501521 | J1313 | - J1314 | J1317 | - J1318 | J1320 | J1327 | J1330 | J1333 |

| 501550 | J1128 | J2212 |

| 501624 | J1110 | - J1111 | - J1112 | J1338 |

| 501632 | J1112 |

| 501700 | J1128 | - J1129 | J!333 | - J1334 | J1336 | - J1337 | - J1338 | - J1339 | J2131 | J2281 |
| | J2211 | - J2212 | J2304 | | | | | | | |

| 581785 | J1127 | - J1128 | J1334 | - J1335 | J1337 | J1339 |

| 501706 | J1126 | - J1127 | - J1128 | J1335 | J1337 |

| 501711 | J2131 | J2202 |

501712	J1248	- J2137	J2231	J2233	- J2234	- J2235	- J2236	- J2237	J2239	- J2240
	- J2241	- J2242	- J2243	- J2244	- J2245	- J2246	J2301	- J2302	- J2303	- J2304
	J2306	- J2307	J2310	J2311	- J2312	J2314	- J2315	- J2316	- J2317	- J2318
	J2320	- J2321	J2322	J2324	- J2325	- J2326	- J2327	- J2328	- J2329	- J2330
	- J2331	J2335	- J2336	- J2337	J2339	- J2340	- J2341	- J2342	- J2343	- J2344
	- J2345	- J2346								

| 501713 | J1110 | J1115 | - J1119 | - J1120 | - J1130 | - J1131 |

| 501735 | J1128 |

| 502101 | J1109 |

| 502177 | J1108 | - J1109 | - J1118 | - J1111 | J1116 | J1126 | J1128 | - J1129 | J1132 | J1222 |
| | J1247 | | | | | | | | |

| 502216 | J1109 |

| 502304 | J1346 |

| 502323 | J1341 |

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
502377    J1116      J1121      J1130      J1132      J1134      J1342

582512    J1339

502540    J1114  -  J1115      J1119  -  J1120      J1124

503020    J1119      J1131      J1135      J2233
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
          J1139

503021    J1109      J1112      J1117  -  J1118  -  J1119  -  J1120  -  J1121      J1124      J1129  -  J1130
          J1137      J1319      J1337  -  J1338  -  J1339  -  J1340      J2315      J2317  -  J2318      J2321
      -  J2322      J2324      J2327      J2329  -  J2330      J2333  -  J2334      J2336  -  J2337      J2339
      -  J2340  -  J2341  -  J2342  -  J2343  -  J2344  -  J2345  -  J2346

503562    J1222      J1320      J1323      J1333      J2136      J2331      J2341

503612    J1189      J1111  -  J1112      J1120      J1125  -  J1126  -  J1127      J1129  -  J1130  -  J1131
      -  J1132      J2230      J2234  -  J2235  -  J2236
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
          J1123

503631    J1135      J1137      J1144  -  J1145      J1147  -  J1148      J1205      J1319  -  J1320      J1323
          J1337      J1340      J2129      J2210      J2224      J2233  -  J2234  -  J2235      J2246      J2311
          J2336      J2339      J2341  -  J2342  -  J2343

503633    J1108      J1110  -  J1111  -  J1112      J1116      J1120      J2333

503635    J1108      J1120      J1221      J1232  -  J1233  -  J1234      J1240  -  J1241

503647    J1116      J1122      J1124      J1126  -  J1127      J1129      J1132      J1134      J2207      J2304
      -  J2305      J2307  -  J2308  -  J2309      J2311  -  J2312  -  J2313  -  J2314  -  J2315  -  J2316
      -  J2317  -  J2318  -  J2319  -  J2320  -  J2321      J2323  -  J2324      J2326      J2330      J2334
      -  J2335      J2338      J2341  -  J2342      J2345
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
          J1139      J2332

503651    J1336

503653    J1337

503655    J1114  -  J1115      J1124      J1129      J1345  -  J1346      J2314      2319  -  J2320      J2325
          J2330

503671    J1108      J1116      J1120      J1130      J1135      J1137      J1144  -  J1145      J1147  -  J1148
          J1205      J1317      J1319  -  J1320      J1323      J1325      J1345  -  J1346      J2129      J2212
          J2222      J2224      J2341  -  J2342      J2345
```

Change 2   2-365

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
503677     J1108 - J1109 - J1110 - J1111 - J1112   J1114   J1116   J1118 - J1119 - J1120
         - J1121 - J1122   J1126 - J1127 - J1128 - J1129 - 31130 - J1131 - 51132   J1134
           J1138   J1208   J1217   J1219   J1233   J!242   J1244   J1247   J1313   J1317
         - J1318 - J1319 - J1320   J1323 - J1324 - J1325 - J1326   J1328   J1330   J1332
         - J1333 - J1334 - J!335 - J1336 - J1337 - J1338 - J1339 - J1340 - J1341 - J1342
           J1344 - J1345 - J1346   J2104   J2130   J2132   J2134   J2136   J2140   J2203
         - J2204   J2207 - J2208 - J2209 - J2210 - J2211   J2212   J2218 - J2219 - J2220
         - J2221 - J2222 - J2223 - J2224   J2226   J2227 - J2228 - J2229 - J2230 - J2231
           J2233 - J2234 - J2235 - J2236 - J2237 - J2238   J2240 - J2241 - J2242   J2301
         - J2302   J2304 - J2305   J2308 - J2309 - J2310 - J2311 - J2312 - J2313 - J2314
         - J2315 - J2316 - J2317 - J2318 - J2319 - J2320 - J2321 - J2322 - J2323 - J2324
         - J2325 - J2326 - J2327 - J2328 - J2329 - J2330 - J2331   J2333 - J2334 - J2335
         - J2336 - J2337 - J2338 - J2339 - J2340 - 32341   J2342 - J2343 - J2344 - J2345
         - J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
           J1123     J2217     J2332
```

```
503701     J1318 - J1319   J1323   J2104 - J2105   J2110   J2117 - J2118   J2121   J2128
           J2130   J2136 - J2137 - J2138   J2201 - J2202 - J2203 - J2204   J2214   J2218
         - J2219 - J2220 - J2221 - J2222 - J2223 - J2224   J2229 - J2230 - J2231   J2233
         - J2234 - J2235 - J2236 - J2237 - J2238   J2240 - J2241 - J2242 - J2243 - J2244
         - J2245   J2301 - J2302   J2304 - J2305   J2308   J2312   J2314   J2316 - J2317
         - J2318   J2322   J2325   J2328 - J2329 - J2330 - J2331   J2335   J2341 - J2342
           J2345 - J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
           J2217     J2332
```

```
503704     J2222     J2229     J2233 - J2234 - J2235     J2345

503706     J1318     J1325

503711     J3108     J2241

503712     J1116     J2231     J2244     J2316     J2345
```

```
504000     J1108   J1111 - 1112   J1114   J1117   J1119 - J1120   J1124   J1130   J1135
           J1137   J1140   J1144   J1146 - J1147 - J1148   J1209 - J1210   J1222   J1313
           J1317   J1319 - J1320   J1323 - J1324   J1330   J1333   J1344   J2101 - J2102
         - J2103 - J2104   J2107 - J2108 - J2109 - J2110 - J2111 - J2112 - J2113 - J2114
         - J2115 - J2116 - J2117 - J2118 - J2119   J2121   J2123 - J2124 - J2125 - J2126
         - J2127 - J2128 - J2129 - J2130 - J2131 - J2132 - J2133 - J2134 - J2135 - J2136
         - J2137 - J2138   32139 - J2140 - J2141 - J2142 - J2143 - J2144   J2201   J2202
           J2204   J2207 - J2208   J2211   J2218 - J2219 - J2220 - J2221 - J2222 - J2223
         - J2224   J2226 - J2227 - J2228 - J2229 - J2230 - 32231   J2233 - 32234 - J2235
         - J2236 - J2237 - J2238 - J2239 - J2240 - J2241 - J2242   J2244 - J2245 - J2246
           J2301 - J2302   J2304 - J2305   J2308 - J2309 - J2310 - J2311   J2313 - J2314
         - J2315 - J2316 - J2317 - J2318 - J2319 - J2320 - J2321 - J2322 - J2323 - J2324
         - J2325 - J2326 - J2327 - J2320 - J2329 - J2336 - J2331   J2333 - J2334 - J2335
         - J2336 - J2337 - J2338 - 32339 - J2340 - J2341 - J2342 - J2343 - J2344 - J2345
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2217   J2332

504061   J2244   J2246

504864   J2222   J2234 - 32235   J2244 - J2245 - J2246

504066   J2222   J2234 - J2235

504067   J1337   J2234

504070   J2234   J2244 - J2245 - J2246

504071   J2222   J2244

504072   J1339   J2222   J2234 - J2235

504073   J2222   J2234

504074   J1323   J2222   J2233 - J2234 - J2235   J2244 - J2245 - J2246   J2301 - J2382
    - J2303

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2217

504075   J2234   J2244 - J2245 - J2246

504076   J1336   J2222   J2230   J2233 - J2234 - J2235   J2244 - J2245 - J2246

504077   J1208   J1217   J1219   J1242   J1244   J1313   J1320   J1323 - J1324 - J1325
    - J1326   J1333   J1335 - J1336   J1339 - J1340 - J1341 - J1342 - J1343 - J1344
    - J1345 - J1346   J2103 - J2104 - J2105   J2118   J2117 - J2118   J2121   J2125
      J2128   J2130   J2!32   J2134   J2136. - J2137 - J2138   J2201 - J2202 - J2203
    - J2204   J2214   J2218 - J2219 - J2220 - 32221 - J2222 - J2223 - J2224   J2229
    - J2230 - J2231   J2234 - J2235   J2237 - J2238   J2240 - J2241 - J2242 - J2243
    - J2244   J2301   J2304 - J2385   J2308

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2217

504100   J1334   J1340 - J1341   J1343   J2140   J2202   J2210   J2218 - J2219 - J2220
    - J2221 - J2222 - J2223 - J2224   J2227   J2229 - J2230 - J2231   J2233 - J2234
    - J2235   J2237 - J2238   J2240 - J2241 - J2242   J2244   J2301 - J2302   J2304
    - J2305   J2310   J2315   J2322   J2324   J2329   J2333   J2336 - J2337   J2339
    - J2340   J2342 - J2343 - J2344   J2346

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J2217

504101   J2234   J2245

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

504102   J2235 - J2236 - J2237 - J2238   J2240 - J2241 - J2242 - J32243 - J2244   J2246
            J2301

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2217

504107   J1313   J1337   J1340 - J1341   J2140   J2201   J2203 - J2204   J2211 - J2212
            J2218 - J2219   J2222 - J2223   J2234   J2237 - J2238   J2240   J2244   J2301
      - J2302   J2304 - J2305   J2308 - J2309   J2319   J2330 - J2331   J2333 - J2334
            J2337   J2339

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2217

504110   J2234   J2242

504112   J2182 - J2103 - J2104 - J2105   J2187   J2110 - J2111   J2113   J2116 - J2117
      - J2118 - J2119   J2121 - J2122 - J2123 - J2124   J2127   J2130 - J2131 - J2132
        J2134 - J2135 - J2136 - J2137 - J2130   J2140   J2143 - J2144   J2218   J2220
      - J2221   J2227   J2231   J2235   J2239   J2242 - J2243 - J2244

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2217

504114   J2104   J2283 - J2204   J2219   J2222 - J2223 - J2224   J2234 - J2235   J2237
      - J2238   J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2217

504116   J1325   J2125   J2221   J2229   J2231   J2233 - J2234 - J2235

504117   J1329   J2126

504120   J2234 - J2235

504122   J2234 - J2235

504123   J2125   J2220 - J2221   J2234 - J2235

504133   J2243

504141   J2234   J2246

504142   J2104   J2234 - J2235   J2242 - J2243

504144   J2235

504150   J2235

504160   J2104   J2235

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
504174     J2234 -  J2235

504200     J2104 -  J2105     J2108    J2110    J2115    J2118    J2120 - J2121 - J2122 - J2123
         - J2124 -  J2125 -  J2126    J2136    J2219    J2226 -  J2227 - J2228   J2231   J2239
           J2241    J2243

504201     J2104 -  J2105 -  J2106 -  J2107    J2109    J2113    J2115 - J2116 - J2117 - J2118
         - J2119 -  J2120 -  J2121 -  J2122 -  J2123 -  J2124 -  J2125 - J2126 - J2127 - J2128
         - J2129 -  J2130 -  J2131    J2133    J2136 -  J2137    J2214   J2218 - J2219   J2221
         - J2222 -  J2223 -  J2224 -  J2225 -  J2226 -  J2227 -  J2228 - J2229 - J2230 - J2231
           J2233    J2235 -  J2236 -  J2237    J2239 -  J2240 -  J2241

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J2217

504220     J1320    J2117 -  J2118    J2136

504221     J2121

504222     J2104 -  J2105

504223     J2105    J2121

504225     J2224

504226     J2119

504227     J2104    J2125    J2242

504231     J2101    J2105    J2121

504232     J2104 -  J2105    J2119

504233     J2107    J2116    J2121

504235     J2101    J2105    J2110 -  J2111    J2115    J2117    J2121   J2123   J2125   J2135
           J2239

504236     J2104 -  J2105    J2108 -  J2109    J2115   J2119  -  J2120   J2139   J2143   J2227
           J2239    J2243

504237     J2101 -  J2102 -  J2103 -  J2104 -  J2105 -  J2106 -  J2107 - J2108 - J2109 - J2110
         - J2111 -  J2112 -  J2113 -  J2114 -  J2115 -  J2116 -  J2117 - J2118 - J2119 - J2120
         - J2121 -  J2122 -  J2123 -  J2124 -  J2125 -  J2126 -  J2127 - J2128 - J2129 - J2130
         - J2131 -  J2132 -  J2133 -  J2134 -  J2135 -  J2136 -  J2137 - J2138 - J2139 - J2140
         - J2141 -  J2142    J2144    J2201 -  J2202    J2218 -  J2219 - J2220   J2222 - J2221
         - J2224 -  J2225    J2229 -  J2230 -  J2231    J2233    J2236 - J2237   J2239 - J2240
           J2242    J2244    J2346

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J2217
```

Change 2   2-369

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

STOP	CONNECTORS
504241	J2181 J2105 J2109 J2118 J2121
584242	J2104 - J2105 J2108
504243	J2181 J2105 J2107 J2109 J2111 J2115 J2121 J2224 - J2225 J2236
504244	J2101 J2105 - J2106 J2108 - J2109 J2111 J2113 J2117 - J2118 J2121 J2127 - J2128 J2131 J2135 J2137 - J2138 J2219 - J2220
504245	J2101 J2109 J2115 J2125 - 32126 - J2127
504247	J2115 J2120 J2124 J2128
504250	J2106 J2109
504254	J2101 J2103 - J2104 - J2105 - J2106 - J2107 - J2108 - J2109 J2111 - J2112 - J2113 - J2114 J2116 - J2117 - J2118 - J2119 J2121 J2127 J2131 - J2132 J2134 - J2135 - J2136 - J2137 J2140 J2143 J2219 J2243
504255	J2110 J2112 J2115 J2136
504256	J2101 J2108 - J2109 J2115
504257	J2101 J2108 - J2109 - J2110 J2112 J2115 - J2116 J2118 - J2119 - J2120 J2122 J2124 J2126 - J2127 - J2128 J2132 J2134 J2137 J2140
504262	J2118 - J2119 - J2120 J2123
504263	J2225
504266	J2104
504267	J2101 - J2102 - J2103 - J2104 J2107 J2113 J2130 J2140 J2220 - J2221 - J2222 J2225 J2228 - J2229 - J2230 - J2231 J2233 - J2234 - J2235 - J2236 - J2237 - J2238 J2242 - J2243 J2304 - J2305 J2308 - J2389 - J2310 - J2311
SUBSTITUTE	THE FOLLOWING CARD ASSEMBLIES: J2217
504272	J2111 J2113 J2117 J2228
504273	J2115 J2226
504276	J2102 J2104 - J2105 - J2106 - J2107 J2111 J2113 J2117 - J2118 J2120 - J2121 J2226
504277	J2228
504302	J2117 J2120 J2228
504303	J2106 J2111 J2113 J2117 - J2118 - J2119 J2122 J2140

Change 2 2-370

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
504312    J2123

504314    J1119     J2106  -  J2107    J2111     J2114  -  J2115  -  J2116  -  J2117  -  J2118  -  J2119
          J2132  -  J2133  -  J2134    J2137  -  J2130  -  J2139  -  J2140     J2218  -  J2219  -  J2220
       -  J2221     J2225  -  J2226    32228     J2230     J2240

504316    J2119

504317    J2107     J2111     J2118    J2226     J2228

504320    J!317  -  J1318  -  J1319  -  J1320    J2227     J2233     J2235     J2242

504341    J2125     J2219     J2227    J2236     J2242     J2244

504342    J2128     J2123     J2226  -  J2227    J2229     J2236     J2239     J2243  -  J2244  -  J2245
       -  J2246     J2318  -  J2319    J2330     J2341

504344    J2104     J2120     J2123    J2125     J2136     J2226  -  J2227  -  J2228    J2236     J2239
          J2242  -  J2243  -  J2244

504346    J1114     J2220  -  J2221    J2229     J2233     J2304

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1139

504350    J2239     J2243  -  J2244

504352    J2237     J2241  -  J2242    J2244

584360    J2104

584481    J2121     J2124     J2227    J2236     J2239     J2243     J2245  -  J2246

504402    J2115     J2121     J2126    J2226     J2228     J2239     J2245  -  J2246

504403    J1126     J2219     J2229    J2233     J2239

504404    J2122  -  J2123     J2226    J2228     J2246

504405    J2244

504407    J1127     J2107     J2113    J2219  -  J2220  -  J2221    J2229     J2233     J2239     J2241

504410    J2101     J2107     J2109    J2221     J2229     J2237  -  J2238  -  J2239  -  J2240  -  J2241
       -  J2242  -  J2243  -  J2244  -  J2245  -  J2246

504411    J2237  -  J2238  -  J2239    J2245  -  J2246

504412    J2238  -  J2239     J2241  -  J2242  -  J2243  -  J2244  -  J2245  -  J2246

504413    J2237     J2242  -  J2243
```

Change 2 2-371

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

504420   J2101 - 32102   J2104   J2106 - J2107 - J2108   J2110 - J2111 - J2112   J2115
      - J2116 - J2117 - J2118 - J2119 - J2120 - J2121 - J2122 - J2123   J2125 - J2126
         J2129 - J2130 - J2131 - J2132 - J2133 - J2134   J2136 - J2137 - J2138 - J2139
      - J2140   J2202 - J2203 - J2204   J2207   J2218 - J2219 - J2220 - J2221   J2225
      - J2226 - J2227 - J2228 - J2229 - J2238 - J2231   J2233   J2235 - J2236 - J2237
         J2239 - J2240 - J2241 - J2242   J2244 - J2245 - J2246   J2302   J2304 - J2305
         J2308 - J2309   J2311   J2313 - J2314 - J2315 - J2316 - J2317 - J2318   J2321
         J2325   J2329 - J2330 - J2331   J2334   J2339   J2341 - J2342   J2345

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2217   J2332

504421   J2110   J2117 - J2118   J2120   J2122   J2124 - J2125 - J2126   J2129   J2133
         J2135   J2138 - J2139 - J2140   J2143   J2220 - J2221   J2239   J2243   J2245

504422   J2101 - J2102   J2109   J2120   J2122   J2127   J2242   J2246

504423   J2143   J2243

504424   J2103   J2110   J2120   J2122   J2128   J2135 - J2136   J2225   J2242

504430   J2120   J2122

504431   J2122   J2141 - J2142   J2144

504435   J2127

504436   J2120   J2122   J2124   J2138

504437   J2120   J2122   J2124   J2126   J2133

504461   J2120 - J2121 - J2122

504462   J2120 - J2121 - J2122

504463   J2120   J2122

504464   J2120   J2122   J2125   J2129   J2135   J2139 - J2140   J2143   J2243   J2245
      - J2246

504466   J2139

504467   J2120   J2122   J2133   J2138 - J2139   J2219

504501   J2126   J2132   J2233 - J2234

504502   J2118   J2124   J2126   J2132   J2134   J2141 - J2142   J2144   J2225   J2242

504503   J2132   J2242 - J2243 - J2244

504504   J1126   J2110   J2124 - J2125 - J2126   J2130 - J2131   J2139   J2141 - J2142
      - J2143 - J2144   J2220 - J2221   J2225   J2233   J2240   J2243 - J2244   J2246

Change 2 2-372

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
584586      J2118      J2124    -  J2127  -  J2128      J2141  -  J2142      J2144

504518      J2101      J2103    -  J2104     J2107      J2110  -  J2111  -  J2112  -  J2113     J2115     J2118
            J2120      J2122       J2124    - J2125   - J2126  -  J2127  -  J2128  -  J2129  -  J2130  -  J2131
        -   J2132   -  J2133    -  J2134    - J2135     J2137  -  J2138  -  J2139     J2141  -  J2142     J2144
            J2201   -  J2202    -  J2203    - J2204     J2233     J2237  -  J2238     J2240     J2304   - J2305
            J2308   -  J2389

SUBSTITUTE   THE FOLLOWING CARD ASSEMBLIES:
             J2217

504512      J2141    -  J2142

504514      J2118      J2124    -  J2125    - J2126

504516      J2101      J2120       J2122      J2124      J2127      J2141      J2144

584521      J2122    -  J2123    -  J2124     J2129      J2138  -  J2139      J2226      J2245

504522      J2101      J2110       J2112    - J2113      J2118  -  J2119      J2124      J2126   -  J2127     J2129
        -   J2130      J2133       J2137    - J2138      J2140

504526      J2101      J2105       J2107    - J2108    - J2109  -  J2110  -  J2111  -  J2112  -  J2113     J2115
            J2120      J2124    -  J2125    - J2126    - J2127     J2130     J2133  -  J2134     J2137   - J2138
            J2140      J2144       32207      J2218      J2220  -  J2221  -  J2222     J2226  -  J2227     J2231
            J2233      J2239       J2302      J2305    - J2306  -  J2307  -  J2308  -  J2309  -  J2310   - J2311
            J2314   -  J2315    -  J2316      J2321    - J2322  -  J2323  -  J2324  -  J2325  -  J2326     J2330
        -   J2331      J2341       J2346

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J2332

504527      J2110

504530      J2109

504531      J2109      J2244

504532      J1121      J2119       J2126

504533      J2110      J2112       J2137      J2139

504535      2244

504536      J2118      J2219

504537      J2108    -  J2109       J2115      J2119    - J2120  -  J2121      J2123  -  J2124      J2126     J2133
            J2137    -  J2!38    -  J2139      J2141    - J2142     J2144      J2227      J2244

504541      J2107      J2113       J2219    - J2220    - J2221      J2227  -  J2228  -  J2229      J2233     J2241
```

Change 2   2-373

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP **CONNECTORS**

```
504542    J1122      J2104      32218  -  J2219  -  J2220  -  J2221  -  J2222      J2226  -  J2227      J2229
       -  J2230  -  J2231      J2234  -  J2235  -  J2236      J2240

504544    J2104      J2218      J2220  -  J2221  -  J2222      J2226      J2228      J2230  -  J2231      J2234
       -  J2235

504546    J1132      J2184      J2218  -  J2219  -  J2220  -  J2221  -  J2222      J2235

504550    J2218      J2220  -  J2221  -  J2222      J2226      J2238      J2234  -  J2235  -  J2236      J2240

504552    J2184      J2235

504554    J2114      J2129      J2132      J2218  -  J2219      J2223      J2229      J2241  -  J2242

504560    J2104      J2218      J2220  -  J2221  -  J2222      J2226      J2229      J2234  -  J2235

584562    J2104      J2218      J2228  -  J2221

504564    J1110      J2114      J2119      J2218      J2233

504570    J1120      J2184      J2218  -  J2219  -  J2220  -  J2221  -  J2222      J2226      J2229  -  J2230
       -  J2231      J2240

504574    J2234  -  J2235

504600    J1336      J2107      J2109  -  J2110  -  J2111  -  J2112  -  J2113  -  J2114  -  J2115  -  J2116
       -  J2117  -  J2118  -  J2119      J2127  -  J2128      J2133      J2135      J2137  -  J2138      J2140
          J2142      J2227      J2242

504601    J2125

584602    J2109      J2124  -  J2125  -  J2126      J2128      J2136

504684    J2123      J2127      J2219      J2240      J2242

504610    J2101      J2106      J2108  -  J2189      J2115      J2120      J2122  -  J2123  -  J2124  -  J2125
       -  J2126  -  J2127  -  J2128      J2130      J2135      J2141  -  J2142      J2!44

504620    J1134      J1336      J1340      J2181  -  J2102  -  J2103      J2105      J2107  -  J2108  -  J2109
       -  J2110  -  J2111  -  J2112  -  J2113  -  J2114      J2116  -  J2117  -  J2118  -  J2119  -  32120
       -  J2121  -  J2122  -  J2123  -  J2124  -  J2125  -  J2126  -  32127  -  J2128  -  J2129  -  J2130
       -  J2131  -  J2132  -  J2133  -  J2134  -  J2135  -  J2136  -  J2137  -  J2138  -  J2139  -  J2140
       -  J2141  -  J2142  -  J2143  -  32144      J2226  -  J2227      J2233      J2242  -  J2243  -  J2244

504621    J2142      J2144

504622    J2117      J2137      J2141  -  J2142  -  J2143  -  J2144      J2243

504624    J2117      J2148  -  J2141  -  J2142  -  J2143  -  J2144      J2243

504630    J2108  -  J2109      J2111      J2113      J2116  -  J2117      J2125      J2133      J2138      J2140
       -  J2141  -  J2142  -  J2143  -  J2144      J2241      J2243
```

Change 2 2-374

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

STOP	CONNECTORS										
504632	J2141	J2241									
504634	J2241										
504661	J2120	J2136	- J2137	J2139	J2141	J2144	J2233	J2240			
504662	J2122	J2136	J2141	- J2142							
504663	J2241										
504664	J2120	J2137	J2142	J2144							
504667	J2121	J2241									
504671	J2119	J2129									
504672	J2229	J2240									
504673	J2240										
504701	J2120	J2125	J2141	- J2142	32144						
504702	J2122	J2141									
504704	J2122	J2141	J2144								
504710	J2122										
504712	J2141	J2144									
504721	J2101	J2125	J2127	- J2128	J2141	- J2142					
504722	J2141	- J2142									
504724	J2141	- J2142									
504730	J2110	J2117	J2141	- J2142							
504737	J2101	J2113	J2117	J2123	J2125	J2127	- J2128	- J2129	J2141	- J2142	
504740	J2101	J2242	J2339								
504741	J2103	J2111	- J2112	J2114	J2239						
504742	J2102	- J2103	J2187	J2114	J2118	- J2119	J2139	J2143	J2227	J2243	
504744	J2226										
564750	J1120	J1124	J1127	- J1128	- J1129	J2107	J2110	- J2111	J2116	J2118	
	J2123	J2125	J2130	- J2131	- J2132	J2134	- J2135	J2137	- J2138	J2140	
	- J2141	- J2142	- J2143	- J2144	J2219	J2226	- J2227	- J2228	J2238	- J2239	

Change 2   2-375

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

	-	J2240		J2243	-	J2244		J2304	-	J2305		J2308				

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1123   J2217

504751		J1126		J2102	-	J2103		J2107		J2110	-	J2111	-	J2112		J2114		J2!27		J2139
504761		J2183		J2107	-	J2108	-	J2109		J2113	-	J2114	-	J2115	-	J2116		J2123		J2131
		J2324																		
504771		J1115		J1119		J1124		J1129		J2101	-	J2102	-	J2183	-	J2104	-	J2805	-	J2106
	-	J2107	-	J2108	-	J2109	-	J2118	-	J2111	-	32112	-	J2113	-	J2114	-	J2115	-	J2116
	-	J2117	-	J2118	-	J2119		J2123		J2130	-	J2131	-	J2132	-	J2!33	-	J2!34	-	J2135
	-	J2136	-	J2137	-	J2138	-	J2139		J2143		J2226	-	J2227	-	J2228	-	J2229	-	J2230
		J2233		J2239		J2243														

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2217

504773		J2103		J2239														
504776		J2103		J2116		J2119		J2131		J2138							
505300		J1130	-	J1131		J1134	-	J1135		J1144	-	J1145		J1147			
505301		J1130	-	J1131		J1145	-	J1146	-	J3!47							
505312		J1147	-	J1148													

505313		J1131		J1134	-	J1135		J1140	-	J1141	-	J1142	-	J1143	-	JI144	-	J1145		J1147
	-	J1148																		
505315		J1131		J1134	-	J1135		J1140	-	J1141	-	J1142	-	J1143	-	J1144	-	J1145		J1147
	-	J1148																		
505316		J1131		J1134	-	J1135		J1140	-	J1141	-	J1142	-	J1143	-	J1144	-	J1145		J1147
	-	J1148																		
505317		J1131		31134	-	J1135		J1140	-	J1141	-	J1142	-	J1143	-	J1144	-	J1145		1147
	-	J1148																		
505320		J1131		J1134	-	J1135		J1140	-	J1141	-	J1142	-	J1143	-	J1144	-	J1145		J1147
	-	J1148																		
505321		J1131		J1134	-	J1135		J1140	-	J1141	-	J1142	-	J1143	-	J1144	-	J1145		J1147
	-	J1148																		
505322		J1131		J1134	-	J1135		J1140	-	J1141	-	J1142	-	J1143	-	J1144	-	J1145		J1147
	-	J1148																		
505323		J1131		J1134	-	J1135		J1140	-	J1141	-	J1142	.-	J1143	-	J1144	-	J1145		J1147
	-	J1148																		

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

505325	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505326	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505327	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505330	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505331	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505332	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505333	J1131 - J1148	J1134	- J1135	J1140	- J31141	- J1142	- J1143	- J1144	- J1145	J1147
505335	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505336	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505337	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
505340	J1131 - J1148	J1134	- J1135	J1140	- J1141	- J1142	- J1143	- J1144	- J1145	J1147
506003	J2206									
506012	J1118 J2304	J1335 J2306	J1337 - J2387	J2125	J2205 - J2206	J2211	J2213 - J2214	J2301		
506014	J2201 - J2282 - - J2213 - J2214 - J2303 - J2384 -	J2203 - J2218 - J2385 -	J2284 - J2219 - J2306	J2205 - J2220 J2308 -	J2206 - J2222 J2389 -	J2207 - J2227 J2310 -	J2208 J2228 J2311	J2211 - J2301 -	J2212 J2302		

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2217   J2332

| 506015 | J2201 - J2202 - - J2212 - J2213 - | J2203 - J2214 | J2204 - J2301 | J2205 - J2303 | J2206 - J2306 | J2207 - J2310 | J2208 - | J2209 | J2211 | |

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2332

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
506016      J2203      J2205  -  J2206  -  J2207  -  J2208  -  J2209  -  J2210  -  J2211      J2213      J2306
        -   J2307

506017      J2104      J2203  -  J2204      J2207  -  J2208  -  J2209      J2211      J2213  -  J2214      J2226
            J2228  -  J2229      J2234  -  J2235  -  J2236  -  J2237  -  J2238      J2240  -  J2241  -  J2242
        -   J2243      J2301  -  J2302      J2306      J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2217      J2332

506020      J2101      J2103  -  J2104      J2130      J2233      J2237  -  J2238      J2303  -  J2304  -  J2305
            J2308  -  J2309  -  J2310  -  J2311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2217
506821      J2303

506026      J1109      J2202  -  J2203  -  J2204  -  J2205  -  J2206  -  J2207  -  J2208      J2301  -  J2302
        -   J2303      J2306      J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2217

506027      J2310

506030      J2208      J2214      J2303  -  J2384

506031      J2283  -  J2204  -  J2205  -  J2206  -  J2207  -  J2208      J2211  -  J2212      J2214

506032      J2205  -  J2206  -  J2207  -  J2208  -  J2209  -  J2210      J2214      J2310

506033      J2204      J2207  -  J2208  -  J2209  -  J2210      J2214      J2301      J2310

506035      J2303

506042      J1109      J2125      J2201  -  J2202  -  J2203  -  J2204      J2207  -  J2208  -  J2209      J2211
            J2213  -  J2214      J2303      J2306  -  J2307

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2332

506044      J2214

506045      J2203  -  J2204  -  J2205  -  J2206  -  J2207  -  J2208      J2211  -  J2212      J2214      J2301

506046      J2140      J2201  -  J2202  -  J2203  -  J2204      J2214      J2218  -  J2219      J2222  -  J2223
        -   J2224      J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2217
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

506047   J2201 - J2202 - J2203 - J2204 - J2205   J2208 - J2209   J2214   J2310

506053   J2134   J2137 - J2138 - J2139 - J2140   J2201 - J2202 - J2203 - J2204   J2207
             J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2217

506054   J2104   J2203 - J2204   J2219   J2222 - J2223 - J2224   J2234 - J2235   J2237
    - J2238   J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2217

506055   J2201 - J2202   J2204   J2207   J2306

506056   J2125   J2201 - J2202   J2207   J2303   J2306 - J2307

506060   J1111   J1117 - J1118   J1327   J1333 - J1334   J1336 - J1337 - J1338 - J1339
         J2205 - J2206

506061   J2205

506062   J2303   J2306

506065   J1112   J1114   J1117   J1131   J1336 - J1337   J2205 - J2206   J2211   J2213
    - J2214   J2301 - J2302 - J2303 - J2304   J2306 - J2307 - J2308 - J2309

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2332

506066   J1334 - J1335 - J1336   J1339   J2203 - J2204 - J2205 - J2206 - J2207 - J2208
    - J2209 - J2210 - J2211 - J2212   J2301   J2303 - J2304   J2307

506074   J2202 - J2203 - J2204 - J2205 - J2206 - J2207 - J2208 - J2209 - J2210 - J2211
    - J2212   J2214   J2301 - J2302 - J2303   J2305   J2310

506102   J1126 - J1127 - J1128   J2201 - J2202   J2205 - J2206 - J2207   J2209 - J2210
    - J2211 - J2212   J2214   J2218 - J2219 - J2220   J2222   J2228   J2233   J2303
       J2311   J2315   J2318 - J2319   J2322 - J2323 - J2324 - J2325 - J2326   J2329
    - J2330   J2333   J2336 - J2337   J2339 - J2340 - J2341 - J2342 - J2343 - J2344
       J2346

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2217

506103   J1128   J2201 - J2202   J2205 - J2206 - J2207 - J2208 - J2209 - J2210 - J2211
    - J2212 - J2213 - J2214   J2233   J2301 - J2302 - J2303 - J2304 - J2305 - J2306
       J2308 - J2309 - J2310   J2337   J2339   J2342 - J2343 - J2344   J2346

506104   J1120   J1128   J1335   J1337   J2201 - J2202 - J2203 - J2204 - J2205 - J2206
    - J2207 - J2208 - J2209 - J2210 - J2211 - J2212 - J2213 - J2214   J2233   J2301

Change 2   **2-379**

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
         -  J2302  -  J2303  -  J2304  -  J2305  -  J2306  -  J2307  -  J2308  -  J2309  -  J2310      J2315
            J2324     2336       J2339     J2342  -  J2343  -  J2344     J2346

506105      J2286     J2209  -  J2210     J2233     J2342

506106      J1112     J1118     J1126  -  J1127  -  J1128     J1320     J2202  -  J2203     J2205  -  J2206
         -  J2207     J2209  -  J2210  -  J2211  -  J2212     J2231     J2233  -  J2234  -  J2235     J2241
         -  J2242     J2303  -  J2304  -  J2305     J2308  -  J2309     J2311  -  J2312  -  J2313  -  J2314
         -  J2315  -  J2316  -  J2317  -  J2318  -  J2319  -  J2320  -  J2321  -  J2322  -  J2323  -  J2324
         -  J2325  -  J2326     J2328  -  J2329  -  J2330  -  J2331     J2333  -  J2334  -  J2335  -  J2336
         -  J2337  -  J2338  -  J2339  -  J2340  -  J2341  -  J2342     J2344  -  J2345  -  J2346

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2332
506107      J2206     J2209

506110      J2211

506111      J2202     J2204     J2206  -  J2207     J2212     J2302     J2304     J2306  -  J2307  -  J2308
            J2310

506113      J2308     J2320

506114      J2125     J2201  -  J2202     J2205  -  J2206     J2208  -  J2209     J2211     J2301     J2303
         -  J2304     J2306  -  J2307     J2309

506115      J1127  -  J1128     J1130     J2206     J2209  -  J2210  -  J2211  -  J2212  -  J2213     J2383
         -  J2304     J2310  -  J2311  -  J2312     J2317     J2320  -  J2321  -  J2322     J2333     J2339
            J2341

506116      J2202     J2204  -  J2285  -  J2206  -  J2207  -  J2208     J2211  -  J2212  -  J2213  -  J2214
            J2301  -  J2302  -  J2303     J2305  -  J2386  -  J2307     J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2332

506117      J2202  -  J2203  -  J2204  -  J2205  -  J2206  -  J2207  -  J2208  -  J2209     J2211  -  J2212
         -  J2213  -  J2214     J2301     J2303     J2306     J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2332

506120      J2205  -  J2206  -  J2207  -  J2208  -  J2209  -  J2210     J2212     J2214     J2301     J2303

506121      J1334     J1336     J2203  -  J2204  -  J2205  -  J2206  -  J2207  -  J2208  -  J2209  -  J2210
         -  J2211     J2213  -  J2214     J2303     J2306     J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2332

506122      J2202
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

506123   J2302

506124   J2205

506126   J2104   J2203   J2226   J2228 - J2229   J2234 - J2235 - J2236 - J2237 - J2238
        J2240 - J2241 - J2242 - J2243 - J2244   J2301 - J2302

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2217

506130   J2101   J2103 - J2104   J2130   J2202 - J2203 - J2204 - J2205 - J2206   J2233
        J2237 - J2238   J2240   J2244 - J2245 - J2246   J2301 - J2302 - J2303 - J2384
    - J2305   J2308 - J2309 - J2310 - J2311

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2217

506131   J1118   J2202 - J2203 - J2204 - J2205 - J2206 - J2207 - J2208 - J2209 - J2210
    - J2211   J2213   J2301 - J2302 - J2303   J2305 - J2306 - J2307   J2310

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2332

506132   J2214   J2303 - J2304

506144   J2201 - J2202 - J2203 - J2204   J2306

506145   J2304

506147   J2201   J2203 - J2204   J2206   J2303

506150   J2201 - J2202 - J2203 - J2284

506151   J2202 - J2203 - J2204

506157   J2207

506160   J2201 - J2202   J2207   J2306

506161   J2201   J2203 - J2204   J2207   J23086

506162   J1108   J1111 - J1112   J1117 - J1118   J1247   J1333 - J1334 - J1335 - J1336
    - J1337 - J1338 - J1339   J2203   J2205 - J2206   J2211   J2213   J2306 - J2307

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2204   J2310

506163   J1333   J2203 - J2204   J2206 - J2207 - J2208   J2211   J2213   J2306 - J2307

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2332

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
506167    J1336 - J1337    J2205 - J2206   J2209 - J2210   J2214    J2219    J2227    J2238
          J2242   J2301 - J2302 - J2303 - J2304   J2306 - J2307

506170    J1336 - J1337    J1339   J2203 - J2204 - J2205 - J2206 - J2207 - J2208 - J2209
        - J2210 - J2211 - J2212   J2214   J2301 - J2302 - J2303 - J2304   J2307   J2310

506171    J2203 - J2204 - J2205 - J2206   J2208   J2210 - J2211 - J2212   J2214   J2302

506175    J1340   J2205 - J2206   J2208   J2238   J2301 - J2302   J2310

506176    J2202 - J2203 - J2204 - J2205 - J2206 - J2207 - J2208 - J2209 - J2210 - J2211
        - J2212   J2214   J2301 - J2302 - J2303   J2305 - J2306   J2310

506177    J2203 - J2204   J2210   J2214

506200    J2203 - J2204   J2208 - J2209 - J2210 - J2211 - J2212   J2302 - J2303   J2306

506214    J1109 - J1110 - J1111 - J1112   J1114 - J1115 - J1116 - J1117 - J1118   J1129
          J1131   J1133   J1137   J1144   J1147 - J1148   J1205   J1208   J1217   J1219
          J1222   J1233   J1242   J1244   J1247   J1313   J1320   J1323   J1325   J1336
        - J1337   J1340 - J1341   J1343   J2101   J2103 - J2104 - J2105   J2110   J2117
        - J2118   J2121   J2127 - J2128   J2130 - J2131   J2136 - J2137 - J2138   J2201
        - J2202 - J2203 - J2284 - J2205 - J2206 - J2207 - J2209   J2210 - J2211 - J2212
        - J2213 - J2214   J2219 - J2220 - J2221 - J2222 - J2223 - J2224   J2227   J2229
        - J2230 - J2231   J2233 - J2234 - J2235 - J2236 - J2237 - J2238   J2240 - J2241
        - J2242 - J2243 - J2244 - J2245 - J2246   J2301 - J2302 - J2303 - J2304 - J2305
        - J2306 - J2307 - J2308 - J2309 - J2310 - J2311 - J2312 - J2313 - J2314 - J2315
        - J2316 - J2317 - J2318 - J2319 - J2320 - J2321 - J2322 - J2323 - J2324 - J2325
        - J2326 - J2327 - J2328 - J2329 - J2330 - J2331   J2333 - J2334 - J2335 - J2336
        - J2337 - J2338 - J2339   J2341 - J2342 - J2343 - J2344 - J2345 - J2346

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1123   J1149   J2217   J2332
506215    J1108 - J1109 - J118I - J1111   J1114   J1116 - J1117 - J1118   J1120
        - J1121   J1122   J1126 - J1127 - J1128 - J1129 - J1130 - J1131 - J1132 - J1133
        - J1134   J1138   J1143   J1222   J1246 - J1247   J1310 - J1311 - J1312 - J1313
        - J1314 - J1315 - J1316 - J1317 - J1318 - J1319 - J1320 - J1321 - J1322   J1324
          J1326 - J1327   J1330   J1332 - J1333 - J1334   J1336 - J1337 - J1338 - J1339
        - J1340 - J1341 - J1342   J2118   J2125   J2131   J2136   J2201 - J2202 - J2203
        - J2204 - J2205 - J2206 - J2207 - J2208 - J2209 - J2210 - J2211 - J2212 - J2213
        - J2214   J2219   J2221 - J2222 - J2223 - J2224 - J2225   J2229 - J2230   J2234
        - J2235   J2237 - J2238   J2240 - J2241 - J2242   J2244   J2301 - J2302 - J2303
        - J2304 - J2305 - J2306 - J2307 - J2308   J2310   J2329   J2334   J2337   J2345

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1123   J1139   J2217   J2332

506216    J1108 - J1109 - J1110 - J1111 - J1112   J1114 - J1115 - 11J16   J1118 - J1119
        - J1120 - J1121   J1124 - J1125 - J1126 - J1127 - J1128 - J1129   J1131 - J1132
          J1135   J1137 - J1138   J1208   J1214   J1222   J1233   J1247   J1317   J1319
          J1323 - J1324 - J1325   J1330   J1333 - J1334 - J1335 - J1336   J1338 - J1339
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS IOU OFF CPU OFF
DIAGNOSE STATUS IOU OFF CPU OFF

STOP   **CONNECTORS**

```
        -  J1340  -  J1341  -  J1342  -  J1343  -  J1344  -  J1345  -  J1346     J2207  -  J2200     J2212
           J2241     J2301  -  J2302     J2304  -  J2305     J2307  -  J2308  -  J2309  -  J2310  -  J2311
        -  J2312  -  J2313  -  J2314  -  J2315     J2317  -  J2318  -  J2319  -  J2320  -  J2321  -  J2322
        -  J2323  -  J2324  -  J2325  -  J2326  -  J2327  -  J2328  -  J2329  -  J2330  -  J2331     J2333
        -  J2334  -  J2335  -  J2336  -  J2337  -  J2338  -  J2339  -  J2340  -  J2341  -  J2342  -  J2343
        -  J2344  -  J2345
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J2332

```
506217     J1323  -  J1324     J1330     J1336     J1339  -  J1340     J2218     J2221     J2227     J2315
           J2317     J2319  -  J2320     J2322     J2324     J2327     J2331     J2333     J2337  -  J2338
           J2340  -  J2341     J2344  -  J2345  -  J2346

506220     J1109     J1112     J1116     J1118  -  J1119     J1121  -  J1122     J1128     J1130     J1132
           J1134     J2330     J2341

506221     J1108     J1113     J1120  -  J1121  -  J1122     J1126     J1128     J1130  -  J1131  -  J1132
           J1134     J2303     J2330

506302     J1323     J2136

506304     J1112     J1119  -  J1120  -  J1121  -  J1122     J1210     J1228     J1235     J2241

506307     J1220     J2125

506311     J1112     J1323  -  J1324

506322     J1116     J1120     J1145     J1315     J1323  -  J1324  -  J1325     J1337     J1343     J2119
           J2125  -  J2126     J2241     J2331     J2341
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J2216

```
506323     J1140  -  J1141  -  J1142  -  J1143  -  J1144  -  J1145     J1228

506324     J1140  -  J1141  -  J1142  -  J1143  -  J1144  -  J1145     J1228

506325     J1142  -  J1143  -  J1144  -  J1145
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J2216

```
506326     J1142  -  J1143  -  J1144  -  J1145

506327     J1142  -  J1143  -  J1144  -  J1145

506330     J1142  -  J1143     J1146

506331     J1143

506332     J1110     J1112     J1130     J1132     J1142  -  J1143
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

506333   J1213 - J1214   J1218   J1222   J1228

506314   J1205   J1210   J1213 - J1214 - J1215 - J1216 - J1217 - J1218 - J1219 - J1220
    - J1221 - J1222   J1224   J1228   J1230

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1123   J1139

506335   J1140 - J1141   J1148   J2307

506336   J1140   J1147 - J1148   J1222

506344   J2314 - J2315   J2318   J2326 - J2327 - J2328 - J2329 - J2330   J2335   J2341

506350   J1110 - J1111   J1119   J1121 - J1122   J1125   J1130   J1132 - J1133   J1138
    J1140 - J1141 - J1142 - J1143 - J1144   J1228   J2125   J2341   J2346

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1123

506351   J1108   J1205 - J1206 - J1207 - J1208 - J1209   J1213   J1222   J1228   J1230
    J1233   J1238 - J1239   J1243 - J1244   J1247

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1123

506352   J1208   J1213 - J1214   J1218 - J1219   J1228   J2334

506353   J1323   J1325

586355   J1346

506356   J1341   J1344

506370   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2216

506400   J1189   J1111   J1114 - J1115 - J1116   J1118 - J1119 - J1120   J1124

506410   J1323   J1325

506461   J1144 - J1145   J1222   J1333   J1337   J2119   J2136   J2214   J2312   J2314
    - J2315 - J2316   J2318 - J2319 - J2320 - J2321 - J2322 - J2323 - J2324 - J2325
    - J2326 - J2327 - J2328 - J2329 - J2330 - J2331   J2333   J2335 - J2336 - J2337
    - J2338 - J2339 - J2340 - J2341

SUBSTITUTE THE FOLLOWJING CARD ASSEMBLIES:
    J2332

506475   J1140 - J1141 - J1142 - J1143 - J1144 - J1145

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
506476    J1135  -  J1136    J1140  -  31141  -  J1142  -  J1143  -  J1144  -  J1145  -  J1146  -  J1147
          J1228     J1326

506477    J1140  -  J1141    J1143

507014    J1307  -  J1308    J1312    J1321  -  J1322

507015    J1316

507016    J3120     J1304    J1311    J1315    J1317  -  J1318    J1320    J1323  -  J1324    J1326
          J1332  -  J1333    J1339  -  J1340    J1342  -  J1343  -  J1344

507020    J1312     J1317    J1333  -  J1334    J1336    J1338  -  J1339

507021    J1312     J1329  -  J1330    J1332  -  J1333  -  J1334    J1336    J1338    J1341

507022    J1306     J1311  -  J1312    J1314  -  J1315  -  J1316    J1334    J1336    J1338    J1341

507023    J1312     J1329  -  J1330    J1333  -  J1334    J1336  -  J1337  -  J1338

507024    J1312     J1334    J1337  -  J1338    J1341

507025    J1312     J1334    J1337  -  J1338    J1341

507026    J1312     J1335    J1337  -  J1338  -  J1339    J1341

507027    J1312     J1335    J1338  -  J1339    J1341

507031    J1112     J1308    J1311  -  J1312    J1315  -  J1316  -  J1317  -  J1318  -  J1319  -  J1320
        - J1321  -  J1322  -  J1323  -  J1324  -  J1325    J1330    J1332    J1334  -  J1335  -  J1336
        - J1337  -  J1338    J1341  -  J1342  -  J1343  -  J1344

507032    J1238  -  J1239  -  J1240    J1242  -  J1243    J1246    J1306    J1308  -  J1309    J1311
        - J1312    J1314  -  J1315  -  J1316    J1321  -  J1322  -  J1323  -  J1324  -  J1325  -  J1326
        - J1327  -  J1328    J1330    J1332  -  J1333  -  J1334  -  J1335  -  J1336    J1330  -  J1339
        - J1340  -  J1341    J1344  -  J1345

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1139

507033    J1111  -  J1112    J1114    J1116  -  J1117  -  J1118  -  J1119  -  J1120  -  31121  -  J1122
          J1124  -  J1125    J1208    J1212    J1216    J1228    J1237    31239  -  J1240  -  J1241
        - J1242  -  J1243    J1246  -  J1247    J1304  -  J1305  -  J1306  -  J1307  -  J1308  -  J1309
          J1311  -  J1312  -  J1313  -  J1314  -  J1315  -  J1316  -  J1317  -  J1318  -  J1319  -  J1320
        - J1321  -  J1322  -  J1323  -  J1324  -  J1325  -  J1326  -  J1327  -  J1328  -  J1329  -  J1330
          J1332  -  J1333  -  J1334  -  J1335  -  J1336    J1338  -  J1339  -  J1340  -  J1341  -  J1342
        - J1343  -  J1344    J2241

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1113     J1123     J1139     J1227

507034    J1108  -  J1109  -  J1110  -  J1111  -  J1112    J1114  -  J1115  -  J11i6  -  J1117  -  J1118
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
        -  J1119  -  J1120  -  J1121  -  J1122     J1124  -  J1125  -  J1126  -  J1127  -  J1128  -  J1129
        -  J1130  -  J1131  -  J1132  -  J1133  -  J1134  -  J1135  -  J1136     J1138     31142  -  J1143
        -  J1144     J1148     J1207  -  J1208     J1212  -  J1213     J1215     J1217     J1219     J1221
           J1224     J1228     J1232     J1237  -  J1238     J1244     J1325     J1334  -  J1335     J1337
        -  J1338     J1344  -  J1345  -  J1346     J2323
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1123   J1139   J1227

```
507035     J1307     J1311     J1315     J1318  -  J1319  -  J1320  -  J1321     J1323  -  J1324  -  J1325
        -  J1326     J1328     J1332     J1334     J1337     J1339     J1342  -  J1343

507036     J1306     J1312  -  J1313     J1320     J1322  -  J1323  -  J1324     J1329  -  J1330     J1334
           J1336  -  J1337  -  J1338  -  J1339  -  J1340  -  J1341  -  J1342  -  J1343  -  J1344
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2216

```
507037     J1306     J1315     J1317  -  J1318     J1327  -  J1328  -  J1329  -  J1330     J1332  -  J1333
           J1335     J1342     J1344  -  J1345

507040     J1112     J1125     J1140  -  J31141    J1304  -  J1305     J1387     J1310  -  J1311  -  J1312
        -  J1313  -  J1314  -  J1315  -  J1316  -  J1317  -  J1318  -  J1319  -  J1320  -  J1321  -  J1322
        -  J1323  -  J1324  -  J1325  -  J1326  -  J1327  -  J1328     J1330     J1332  -  J1333  -  J1334
           J1336  -  J1337  -  J1338  -  J1339  -  J1340  -  J1341  -  J1342  -  J1343  -  J1344  -  J1345
        -  J1346     J2305     J2308  -  J2309     J2311     J2313  -  J2314  -  J2315  -  J2316     J2318
        -  J2319  -  J2320  -  J2321  -  J2322  -  J2323  -  J2324  -  J2325     J2329  -  J2330  -  J2331
           J2333  -  J2334  -  J2335     J2337  -  J2338  -  J2339     J2341  -  J2342  -  J2343  -  J2344
           J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J2332

```
507041     J1316     J1323

507042     J1321  -  J1322

507044     J1136     J1246  -  J1247  -  J1248     J1339     J1345  -  J1346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1139

```
507045     J1314     J1319     J1323     J1332

507046     J1240     J1242  -  J1243     J1305     J1307     J1311     J1313  -  J1314  -  J1315  -  J1316
        -  J1317  -  J1318  -  J1319     J1321     J1323     J1325  -  J1326     J1328  -  J1329  -  J1330
           J1332  -  J1333     J1336  -  J1337  -  J1338  -  J1339
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1139

```
507047     J1141     J1224     J1232     J1237  -  J1238  -  J1239  -  J1240     J1242  -  J1243     J1246
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
          J1364     J1307     J1311     J1313  -  J1314  -  J1315  -  J1316  -  J1317  -  J1318  -  J1319
      -   J1320  -  J1321  -  J1322  -  J1323     J1325  -  J1326  -  J1327  -  J1328  -  J1329  -  J1330
          J1332  -  J1333     J1335  -  J1336  -  J1337  -  J1338  -  J1339
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1139

```
507050    J1344  -  J1345  -  J1346
```

```
507051    J1130     J1133     J1137  -  31139     J1228     J1312  -  J1313     J1315     J1317  -  J1318
      -   J1319     J1323  -  J1324  -  J1325     J1329  -  J1330     J1332     J1335  -  J1336     J1338
      -   J1339     J1341  -  J1342  -  J1343  -  J1344  -  J1345  -  J1346     J2245  -  J2246     J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1149

```
507052 J1240  J1242     J1304     J1311  -  J1312     J1314  -  J1315     J1318  -  J1319     J1323
      -   J1324  -  J1325     J1336  -  J1337  -  J1338     J1342  -  J1343  -  Ji344  -  J1345  -  J1346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2216

```
507053    J1335     J1337     J1342     J1344  -  J1345  -  J1346
```

```
507054    J1306     J1311     J1316     J1337     J1339     J1344  -  J1345  -  J1346
```

```
507055    J1324     J1337     J1344  -  J1345  -  J1346
```

```
507056    J1312     J1337     31344  -  J1345  -  J1346
```

```
507057    J1339     J1344  -  J1345  -  J!346
```

```
507061    J1313     J1317  -  J1318  -  J1319  -  J1320     J1332     J1341     J1343
```

```
507062    J1320     J1332     J1339     J1341  -  J1342  -  J1343
```

```
507063    J1109     J1112     J1208     J1217     J1219     J1233     J1242     J1244     J1313     J1317
      -   J1318  -  J1319  -  J1320     J1332     J1341     J1343     J1346     J2136     J2221     J2241
          J2302     J2304  -  J2305     J2308  -  J2309     J2311  -  J2312  -  J2313  -  J2314  -  J2315
      -   J2316  -  J2317  -  J2318  -  J2319  -  J2320  -  J2321  -  J2322  -  J2323  -  J2324  -  J2325
      -   J2326  -  J2327     J2329  -  J2330  -  J2331     J2333  -  J2334     J2336  -  J2337  -  J2338
      -   J2339  -  J2340  -  J2341  -  J2342  -  J2343  -  J2344  -  J2345  -  J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2332

```
507064    J1320     J1341     J1343     J2220  -  J2221     J2229     J2233     J2241  -  J2242
```

```
507065    J1320     J1341     J1343
```

```
507066    J1112     J1315     J1320     J1325     J1332     J1341  -  J1342  -  J1343
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

STOP										
507070	J1312	J1329	J1333	J1336	J1345	-	J1346			
507071	J1330	J1333	J1336	J1338	-	J1339	J1345	-	J1346	
507072	J1336	J1345	-	J1346						
507073	J1312	J1337	J1345	-	J1346					
507074	J1337	J1345	-	J1346						
507075	J1337	J1345	-	J1346						
507076	J1337	J1345	-	J1346						
507077	J1339	J1345	-	J1346						
507100	J1334	J1336	J1338							
507101	J1314	J1318	J1326	J1334	J1336					
507102	J1314	J1317	J1325	-	J1326	J1334	J1336			
507103	J1314	J1318	J1325	J1334	J1337	-	J1338			
507185	J1141	J1312	J1315	J1322	J1334	J1337	-	J1338	J2234	
507106	J1141	J1316	J1335	J1339	J2234					
507107	J1141	J1312	J1316	J1322	J1335	J1338	-	J1339	J2234	
507110	J1336									
507111	J1314	J1317	J1336							
507112	J1314	J1336								
507113	J1314	J1319	J1337							
507115	J1316	J1337	-	J1338						
507116	J1316	J1339								
507117	J1316	J1338	-	J1339						
507120	J1332									
507121	J1321									
507124	J1325									
507131	J1326									

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

507135   J1326

507137   J1326

507146   J1323   J1327

507147   J1333

507160   J1315   -   J1316   J1318   -   J1319   J1329   J1333   J1336   -   J1337   J1339

507170   J1140   J1315   -   J1316   J1326   -   J1327   J1332   -   J1333   -   J1334   J1336   J1338
          -   J1339   J2235

507171   J1140   J1315   -   J1316   J1334   J1336   J2235

507172   J1140   J1316   J1334   J1336   J2235

507173   J1140   J1316   J1334   J1336   J2235

507174   J1141   J1312   J1316   J1322   J1334   J1337   -   J1338   J2234

507175   J1334   J1337

507176   J1335   J1337

507177   J1333   J1335   J1339

507221   J1108   J1110   J1114   J1117   -   J1118   -   J1119   -   J1128   J1124   J1129   J1330
          J2207   -   J2208   J2241   J2308   -   J2389   -   J2310   -   J2311   -   J2312   -   J2313   -   J2314
          -   J2315   -   J2316   -   J2317   -   J2318   -   J2319   -   J2328   -   J2321   -   J2322   -   J2323   -   J2324
          -   J2325   -   J2326   -   J2327   -   J2328   -   J2329   -   J2330   -   J2331   J2333   -   J2334   -   J2335
          -   J2336   -   J2337   -   J2338   -   J2339   -   J2340   -   J2341   -   J2342   -   J2343   -   J2344   -   J2345
          -   J2346

SUBSTITUTE THE FOLLOWING CARP ASSEMBLIES:
          J2332

567301   J1338   J1334   J1336   J1339   -   J1340   -   J1341   -   J1342   -   J1343   -   J1344   -   J1345
          -   J1346

507302   J2317

587305   J1324   J1327   J1339   J1342   -   J1343   -   J1344

567403   J1330   J2330   -   J2331   J2341   -   J2342

587455   J1108   J1114   J1119   J1131   J1222   J1313   J1320   J2312   J2317   J2321
          J2325   J2341   -   J2342   J2344   -   J2345

507456   J1323   -   J1324   J1334   J1336   J1338   J1340   -   J1341   J1343

507460   J2331

Change 2   2-389

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
507463      J1336      J2312      J2315  -  J2316      J2319  -  J2320  -  J2321      J2341

507464      J1109      J1317      J2207      J2304  -  J2305      J2307  -  J2308  -  J2309      J2311  -  J2312
        -   J2313  -  J2314  -  J2315  -  J2316  -  J2317  -  J2318  -  J2319  -  J2320  -  J2321  -  J2322
        -   J2323  -  J2324  -  J2325  -  J2326  -  J2327  -  J2329  -  J2330  -  J2331      J2333      J2334
        -   J2335  -  J2336  -  J2337  -  J2338  -  J2339  -  J2340  -  J2341  -  J2342  -  J2343  -  J2344
        -   J2345  -  J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J2332

```
507500      J1110      J1115  -  J1116      J1119  -  J1120      J1130  -  J1131      J1336  -  J1337      J2311
        -   J2312      J2314  -  J2315  -  J2316  -  J2317      J2319  -  J2320      J2324  -  J2325  -  J2326
        -   J2327  -  J2328  -  J2329  -  J2330      J2334  -  J2335      J2339      J2341
507501      J1108      J1111  -  J1112      J1114      J1120      J1122      J1125      J1130      J1315      J1323
        -   J1324      J1337  -  J1338  -  J1339  -  J1340      J2136      J2218      J2221      J2241  -  J2242
        -   J2243      J2311  -  J2312      J2315  -  J2316  -  J2317  -  J2318  -  J2319  -  J2320  -  J2321
            J2323  -  J2324      J2326  -  J2327  -  J2328  -  J2329  -  J2330      J2334  -  J2335      J2339
            J2341

507502      J2341

507503      J2318      J2327  -  J2328  -  J2329      J2333  -  J2334      J2336  -  J2337      12339  -  J2340
            J2344      J2346

507504      J1108  -  J1109  -  J1110  -  J1111  -  J1112      J1120  -  J1121  -  J1122      J1127  -  J1128
        -   J1129      J1131      J1247      J1304      J1313      J1323      J1329      J1333      J1336  -  J1337
            J1340      J2107      J2121      J2127      J2134  -  J2135      J2212      J2214      J2218      J2227
        -   J2228  -  J2229      J2236      J2305      J2311  -  J2312  -  J2313  -  J2314      J2316  -  J2317
        -   J2318      J2320  -  J2321  -  J2322  -  J2323  -  J2324  -  J2325  -  J2326  -  J2327  -  J2328
        -   J2329  -  J2330  -  J2331      J2333  -  J2334  -  J2335  -  J2336  -  J2337      J2339  -  J2340
        -   J2341      J2343  -  J2344      J2346
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1123   J2332

```
507505      J2327  -  J2328  -  J2329      J2335

507510      J1116      J2127      J2134      J2212      J2218      J2228      J2309      J2312  -  J2313  -  J2314
            J2323  -  J2324      J2326      J2335      J2343      J2346

507511      J1112      J2209      J2311  -  J2312  -  J2313  -  J2314      J2316  -  J2317  -  J2318  -  J2319
            J2321  -  J2322  -  J2323  -  J2324  -  J2325  -  J2326  -  J2327      J2329  -  J2330  -  J2331
            J2333      J2335  -  J2336      J2339      J2341      J2343  -  J2344

507513      J2312  -  J2313  -  J2314      J2317  -  J2318      J2320      J2323  -  J2324  -  Y2325  -  J2326
            J2329  -  J2330      J2335      J2340

507514      J2312  -  J2313  -  J2314      J2317  -  J2316      J2323  -  J2324  -  J2325  -  J2326      J2329
            J2335      J2340
```

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
507525     J2344

507527     J2323      J2330

507537     J2317      J2322  -  J2323      J2330

507543     J2107      J2311  -  J2312      J2314      J2316  -  J2317  -  J2318      J2320      J2322      J2325
        -  J2326  -  J2327  -  J2328  -  J2329  -  J2330  -  .2331      J2334  -  J2335      J2338  -  J2339
           J2341  -  J2342      J2346

507544     J2328

507552     J2218      J2228      J2312      J2314      J2316  -  J2317  -  J2318      J2320  -  J2321      J2324
           J2334      J2336      J2344
087560     J2229      J2312  -  J2313  -  32314      J2319      J2323

507577     J1109      J1111  -  J1112      J1116  -  31117      J1120  -  J1121  -  J1122      J1126      J1130
        -  J1131  -  J1132      J1134      J1138      J2318      J2330      J2335

507700     J1108      J1110  -  J1111  -  J1112      J1114  -  J1115  -  J1116  -  J1117  -  J1110  -  J1119
        -  J1120  -  J1121  -  J1122      J1124  -  J1125  -  J1126  -  J1127  -  J1128  -  J1129  -  J1130
        -  J1131  -  J1132  -  J1133  -  J1134  -  J1135  -  J1136  -  J1137      J1140  -  J1141  -  J1142
        -  J1143  -  J1144  -  J1145  -  J1146  -  J1147  -  J1148      J1315  -  J1316      J1319      J1333
           J1335      J1343  -  J1344      J2231      J2241      J2301      J2341  -  J2342

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1113      J1123      J1139      J1149      J2332

507705     J1112      J1140      J1148      J1228      J1323      J2214      J2231      J2305      J2308  -  J2309
           J2311  -  J2312  -  J2313  -  J2314  -  J2315  -  J2316  -  J2317  -  J2318  -  J2319  -  J2320
        -  J2321      J2323  -  J2324  -  J2325  -  J2326      J2329  -  J2330  -  J2331      J2333  -  J2334
        -  J2335      J2337  -  J2338  -  J2339  -  32340  -  J2341  -  J2342      J2345  -  J2346

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J2332

507706     J1140

507707     J1119      J1140      J1147

507730     J1140      J1147      J2104      J2116      J2118  -  J2119  -  J2120  -  J2121  -  J2122      J2129
        -  J2130  -  J2131  -  J2132  -  J2133      J2207  -  J2208      J2210      J2212      J2218  -  J2219
        -  J2220      J2222  -  J2223

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1227      J2216  -  J2217

507742     J1108      J1110  -  J1111  -  J1112      J1114  -  J1115  -  J1116      J1118  -  J1119  -  J1128
        -  J1121  -  J1122      J1124      J1126  -  J1127      J1129      J1131  -  J1132  -  J1133  -  J1134
        -  J1135  -  J1136  -  J1137  -  J1138      J1140  -  J1141  -  J1142  -  J1143  -  J1144  -  31145
```

Change 2   2-391

TABLE 2-26. RIU FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

ERROR STOP	RIU		VPU	ANALOG	MEMORY	RIE/VSU
	- J1146	- 11147	- J1148	J1219	J1222	- J!223	- J1224	J1228	J1230	- J1231
	J1233	- J!234	J1319	- J1320	J1323	- J1324	J1340	- J1341	J1343	- J1344
	J2125	J2136							

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

	J1123	J1139	J1227							
507744	J1118	- J1119	- J1120	- J1121	- J1122	J1124	J1126	- J1127	J1129	J1133
	- J1134									
507745	J1117	- J1118	- J1119	- J1120	J1122	J1137				
507746	J1117	- J1118	- J1119	- J1120	J1130	J1132	J1137			
774500	J1317									

TABLE 2-27. VPU TEST FAULT LOCATION

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

NOTES:

1.   PRIOR TO IN-SYSTEM MTS CARD TESTING, SET THE
        RIE I PNL AND RIE II PNL AS FOLLOWS:

                    RIE I PANEL

            SWITCH NAME   SETTING

         IFF INTERROGATE
                  MODE INTERLACE ....OFF
         SPECIAL VIDEO   OFF
         VPU INPUT SELECT
                  VPU A OFF
                  VPU B OFF
         OVERLAP SELECT (ACM) ....OFF
         MAPPER DECISION VALUES
                  NORMAL MAP 000800
                  MTI MAP 000000

                    RIE II PANEL

            SWITCH NAME   SETTING

         IFF TGT DECISION VALUES
                  AZ MAX 377
                  MISS (SWEEPS) 7

2.   IN THE VPU BAY ONE THE FOLLOWING CARD
        RETAINERS ARE MARKED WITH A WHITE REC-
        TANGLE. THESE CARDS CANNOT BE TESTED
        BY THE MTS WHILE IN THE SYSTEM.

        J1348 J1349 J1350 J1351

TABLE 2-27. VPU TEST FAULT LOCATION - Continued

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP	RIU		VPU		ANALOG		MEMORY		RIE/VSU	
0000000	J1107 -	J1108 -	J1109 -	J1110 -	J1111	J1113 -	J1114 -	J1115 -	J1116 -	J1117
	- J1118	J1121 -	J1122 -	J1123 -	J1124 -	J1125 -	J1126 -	J1127 -	J1128	J1132
	J1134	J1205	J1211	J1215 -	J1216	J1225	J1229	J1308	J1313	J1324
	- J1325	J1332	J1334 -	J1335	J1340 -	J1341	J1343	J1348 -	J1349	J1409
	- J1410	J1414	J1416	J1422 -	J1423	J1424	J1436	J1439	J1507	J1510
	- J1511	J1513 -	J1514 -	J1515	J1517 -	J1518 -	J1519 -	J1520 -	J1521 -	J1522
	J1524	J1528 -	J1529	J1534 -	J1535	J1539	J1548	J2102 -	J2103 -	J2104
	J2117 -	J2118	J2120 -	J2121 -	J2122	J2124 -	J2125	J2128 -	J2129	J2131
	- J2132 -	J2133 -	J2134	J2136 -	J2137 -	J2138 -	J2139 -	J2140 -	J2141 -	J2142
	- J2143 -	J2144	J2201 -	J2202 -	J2203	J2205 -	J2206 -	J2207 -	J2208 -	J2209
	- J2210 -	J2211 -	J2212	J2214 -	J2215 -	J2216 -	J2217 -	J2218 -	J2219 -	J2220
	- J2221	J2224 -	J2225 -	J2226 -	J2227 -	J2228 -	J2229	J2231 -	J2232 -	J2233
	- J2234 -	J2235 -	J2236 -	J2237 -	J2238 -	J2239	J2241 -	J2242 -	J2243 -	J2244
	- J2245 -	J2246 -	J2247	J2302 -	J2303 -	J2304 -	J2305 -	J2306 -	J2387 -	J2308
	- J2309 -	J2310 -	J2311 -	J2312 -	J2313 -	J2314 -	J2315	J2318 -	J2319 -	J2320
	- J2321 -	J2322 -	J2323 -	J2324 -	J2325 -	J2326 -	J2327 -	J2328 -	J2329	J2331
	- J2332 -	J2333 -	J2334 -	J2335 -	J2336 -	J2337 -	J2338 -	J2339	J2341 -	J2342
	- J2343	J2401 -	J2402 -	J2403 -	J2404 -	J2405 -	J2406 -	J2407 -	J2408 -	J2409
	- J2410 -	J2411 -	J2412 -	J2413 -	J2414 -	J2415 -	J2416 -	J2417 -	J2418 -	J2419
	- J2420 -	J2421 -	J2422 -	J2423 -	J2424 -	J2425 -	J2426 -	J2427 -	J2428 -	J2429
	J2432 -	J2433 -	J2435	J2438 -	J2439	J2441	J2442 -	J2443 -	J2444 -	J2445
	J2502 -	J2503 -	J2504 -	J2505 -	J2506 -	J2507 -	J2508 -	J2509 -	J2510 -	J2511
	- J2512 -	J2513 -	J2514 -	J2515 -	J2516 -	J2517 -	J2518 -	J2519	J2522 -	J2523
	- J2524 -	J2525 -	J2526 -	J2527	J2532	J2535 -	J2536	J2538 -	J2539	J2541
	J2544 -	J2545 -	J2546							

SUBSTITUTE THE FOLLOIJING CARD ASSEMBLIES:
          J2130   J2230

ERROR STOP	RIU		VPU		ANALOG		MEMORY		RIE/VSU	
500014	J2229									
501010	J2329	J2402								
501034	J2137 -	J2138 -	J2139	J2142 -	J2143 -	J2144	J2201	J2203	J2206 -	J2207
	- J2208 -	J2209 -	J2210	J2212	J2217 -	J2218	J2220 -	J2221	J2225 -	J2226
	- J2227 -	J2228	J2231 -	J2232 -	J2233	J2236 -	J2237 -	J2238 -	J2239 -	J2240
	- J2241 -	J2242 -	J2243 -	J2244 -	J2245 -	J2246 -	J2247	J2301 -	J2382 -	J2303
	- J2304 -	J2305 -	J2306	J2311	J2313	J2314 -	J2315 -	J2316 -	J2317	J2323
	- J2324 -	J2325	J2333 -	J2334 -	J2335 -	J2336 -	J2337 -	J2338	J2341	J2343
	J2403	J2409	J2411	J2427 -	J2428 -	J2429	J2431 -	J2432 -	J2433 -	J2434
	J2502	J2511								
501100	J2136 -	J2137 -	J2138 -	J2139 -	J2140 -	J2141 -	J2142 -	J2143 -	J2144	J2201
	- J2202 -	J2203 -	J2204 -	J2205 -	J2206 -	J2207 -	J2208 -	J2209 -	J2210	J2212
	- J2213	J2215 -	J2216 -	J2217 -	J2218 -	J2219 -	J2220 -	J2221 -	J2222 -	J2223
	- J2224 -	J2225 -	J2226 -	J2227 -	J2228 -	J2229	J2231 -	J2232 -	J2233 -	J2234
	- J2235 -	J2236 -	J2237 -	J2238 -	J2239 -	J2240 -	J2241 -	J2242 -	J2243 -	J2244
	- J2245 -	J2246 -	J2247	J2301 -	J2302 -	J2303 -	J2304 -	J2305 -	J2306 -	J2307
	J2309 -	J2310 -	J2311 -	J2312 -	J2313 -	J2314 -	J2315 -	J2316 -	J2317 -	J2318

TABLE 2-27. VPU TEST FAULT LOCATION - Continued

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP	RIU		VPU		ANALOG		MEMORY		RIE/VSU	
	- J2319	J2322 -	J2323 -	J2324 -	J2325 -	J2326 -	J2327 -	J2328 -	J2329	J2331
	- J2332 -	J2333	J2337 -	J2338 -	J2339 -	J2340 -	J2341 -	J2342 -	J2343 -	J2344
	J2401 -	J2402 -	J2403 -	J2404 -	J2405 -	J2406 -	J2407	J2412	J2509 -	J2510
	J2513 -	J2514 -	J2515 -	J2516 -	J2517 -	J2518 -	J2519 -	J2520	J2522 -	J2523
	J2525									
501101	J2140 -	J2141 -	J2142	J2217 -	J2218	J2221	J2223 -	J2224	J2227	J2232
	J2240	J2245	J2341	J2401 -	J2402	J2406	J2408	J2520		
501102	J2503									
501332	J2543									
501424	J2136	J2138 -	J2139	J2212	J2520					
501510	J1111	J1113 -	J1114 -	J1115 -	J1116 -	J1117	J1120	J1123 -	J1124	J1128
	- J1129	J1133 -	J1134	J1226	J1335	J2129	J2131	J2138	J2140	J2205
	J2208 -	J2209 -	J2210	J2212	J2214 -	J2215 -	J2216 -	J2217 -	J2218 -	J2219
	- J2220 -	J2221	J2224 -	J2225 -	J2226 -	J2227 -	J2228 -	J2229	J2231 -	J2232
	- J2233	J2236 -	J2237 -	J2238	J2240	J2304	J2309	J2315 -	J2316 -	J2317
	J2321	J2323 -	J2324 -	J2325 -	J2326 -	J2327 -	J2328 -	J2329	J2332	J2339
	- J2340 -	J2341	J2343 -	J2344	J2401 -	J2402 -	J2403	J2407 -	J2408 -	J2409
	- J2410 -	J2411 -	J2412 -	J2413 -	J2414 -	J2415 -	J2416 -	J2417 -	J2418 -	J2419
	J2421	J2423	J2425 -	J2426 -	J2427 -	J2428	J2443	J2446	J2503 -	J2504
	- J2505	J2507	J2509	J2511	J2514	J2518 -	J2519 -	32520	J2522 -	J2523
	- J2524 -	J2525	J2527 -	J2528 -	J2531 -	J2532	J2534 -	J2535	J2546	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2130   J2230   J2330

ERROR STOP	RIU		VPU		ANALOG		MEMORY		RIE/VSU	
501513	J1107 -	J1108	J1110 -	J1111	J1113 -	J1114 -	J1115 -	J1116 -	J1117 -	J1118
	J1122 -	J1123 -	J1124 -	J1125 -	J1126 -	J1127 -	J1128	J1133	J1205	J1207
	J1213	J1226	J1228	J1231	J1234	J1314	J1317 -	J1318	J1326	J1331
	- J1332	J1334 -	J1335	J1337	J1340 -	J1341	J1348 -	J1349 -	J1350 -	J1351
	J1408 -	J1409	J1411 -	J1412	J1414 -	J1415	J1418	J1420 -	J1421	J1422
	- J1423 -	J1424	J1426	J1430 -	J1431 -	J1432 -	J1433	J1439 -	J1440	J1446
	J1515 -	J1516	J1523	J1534 -	J1535	J1537	J1546	J2102	J2104	J2117
	- J2118 -	J2119 -	J2120 -	J2121 -	J2122	J2124 -	J2125 -	J2126	J2128 -	J2129
	J2131 -	J2132 -	J2133 -	J2134	J2136 -	J2137 -	J2138 -	J2139 -	J2140 -	J2141
	- J2142 -	J2143 -	J2144	J2201 -	J2202 -	J2203 -	J2204 -	J2205 -	J2206 -	J2207
	- J2208 -	J2209 -	J2210 -	J2211 -	J2212 -	J2213 -	J2214 -	J2215 -	J2216 -	J2217
	- J2218 -	J2219 -	J2220 -	J2221 -	J2222 -	J2223 -	J2224 -	J2225 -	J2226 -	J2227
	- J2228 -	J2229	J2231 -	J2232 -	J2233 -	J2234 -	J2235 -	J2236 -	J2237 -	J2238
	- J2239 -	J2240 -	J2241 -	J2242 -	J2243 -	J2244 -	J2245 -	J2246 -	J2247	J2301
	J2303 -	J2304 -	J2305 -	J2306 -	J2307 -	J2308 -	J2309 -	J2310 -	J2311 -	J2312
	- J2313 -	J2314 -	J2315 -	J2316 -	J2317 -	J2318 -	J2319 -	J2320 -	J2321 -	J2322
	- J2323 -	J2324 -	J2325 -	J2326 -	32327 -	J2328 -	J2329	J2331 -	J2332 -	J2333
	- J2334 -	J2335 -	J2336 -	J2337 -	J2338 -	J2339 -	J2340 -	J2341 -	J2342 -	J2343
	- J2344	J2401 -	J2402 -	J2403 -	J2404 -	J2405 -	J2406 -	J2407 -	J2408 -	J2409
	- J2410 -	J2411 -	J2412 -	J2413 -	J2414 -	J2415 -	J2416 -	J2417 -	J2418 -	J2419
	- J2420 -	J2421 -	J2422 -	J2423 -	J2424 -	J2425 -	J2426 -	J2427 -	J2428 -	J2429
	J2431 -	J2432 -	J2433	J2435	J2437 -	J2438 -	J2439 -	J2440 -	J2441 -	J2442
	- J2443 -	J2444 -	J2445 -	J2446	J2502 -	J2503 -	J2504 -	J2505 -	J2506 -	J2507
	- J2508 -	J2509 -	J2510 -	J2511 -	J2512 -	J2513 -	J2514 -	J2515 -	J2516 -	J2517

TABLE 2-27. VPU TEST FAULT LOCATION - Continued

```
PROGRAM LOAD STATUS      IOU OFF        CPU OFF
DIAGNOSE STATUS          IOU OFF        CPU OFF

ERROR STOP        RIU              VPU            ANALOG          MEMORY           RIE/VSU

         -  J2518  -  J2519  -  J2520    J2522  -  J2523  -  J2524  -  J2525  -  J2526  -  J2527  -  J2528
            J2531  -  J2532     J2534  -  J2535    J2538  -  J2539  -  J2540  -  J2541  -  J2542  -  J2543
         -  J2544  -  J2545  -  J2546

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1438     J2130     J2230     J2330

501514      J1118 -   J1111     J1113     J1115  -  J1116     J1118     J1121  -  J1122  -  J1123  -  J1124
         -  J1125  -  J1126  -  J1127     J1226     J1319  -  J1320  -  J1321  -  J1322  -  J1323     J1325
         -  J1326     J1329  -  J1330  -  J1331  -  J1332  -  J1333  -  J1334  -  J1335  -  J1336     J1339
         -  J1340  -  J1341  -  J1342     J1426  -  J1427  -  J1428  -  J1429  -  J1430  -  J1431  -  J1432
         -  J1433  -  J1434  -  J1435     J1440     J1444     J1513     J1516     J1527     J1529     J1534
            J1539  -  J1548     J2203  -  J2204  -  J2205     J2208     J2213     J2216  -  J2217  -  J2218
         -  J2219  -  J2220  -  J2221  -  J2222     J2224  -  J2225  -  J2226     J2228  -  J2229     J2237
            J2239  -  J2240     J2242     J2245     J2247     J2310  -  J2311     J2316     J2327  -  J2328
            J2332     J2342     J2406     J2408  -  J2409     J2421     J2423     J2425  -  J2426  -  J2427
         -  J2428     J2431  -  J2432     J2440     J2443     J2446     J2508     J2515  -  J2516     J2520
            J2522  -  J2523  -  J2524  -  J2525  -  J2526  -  J2527     J2531  -  J2532     J2534     J2541
         -  J2542     J2544     J2546

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1230     J2330

501515      J1110     J1111     31116     J1133     J2104     J2117     J2119  -  J2120  -  J2121  -  J2122
            J2124  -  J2125  -  J2126     J2128  -  J2129     J2131  -  J2132     J2136  -  J2137  -  J2138
         -  J2139  -  J2140     J2208     J2212  -  J2213     J2215  -  J2216  -  J2217  -  J2218  -  J2219
         -  J2220  -  J2221  -  J2222  -  J2223  -  J2224  -  J2225  -  J2226  -  J2227  -  J2228     J2233
            J2236  -  J2237     J2240  -  J2241  -  J2242  -  J2243  -  J2244  -  J2245  -  J2246  -  J2247
            J2309     J2314  -  J2315  -  J2316  -  J2317     J2322     J2332     J2339     J2341  -  J2342
         -  J2343  -  J2344     J2401  -  J2402     J2408  -  J2409     J2419     J2431  -  J2432     J2504
            J2507     J2510     J2518     J2522     J2531  -  J2532     J2535

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2130     J2330

501520      J2136     J2437  -  J2438  -  J2439  -  J2440     J2538  -  J2539  -  J2540

501521      J2318     J2323     J2326     J2404     J2414  -  J2415     J2418     J2425     J2429     J2518

501522      J2202  -  J2203  -  J2204  -  J2205  -  J2206     J2208     J2215     J2305  -  J2306     J2308
         -  J2309     J2312     J2325     J2327     J2338     J2401     J2417     J2428     J2422     J2424
            J2427  -  J2428     J2432  -  J2433     J2435     J2518     J2518     J2522

501523      J1110     J1408     J1411     J2202     J2206     J2214     J2216     J2223     J2305  -  J2306
            J2310     J2312     J2325  -  J2326  -  J2327  -  J2328     J2401  -  J2482     J2417     J2420
            J2422     J2424     J2427  -  J2428  -  J2429     J2435     J2437  -  J3243     J2441     J2446

501525      J2223     J2232     J2420

501526      J2225

501532      J2143     J2216     J2226     J2229     J2417     J2419     J2421     J2513     J2519
```

Change 2   2-396

TABLE 2-27. VPU TEST FAULT LOCATION - Continued

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP   RIU   VPU   ANALOG   MEMORY   RIE/VSU

```
501550    J2205  -  J2206  -  J2207    J2210  -  J2211    J2213    J2215    J2232    J2244  -  J2245
          J2305  -  J2306     J2310    J2326     J2333    J2423    J2435    J2437  -  J2438     J2441
          J2504

501551    J1411     J2231     J2234    J2322     J2333

501552    J2234

501554    J2218     J2220     J2231  -  J2232  -  J2233    J2238  -  J2239  -  J2240  -  J2241     J2244
          J2335  -  J2336  -  J2337  -  J2338     J2341    J2432

501615    J2317  -  J2318  -  J2319    J2325  -  J2326  -  J2327  -  J2328    J2419

501620    J2136  -  J2137  -  J2138  -  J2139  -  J2140    J2201    J2206  -  J2207  -  J2208  -  J2209
       -  J2210     J2212  -  J2213  -  J2214  -  J2215  -  J2216  -  J2217  -  J2218  -  J2219  -  J2220
       -  J2221  -  J2222  -  J2223  -  J2224  -  J2240    J2315  -  J2316  -  J2317  -  J2318  -  J2319
       -  J2320  -  J2321  -  J2322  -  J2323  -  J2324  -  J2325  -  J2326  -  J2327  -  J2328  -  J2329
          J2331  -  J2332  -  J2333  -  J2334  -  J2335  -  J2336  -  J2337  -  J2338  -  J2339  -  J2340
       -  J2341  -  J2342  -  J2343  -  J2344     J2425  -  J2426  -  J2427  -  J2428  -  J2429     J2431
       -  J2432  -  J2433

501622    J1126     J2210     J2237  -  J2238     J2318     J2323    J2326    J2328    J2336    J2401
       -  J2402     J2404  -  J2405    J2414  -  J2415  -  J2416    J2418    J2425  -  J2426    J2518
          J2539

501623    J2202  -  J2203     J2205  -  J2206  -  J2207  -  J2208  -  J2209    J2211    J2214    J2216
          J2226     J2305  -  J2306     J2308     J2323    J2327    J2411    J2419    J2427    J2445
          J2511     J2528     J2539  -  J2540     J2544  -  J2545  -  J2546

501624    J1110  -  J1111     J1113     J1124  -  J1125    J2144    J2216    J2221    J2229    J2236
          J2240     J2329     J2331     J2333  -  J2334  -  J2335  -  J2336  -  J2337  -  J2338    J2344
          J2401  -  J2402     J2408  -  J2409    J2412    J2415  -  J2416    J2420  -  J2421  -  J2422
          J2441  -  J2442  -  J2443  -  J2444    J2503    J2507  -  J2508  -  J2509  -  J2510  -  J2511
       -  J2512  -  J2513  -  J2514  -  J2515  -  J2516  -  J2517  -  J2518  -  32519  -  J2520    J2522
       -  J2523
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2130   J2230

```
501632    J2323     J2405     J2414

501633    J1415     J2201  -  J2202  -  J2203  -  J2204  -  J2205  -  J2206  -  J2207  -  J2208  -  J2209
       -  J2210  -  J2211     J2213  -  J2214     J2226    J2235    J2238  -  J2239    J2242    J2301
          J2303  -  J2304  -  J2305  -  J2306  -  J2307  -  J2308  -  J2309    J2311    J2314    J2317
       -  J2318  -  J2319  -  J2320  -  J2321     J2324  -  J2325    J2327    J2329    J2334  -  J2335
       -  J2336     J2338     J2340     J2343     J2402    J2411    J2413    J2419  -  J2420    J2427
          J2429     J2445     J2508     J2520     J2522    J2538  -  J2539  -  J2540  -  J2541  -  J2542
          J2545  -  J2546

501700    J1124     J1408     J1414     J2117  -  J2118  -  J2119  -  J2120  -  J2121  -  J2122    J2124
       -  J2125  -  J2126     J2128  -  J2129     J2131    J2133  -  J2134    J2136    J2139  -  J2140
```

Change 2   2-397

TABLE 2-27. VPU TEST FAULT LOCATION - Continued

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

ERROR STOP　　　　RIU　　　　　VPU　　　　ANALOG　　　　MEMORY　　　RIE/VSU

```
           -  J2141  -  J2142  -  J2143  -  J2144  -  J2201     J2202  -  J2203  -  J2204  -  J2205  -  J2208
           -  J2209  -  J2210  -  J2211  -  J2212  -  J2213     J2215  -  J2216  -  J2217  -  J2218     J2222
           -  J2223     J2226     J2228  -  J2229     J2231  -  J2232  -  J2233  -  J2234  -  J2235     J2237
           -  J2238  -  J2239  -  J2240  -  J2241  -  J2242  -  J2243  -  J2244  -  J2245     J2247     J2301
              J2303  -  J2304  -  J2305     J2307     J2309  -  J2310  -  J2311     J2313  -  J2314     J2321
           -  J2322     J2325  -  J2326  -  J2327  -  J2328  -  J2329     J2331  -  J2332  -  J2333  -  J2334
           -  J2335  -  J2336  -  J2337  -  J2338  -  J2339  -  J2340  -  J2341  -  J2342  -  J2343  -  J2344
              J2401  -  J2402  -  J2403  -  J2404     J2406     J2409     J2412     J2417     J2421  -  J2422
           -  J2423  -  J2424  -  J2425     J2427  -  J2428  -  J2429     J2433     J2435     J2437  -  J2438
           -  J2439  -  J2440  -  J2441  -  J2442  -  J2443     J2446     J2503  -  J2504     J2509  -  J2510
           -  J2511  -  J2512  -  J2513  -  J2514  -  J2515  -  J2516  -  J2517  -  J2518     J2522  -  J2523
              J2539  -  J2540     J2543     J2545  -  J2546
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　J2230　　　　J2330

```
501702        J2139     J2143  -  J2144     J2201  -  J2202  -  J2203  -  J2204  -  J2205  -  J2206  -  J2207
           -  J2208  -  J2209  -  J2210     J2218     J2227     J2229     J2231  -  J2232  -  J2233     J2235
           -  J2236  -  J2237  -  J2238     J2240  -  J2241  -  J2242     J2244  -  J2245 -   J2246 -   J2247
              J2301  -  J2302  -  J2303     J2305  -  J2306  -  J2307     J2310  -  J2311  -  J2312  -  J2313
           -  J2314  -  J2315  -  J2316  -  J2317     J2319  -  J2320  -  J2321     J2324  -  J2325     J2328
           -  J2329     J2331     J2333  -  J2334  -  J2335  -  J2336  -  J2337  -  J2338     J2342  -  J2343
           -  J2344     J2427  -  J2428  -  J2429     J2431  -  J2432  -  J2433  -  J2434
```

```
501703        J1408     J1411     J1414     J2133  -  J2134     J2141  -  J2142  -  J2143  -  J2144     J2206
              J2209     J2213     J2216     J2218     J2226  -  J2227     J2229     J2233     J2236  -  J2237
              J2239     J2246     J2301     J2303     J2305  -  J2306  -  J2307      J2310  -  J2311  -  J2312
           -  J2313     J2318  -  J2319  -  J2320  -  J2321     J2323     J2326  -  J2327     3J232  -  J2333
           -  J2334  -  J2335  -  J2336     J2403  -  J2404     J2407  -  J2408  -  J2409  -  J2410     J2412
              J2414  -  J2415     J2417  -  J2418  -  J2419  -  J2420  -  J2421  -  J2422  -  J2423  -  J2424
           -  J2425  -  J2426  -  J2427  -  J2428  -  J2429     J2432  -  J2433     J2435     J2437  -  J2438
           -  J2439  -  32440  -  J2441  -  J2442     J2444     J2446     J2507  -  J2508     J2511     J2517
           -  J2518     J2525     J2527
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
　　　　J2330

```
501705        J2122     J2124     J2133  -  J2134     J2139     J2141  -  J2142  -  J2145     J2144     J2215
              J2231     J2234     J2238     J2242  -  J2243  -  J2244  -  J2245     J2247     J2329     J2331
              J2333     J2337  -  J2338     J2341     J2401  -  J2402     J2417     J2420     J2511     J2515
              J2520
```

```
501706        J2117     J2128     J2133  -  J2134     J2139     J2141  -  J2142  -  J2143  -  J2144     J2208
              J2210     J2214  -  J2215     J2218     J2224     J2229     J2231     J2234  -  J2235     J2239
              J2242  -  J2243  -  J2244  -  J2245     J2247     J2314     J2316     J2319     J2329     J2331
              J2333     J2337     J2401  -  J2402     J2407     J2419     J2423     J2511  -  J2512     J2515
           -  J2516     J2520     J2522  -  J2523     J2538
```

```
501707        J2233     J2242     J2315     J2338     J2437     J2515  -  J2516     J2922  -  J2523
```

```
581710        J2138     J2246     J2511     J2515     J2538
```

TABLE 2-27. VPU TEST FAULT LOCATION - Continued

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
501711	J2117 - J2118 - J2119	J2121 - J2122	J2124	J2132 - J2133 - J2134	J2139
	J2141 - J2142 - J2143 - J2144	J2203	J2214 - J2215 - J2216	J2226 - J2227	
	- J2228 J2231 - J2232	J2236	J2238	J2301	J2304 - J2305 - J2308 J2310
	J2316 - J2317	J2326	J2331	J2334	J2341 J2344 J2406 J2409 J2421
	J2424 J2427 - J2428 - J2429	J2432 - J2433	J2435	J2440 J2442 J2444	
	- J2445 - J2446	J2503 - J2504	J2507	J2511	J2515 J2523 J2540
501712	J1123 J1206 - J1207 - J1208	J1229	J1232 - J1233	J1314 J1317 J1319	
	J1323 - J1324	J1329	J1332 - J1333 - J1334	J1337 - J1338 - J1339	J1341
	J1343 J1345 - J1346 - J1347 - J1348	J1407 - J1408	J1416 J1419 J1421		
	- J1422 - J1423	J1425 - J1426	J1432 - J1433	J1439 - J1440	J1444 J1448
	J1509 J1512 - J1513	J1515	J1519 - J1520	J1523 J1533 J1538 J1547	
	J2117 - J2118 - J2119	J2122	J2128	J2133	J2143 - J2144 J2201 J2209
	J2212 J2214	J2216	J2237	J2239	J2314 - J2315 - J2316 J2401 - J2402
	J2428 - J2429	J2432	J2435	J2520	J2522 - J2523 J2539 - J2540 J2545

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1224

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU
501713	J2133 J2141	J2143	J2207	J2223	J2227 - J2228 J2232 J2237 J2331
501714	J2121 J2140	J2212	J2222	J2246	J2340 J2506 J2522
501715	J2104 J2217	J2221	J2224 - J2225	J2228	J2244
501716	J2121 J2202	J2205 - J2206 - J2207 - J2208 - J2209 - J2210	J2435		
501717	J2210 J2234 - J2235	J2239	J2321	J2339	J2402
501720	J2303 J2540	J2546			
501721	J2227 J2239	J2241	J2303	J2305	J2520
501722	J2236 J2341	J2445			
501723	J2322 J2341	J2411 - J2412	J2539 - J2540	J2545	
501724	J2313				
501730	J2432				
501731	J2215				
501732	J2218				
501733	J2102 J2202	J2219	J2227	J2232	J2236 - J2237 J2241 J2304 - J2305
	J2307 - J2308 - J2309	J2316 - J2317	J2319 J2321 J2323 J2328 - J2329		
	J2331 J2333 - J2334 - J2335 - J2336 - J2337	J2341 J2401 J2404 J2406			
	- J2407 - J2408	J2411 - J2412	J2418 J2422 J2427 - J2428 - J2429 J2432		
	- J2433 J2435	J2437 - J2438 - J2439 - J2440	J2444 J2446 J2503 J2528		
501734	J2102 J2202	J2209	J2215	J2223	J2229 J2233 - J2234 J2236 - J2237

TABLE 2-27. VPU TEST FAULT LOCATION - Continued

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

ERROR STOP	RIU	VPU	ANALOG	MEMORY	RIE/VSU

```
            J2241     J2245 - J2246 - J2247     J2303     J2305     J2307 - J23088 - J2309 - J2310
            J2312 -   J2313   J2315 - J2316 -   J2317     J2320 -   J2321   J2325    J2328 - J2329
            J2331     J2333 - J2334 - J2335 -   J2336 -   J2337 -   J2338   J2340 -  J2341 - J2342
            J2344     J2406   J2420   J2427     J2428 -   J2429     J2432   J2435    J2437 - J2438
          - J2439 -   J2440   J2443 - J2444     J2446     J2502 -   J2503 - J2504   J2510    J2517
          - J2518 -   J2519 - J2520   J2523

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J2230

501735      J1408     J1411   J1414 - J1415     J2134     J2141 -   J2142   J2144    J2204 - J2205
          - J2206 -   J2207 - J2208   J2210 -   J2211 -   J2213 -   J2214 - J2215   J2227    J2233
            J2235 -   J2236 - J2237 - J2238 -   J2239 -   J2241     J2245 - J2246 - J2247   J2301
            J2303     J2305 - J2306 - J2307 -   J2308 -   J2309 -   J2310 - J2311 - J2312 - J2313
          - 32314 -   J2315 - J2316 - J2317 -   J2320 -   J2321 -   J2328 - J2329   J2331    J2333
          - J2334 -   J2335 - J2336 - J2337 -   J2338     J2341     J2401   J2410 - J2411   J2413
            J2420     J2422   J2424   J2427 -   J2428 -   32429     J2432 - J2433   J2435    J2437
          - J2438 -   J2439 - J2440 - J2441 -   J2442     J2445 -   J2446   J2507   J2515 - J2516
            J2519 -   J2520   J2522   J2538     J2541     J2545 -   J2546

501736      J2212     J2243   J2335 - J2336     J2340     J2419     J2508   J2513

501737      J2212     J2215   J2222   J2232     J2236     J2303     J2310   J2315    J2523

501740      J2233     J2242   J2244   J2247     J2303     J2307     J2312 - J2313   J2316    J2329
            J2337     J2343   J2432 - J2433     J2435     J2445     J2538   J2544 -  J2545 - J2546

501741      J2133 -   J2134   J2142 - J2143 -   J2144     J2233     J2238   J2242    J2244    J2247
            J2301     J2303   J2305   J2307     J2309     J2312 -   J2313   J2316    J2329    J2335
          - J2336 -   J2337 - J2338   J2343     J2421     J2427 -   J2428 - J2429   J2432 -  J2433
            J2435     J2507

501742      J2204     J2221   J2232 - J2233     J2309     J2317     J2332   J2408    J2420 -  J2421
          - J2422     J2424

501744      J2428     J2516

501745      J2305     J2408

501746      J1415     J2205 - J2206 - J2207 -   J2208     J2213 -   J2214 - J2215   J2217    J2227
            J2233     J2245 - J2246 - J2247     J2303     J2305 -   J2306 - J2307 - J2308 -  J2309
          - J2310     J2312 - J2313 - J2314 -   J2315     J2317     J2334   J2342    J2410 -  J2411
            J2420 -   J2421   J2423 - J2424     J2428     J2432     J2445   J2515 -  J2516    J2519
          - J2520     J2522   J2525 - J2526     J2528     J2538     J2540   J2542 -  J2543    J2545
          - J2546

501763      J2204     J2214 - J2215   J2218     J2221     J2233     J2236 - J2237   J2241    J2303
            J2305     J2308 - J2309   J2312 -   J2313 -   J2314 -   J2315 - J2316 - J2317   J2321
            J2332 -   J2333 - J2334   J2409     J2421     J2424     J2432   J2435    J2440    J2445
            J2512 -   J2513   J2519 - J2520     J2522     J2539 -   J2540   J2544 -  J2545 - J2546

501765      J2133 -   J2134   J2141 - J2142-    J2143 -   J2144     J2208   J2210    J2214    J2220
```

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
            J2235   J2239    J2241 - J2242 - J2243 - J2244 - J2245 - J2246 - J2247   J2313
            J2334 - J2335 - J2336 - J2337 - J2338 - J2343   J2408   J2410   J2421 - J2422
            J2424   J2427 - J2428 - J2429   J2432 - J2433   J2435   J2439   J2516   J2520
            J2522   J2526

502180      J1317 - J1318 - J1319 - J1320 - J1321 - J1322   J1325 - J1326   J1329   J1331
            J1333 - J1334   J1336   J1338 - J1339 - J1340 - J1341 - J1342 - J1343 - J1344
          - J1345 - J1346   J1418 - J1419   J1426   J1432   J1433 - J1434 - J1435   J1442
          - J1443   J1446 - J1447 - J1448   J1507 - J1588   J1512 - J1513 - J1514 - J1515
            J1517   J1546 - J1547 - J1548 - J1549

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1230    J1438

502102      J1512

502103      J1519 - J1520

582104      J1512

502106      J1448    J1512

502107      J1447 - J1448    J1512    J1519 - J1520

502110      J1512

582111      J1512

502112      J1512

502113      J1434 - J1435    J1441 - J1442    J1447 - J1448

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1438

502114      J1335   J1509   J1512 - J1513   J1515   J1518 - J1519 - J1520   J1522 - J1523
          - J1524 - J1525 - J1526   J1530   J1534 - J1535   J1538   J1545 - J1546

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1438

502177      J1120   J1123 - J1124   J1126   J1227 - J1228 - J1229   J1319 - J1320 - J1321
            J1325 - J1326   J1329   J1331   J1333 - J1334 - J1335   J1337 - J1338 - J1339
          - J1340 - J1341 - J1342 - J1343 - J1344 - J1345   J1407   J1410   J1413
            J1417 - J1418 - J1419   J1423   J1426 - J1427 - J1428 - J1429 - J1438   J1431
          - J1432 - J1433 - J1434 - J1435 - J1436   J1439   J1441 - J1442   J1445   J1447
          - J1448   J1587 - J1508 - J1509   J1511 - J1512 - J1513 - J1514 - J1515 - J1516
          - J1517 - J1518 - J1519 - J1520 - J1521 - J1522 - J1523 - J1524 - J1525 - J1526
          - J1527   J1529 - J1530   J1533 - J1534 - J1535 - J1536   J1539   J1546 - J1547
          - J1548 - J1549   J2139 - J2140   J2216   J2438   J2441

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
            J1230    J1438

502214      J1330    J1426      J1431      J1445

502217      J1448    J1507  -  J1508    J1514  -  J1515    J1519  -  J1520    J1522  -  J1523    J1525
            J1530    J1534

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1438

502220      J1521  -  J1522  -  J1523    J1525    J1530    J1534  -  J1535    J1538    J1545  -  J1546

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1438

582222      J1417      J1442      J1447  -  J1448    J1507  -  J1508  -  J1509    J1546  -  J1547  -  J1548
         -  J1549

502277      J1330  -  J1331  -  J1332  -  J1333  -  J1334  -  J1335  -  J1336    J1341    J1408  -  J1409
         -  J1410  -  J1411  -  J1412  -  J1413  -  J1414  -  J1415    J1426  -  J1427  -  J1428  -  J1429
         -  J1430  -  J1431  -  J1432  -  J1433  -  J1434    J1439    J1442    J1445    J1447  -  J1448
            J1507  -  J1508  -  J1509    J1511  -  J1512  -  J1513  -  J1514  -  J1515  -  J1516    J1518
            J1521    J1526  -  J1527    J1534    J1546  -  J1547  -  J1548  -  J1549    J2437  -  J2438
         -  J2439  -  J2440

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1438

502308      J1415      J2432      J2537  -  J2538    J2541    J2543    J2545  -  J2546

502301      J1415      J2433      J2537  -  J2538    J2541    J2543    J2545  -  J2546

582302      J1415      J1442      J2434      J2537  -  J2538    J2541    J2543    J2545  -  J2546

582303      J1322      J1347      J1415      J1508    J1510  -  J1511    J2324    J2535  -  J2536  -  J2537
         -  J2538    J2542      J2544  -  J2545  -  J2546

502304      J1347      J1412      J1414      J1507    J1509  -  J1510  -  J1511    J2435    J2437  -  J2438
            J2441      J2443      J2445  -  J2446    J2535  -  J2536

582305      J1414      J2432      J2437  -  J2438    J2441    J2443    J2445  -  J2446

502306      J1414      J2432      J2437  -  J2438    J2442    J2444  -  J2445  -  J2446

582307      J1414      J1516      J1536      J2432    J2437  -  J2438    J2442    J2444  -  J2445  -  J2446
            J2532      J2534      J2536

502310      J1415      J2332      J2432      J2533    J2539  -  J2540    J2542    J2544  -  J2545  -  J2546

502311      J1414  -  J1415      J2433      J2539  -  J2540    J2542    J2544  -  J2545  -  J2546

502312      J1413      J1415      J2434      J2539  -  J2540  -  J2541    J2543    J2545  -  J2546
```

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

STOP	CONNECTORS
582313	J1346 J1412 J1415 J1508 - J1589 - J1510 - J1511 J2325 32531 J2535 - J2536 J2539 - J2540 - J2541 J2543 J2545 - J2546
502314	J1346 J1411 J1414 J1417 J1432 J1507 J1589 - J1510 - J1511 J1513 J1516 J2435 J2439 - J2440 J2442 J2444 - J2445 - J2446 J2535 - J2536
502315	J1418 J1414 J1517 J2435 J2439 - J2440 J2442 J2444 - J2445 - J2446 J2534
582316	J1409 J1414 J2435 J2439 - J2440 - J2441 J2443 J2445 - J2446
502317	J1408 J1414 J2435 J2439 - J2440 - J2441 J2443 J2445 - J2446
582320	J1415 J2432 J2537 - J2538 J2542 J2544 - J2545 - J2546
502321	J1414 - J1415 J2433 J2537 - J2538 J2542 J2544 - J2545 - J2546
502322	J1413 J1415 J1440 J1444 J2434 J2537 - J2538 J2541 J2543 J2545 - J2546
502323	J1322 J1347 J1412 J1415 J1426 J15088 - J1509 - J1510 - J1511 J2325 J2532 J2535 - J2536 - J2537 - J2538 J2541 J2543 J2545 - J2546
502324	J1347 J1411 J1414 J1507 J1509 - J1510 - J1511 J2435 J2437 - J2438 J2442 J2444 - J2445 - J2446 J2535 - J2536
502325	J1410 J1414 J2344 J2401 J2409 J2413 J2434 J2437 - J2438 J2441 J2443 J2445 - J2446

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J2330

STOP	CONNECTORS
582326	J1489 J1414 J2434 J2437 - J2438 J2441 J2443 J2445 - J2446
582327	J1408 J1414 J2434 J2437 - J2438 J2442 J2444 - J2445 - J2446
502330	J1415 J1426 J2432 J2539 - J2540 J2542 J2544 - J2545 - J2546
502331	J1414 - J1415 J2433 J2539 - J2540- J2541 J2543 J2545 - J2546
582332	J1413 J1415 J2434 J2539 - J2548 - J2541 J2545 - J2546
502333	J1322 J1347 J1412 J1415 J1508 - J1509 - J1510 - J1511 J2324 J2535 - J2536 J2539 - J2540 J2542 J2544 - J2545 - J2546
502334	J1347 J1411 J1414 J1507 J1509 - J1510 - J1511 32435 J2439 - J2440 - J2441 J2443 J2445 - J2446 J2535 - J2536
582335	J1410 J1414 J2433 J2439 - J2448 - J2441 J3443 J2445 - J2446

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

582336 J1409   J1414   J2433   J2439 - J2440 - J2441   J2443   J2445 - J2446

502337 J1408   J1414   J2433   J2439 - J2440   J2442   J2445 - J2446

502377 J1329 - J1338   J1345   J1407 - J1408 - J1409 - J1410 - J1411 - J1412 - J1413
      - J1414 - J1415 - J1416 - J1417 - J1418   J1426 - J1427 - J1428 - J1429 - J1430
      - J1431 - J1432 - J1433 - J1434 - J1435   J1439   J1441   J1443   J1445   J1511
      - J1512 - J1513 - J1514 - J1515 - J1516 - J1517   J1518   J1521   J1526 - J1527
        J1529   J1536   J1539   J1548 - J1549   J2236   J2240   J2344   J2409   J2413
        J2423   J2437 - J2438 - J2439 - J2448   J2444   J2589   J2527 - J2528   J2531
      - J2532 - J2533 - J2534 - J2535 - J2536 - J2537 - J2538 - J2539 - J2540 - J2541
      - J2542

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1438   J2330

502518 J2531   J2533   J2536

582511 J2533

502513 J1118   J1115   J1118

582514 J1329   J1345 - J1346 - J1347 - J1348 - J1349   J1439

582515 J1439   J1511   J1514   J1518   J1526

502516 J1439   J1514   J1527

582540 J1330 - J1331   J1335   J1341   J1349   J1418   J1426 - J1427 - J1428 - J1429
      - J1430 - J1431 - J1432   J1436   J1448   J1527   J51540   J1548 - J1549   J2531
      - J2532 - J2533 - J2534

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1438

582541 J2533   J2535

502543 J2533

582544 J2445

582553 J1123 - J1124 - J1125 - J1126 - J1127   J2139

502554 J1111   J1134   J1329 - J1330 - J1331 - J1332   J1335 - J1336 - J1337 - J1338
      - J1339 - J1340 - J1341 - J1342   J1345   J1421   J1426 - J1427 - J1428 - J1429
      - J1430   J1433 - J1434 - J1435 - J1436   J1442 - J1443   J1445 - J1446 - J1447
      - J1448   J1514 - J1515   J1519 - J1528 - J1521 - J1522 - J1523   J1525   J1534
      - J1535   J1538   J1540   J1545 - J1546 - J1547 - J1548 - J1549   J2532   J2542
        J2545

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
                J1438

502577    J1344    J1400    J1408  -  J1409  -  J1410  -  J1411  -  J1412  -  J1413  -  J1414  -  J1415
          J1439    J1511    J1518     J2537  -  J2538  -  J2539  -  J2540

502622    J1410

502700    J1409    J1412    J2220     J2314     J2332     J2537  -  J2538     J2541     J2543     J2545
       -  J2546

502701    J1409    J1412    J2432     J2537  -  J2538     J2542     J2545  -  52546

502782    J1489    J1412    J2433     J2537  -  J2538     J2542     J2544  -  J2545  -  J2546

502703    J1409    J1412    J2434     J2537  -  J2538     J2542     J2544  -  J2545  -  32546

502704    J1346    J14880   J1408     J1411     J1508  -  J1589  -  J1510  -  J1511     J2435     J2437
       -  J2438    J2441    J2443     J2445  -  J2446     J2535  -  J2536

582705    J1408    J1411    J2427     J2437  -  J2438     J2442     J2444  -  J2445  -  J2446

502706    J1408    J1411    J2427     J2437  -  J2438     J2442     J2444  -  J2445  -  J2446

582707    J1408    J1411    J2427     J2437  -  J2438     J2441     J2443     J2445  -  J2446

502710    J1408    J1412    J2432     J2539  -  J2540  -  J2541     J2543     J2545  -  J2546

582711    J1409    J1412    J2433     J2539  -  J2540  -  J2541     J2543     J2545  -  J2546

502712    J1410    J1412    J2434     J2539  -  J2540     J2542     J2544  -  J2545  -  J2546

502713    J1322    J1347    J1411  -  J1412     J1417     J1510  -  J1511     J2324     J2535  -  J2536
          J2539  - J2540    J2542     J2544  -  J2545  -  J2546

582714    J1347    J1411  - J1412     J1507     J1509  -  J1510  -  J1511     J2435     J2439  -  J2440
       -  J2441    J2443    J2445  -  J2446     J2535  -  J2536

502715    J1411    J1413    J2431     J2439  -  J2440  -  J2441     J2443     J2445  -  J2446

502716    J1411    J1414    J2431     J2439  -  J2440     J2442     J2444  -  J2445  -  J2446

502717    J1411    J1415    J2431     J2439  -  J2440     J2442     J2444  -  J2445  -  J2446

502720    J1408    J1412    J2228     J2432     J2537  -  J2538     J2541     J2543     J2545  -  J2546

582721    J1409    J1412    J2433     J2537  -  J2538     J2541     J2543     J2545  -  J2546

502722    J1410    J1412    J2434     J2537  -  J2538     J2542     J2544  -  J2545  -  J2546

502723    J1411  - J1412    J2323     J2537  -  J2538     J2542     52544  -  J2545  -  J2546

502724    J1346    J1411  - J1412     J1507     J1509  -  J1510  -  J1511     J2435     J2437  -  J2438
```

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS DIAGNOSE STATUS		IOU OFF IOU OFF	CPU OFF CPU OFF								

STOP   **CONNECTORS**

| 502725 | J1411 | J1413 | J2429 | J2437 | - | J2438 | J2442 | J2444 | - | J2445 | - | J2446 |

| 502726 | J1411 | J1414 | J2429 | J2437 | - | J2438 | J2442 | J2444 | - | J2445 | - | J2446 |

| 502727 | J1411 | J1415 | J2429 | J2437 | - | J2438 | J2442 | J2444 | - | J2445 | - | J2446 |

| 562730 | J1488 | - | J1409 | J1412 | J2432 | J2539 | - | J2540 | - | J2541 | J2543 | J2545 | - | J2546 |

| 502731 | J1409 | J1412 | J2433 | J2539 | - | J2540 | J2542 | J2544 | - | J2545 | - | J2546 |

| 582732 | J1409 | - | J1410 | J1412 | J2434 | J2539 | - | J2540 | J2542 | J2544 | - | J2545 | - | J2546 |

| 582733 | J1409 | J1411 | - | J1412 | J2323 | J2539 | - | J2540 | J2542 | J2544 | - | J2545 | - | J2546 |

| 582734 | J1346 | J1488 | J1411 | - | J1412 | J1508 | - | J1509 | - | J15- | - | J1511 | J2435 | J2439 |
| | - | J2440 | - | J2441 | J2443 | J2445 | - | J2446 | J2533 | J2535 | - | J2536 |

| 502735 | J1408 | J1411 | J1413 | J2428 | J2439 | - | J2440 | J2442 | J2444 | - | J2445 | - | J2446 |

| 502736 | J1408 | J1411 | J1414 | J2428 | J2439 | - | J2440 | J2442 | J2444 | - | J2445 | - | J2446 |

| 582737 | J1408 | J1411 | J1415 | J2428 | J2439 | - | J2440 | J2442 | J2444 | - | J2445 | - | J2446 |

| 502777 | J1410 | - | J1411 | - | J1412 | - | J1413 | J1439 | J1515 |

503820	J1110	-	J1111	J1118	J1320	J1322	J1325	J1329	-	J1330	-	J1331	-	J1332
	-	J1333	-	J1334	-	J1335	J1337	-	J1338	-	J1339	-	J1340	J1342	-	J1343	-	J1344
	-	J1345	-	J1346	-	J1347	-	J1348	-	J1349	J1407	-	J1408	-	J1409	-	J1410	-	J1411
	-	J1412	-	J1413	-	J1414	-	J1415	-	J1416	-	J1417	-	J1418	-	J1419	J1422	J1426
	-	J1427	-	J1428	-	J1429	-	J1430	-	J1431	-	J1432	-	J1433	-	J1434	-	J1435	J1439
	J1442	J1445	-	J1446	-	J1447	-	J1448	J1587	-	J1508	-	J1509	-	J1510	-	J1511
	-	J1512	-	J1513	-	J1514	-	J1515	-	J1516	-	J1517	-	J1518	-	J1519	-	J1520	-	J1521
	-	J1522	-	J1523	-	J1524	-	J1525	-	J1526	-	J1527	J1529	J1533	-	J1534	-	J1535
	-	J1536	J1539	J1543	J1545	-	J1546	-	J1547	-	J1548	-	J1549	J2535

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1230   J1438

503021	J1108	J1118	-	J1111	J1115	-	J1116	J1123	-	J1124	J1126	-	J1127	J1229
	J1319	J1321	J1326	J1329	-	J1330	-	J1331	-	J1332	-	J1333	J1335	-	J1336
	-	J1337	-	J1338	-	J1339	-	J1340	-	J1341	-	J1342	-	J1343	-	J1344	-	J1345	-	J1346
	-	J1347	-	J1348	-	J1349	J1417	-	J1418	-	J1419	J1422	J1426	-	J1427	-	J1428
	-	J1429	-	J1430	-	J1431	-	J1432	-	J1433	-	J1434	-	J1435	-	J1436	J1439	-	J1440
	J1442	-	J1443	-	J1445	J1447	-	J1448	J1507	-	J1588	-	J1509	-	J1510	-	J1511
	-	J1512	-	J1513	-	J1514	-	J1515	-	J1516	-	J1517	-	J1518	-	J1519	-	J1520	-	J1521
	-	J1522	-	J1523	-	J1524	-	J1525	J1527	J1529	-	J1530	J1533	-	J1534	-	J1535
	-	J1536	-	J1537	-	J1538	-	J1539	-	J1540	J1545	-	J1546	-	J3547	-	J1548	J2138
	J2143	J2201	J2219	J2231	J2235	-	J2236	-	J2237	-	J2233	-	J22-9	-	J2248
	-	J2241	-	J2242	-	J2243	-	J2244	-	J2245	-	J2246	-	J2247	J2301	-	J2302	-	J2303
	-	J2384	-	J2305	-	J2306	-	J2307	J2309	-	J2310	J2313	-	J2314	-	J2315	-	J2316

2-406   Change 2

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
        -  J2317     J2326     J2332  -  J2333     J2337  -  J2338  -  J2339  -  J2340     J2422     J2427
        -  J2428     J2503     J2508  -  J2512     J2517

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1438

503561     J1118     J1330     J1335     J1339     J1420     J1430  -  J1431     J1511     J1513     J2227
        -  J2223     J2242

583562     J1108     J1110  -  J1111     J1113     J1123  -  J1124     1126      J1317     J1320  -  J1321
           J1325  -  J1326     J1329  -  J1330  -  J1331     J1333  -  J1334  -  J1335  -  J1336     J1339
        -  J1340     J1342     J1344     J1346  -  J1347  -  J1348  -  J1349     J1407     J1418  -  J1419
        -  J1420  -  J1421     J1423     J1428  -  J1429  -  J1430     J1434  -  J1435  -  J1436     J1439
           J1441  -  J1442  -  J1443  -  J1444     J1447  -  J1448     J1511  -  J1512  -  J1513     J1532
           J1535     J1537     J2138

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1230     J1438

503563     J1329     J1345  -  J1346  -  J1347  -  J1348  -  J1349     J1441     J1444

503604     J1348     J1351     J1439

503610     J1348

503612     J1109  -  J1110     J1115     J1122     J1124  -  J1125  -  J1126  -  J1127     J1330  -  J1331
        -  J1332     J1335  -  J1336  -  J1337     J1339  -  J1340     J1342  -  J1343  -  J1344  -  J1345
           J1347  -  J1348  -  J1349     J1417  -  J1418  -  J1419     J1422     J1426  -  J1427  -  J1428
        -  J1429  -  J1430  -  J1431  -  J1432  -  J1133     J1436     J1439     J1442     J1445     J1448
           J1513     J1529     J1533  -  J1534  -  J1535  -  J1536  -  J1537  -  J1538     J1540     J1547
        -  J1548  -  J1549     J2126     J2311

503613     J1124  -  J1125  -  J1126     J1418  -  J1419     J1426  -  J1427  -  J1428  -  J1429     J1432
           J1434  -  J1435     J1512  -  J1513     J1516

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1438

503630     J1117     J1332  -  J1333     J1349     J1423     J1436     J1441     J1444  -  J1445  -  J1446
           J1543

503631     J1205     J1211  -  J1212  -  J1213  -  J1214  -  J1215     J1219  -  J1220  -  J1221     J1225
           J1236  -  J1237     J1307  -  J1308     J1310     J1312     J1319  -  J1320  -  J1321  -  J1322
        -  J1323     J1335     J1345     J1408  -  J1409     J1410  -  J1411  -  J1412     J1413  -  J1414
        -  J1415  -  J1416  -  J1417  -  J1418     J1420  -  J1421  -  J1422     J1424     J1425  -  J1426
           J1430  -  J1431  -  J1432     J1510     J1512  -  J1513  -  J1514  -  J1515  -  J1516     J1518
        -  J1519  -  J1520  -  J1521  -  J1522  -  J1523  -  J1524  -  J1525     J1527     J1529  -  J1530
           J1534  -  J1535  -  J1536     J1548  -  J1549     J2124     J2323  -  J2324  -  J2325  -  J2326
           J2432     J2445     J2528     J2532  -  J2533     J2535  -  J2536  -  J2537  -  J2538  -  J2539
        -  J2548  -  J2541     J2545

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```

Change 2   2-407

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

```
        J1230

503632    J1334  -  J1348  -  J1423     J1436     J1443  -  J1444  -  J1445  -  J1446     J1543     J1545
       -  J1546  -  J1547     J1549

503633    J1331  -  J1332  -  J1333     J1335  -  J1336  -  J1337  -  J1338  -  J1339  -  J1348  -  J1341
          J1343  -  J1344     J1346     J1349  -  J1350  -  J1351     J1407  -  J1488  -  J1409  -  J1410
       -  J1411  -  J1412  -  J1413  -  J1414  -  J1415  -  J1416     J1419     J1422     J1438     J1433
       -  J1434  -  J1435  -  J1436     J1441  -  J1442  -  J1443  -  J1444  -  J1445  -  J1446     J1588
       -  J1509  -  J1518     J1513  -  J1514  -  J1515     J1517     J1520  -  J1521     J1523  -  J1524
       -  J1525  -  J1526     J1528     J1539     J1543  -  J1544  -  J1545  -  J1546     J1548     J1617
          J2220     J2437  -  J2438  -  J2439  -  J2448     J2445     J2532     J2537  -  J2538  -  J2539
       -  J2548     J2545

503634    J1343     J1346     J1423     J1436     J1444  -  J1445  -  J1446     J1515     J1546  -  J1547

503635    J1333     J1412     J1430     J1433  -  J1434  -  J1435     J1514     J1524  -  J1525     J1533
          J2534  -  J2535

503637    J1346

503647    J1329  -  J1330  -  J1331     J1333  -  J1334     J1336  -  J1337  -  J1338  -  J1339  -  J1340
       -  J1341  -  J1342  -  J1343  -  J1344  -  J1345  -  J1346  -  J1347     J1349     J1418     J1422
          J1427     J1431  -  J1432  -  J1433     J1439     J1442     J1447  -  J1448     J1512  -  J1513
       -  J1514  -  J1515  -  J1516     J1518     J1522  -  J1523     J1527  -  J1520  -  J1529  -  J1530
          J1534  -  J1535     J1539     J1547  -  J1548  -  J1549

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1230     J1438

503651    J1348  -  J1349  -  J1350  -  J1351     J1426     J1432     J1441

503653    J1332     J1334  -  J1335     J1337     J1341     J1348  -  J1349  -  J1350  -  J1351     J1420
       -  J1421  -  J1422  -  J1423  -  J1424     J1439  -  J1440     J1446     J1535
503655    J1123  -  J1124     J1126  -  J1127     J1317  -  J1318  -  J1319  -  J1320  -  J1321  -  J1322
          J1325  -  J1326     J1329  -  J1330  -  J1331  -  J1332  -  J1333  -  J1334  -  J1335  -  J1336
       -  J1337  -  J1338  -  J1339  -  J1340  -  J1341     J1342  -  J1343  -  J1344  -  J1345     J1347
          J1407     J1410     J1413     J1418  -  J1419  -  J1420  -  J1421  -  J1422  -  J1423     J1425
       -  J1426  -  J1427  -  J1428  -  J1429  -  J1430  -  J1431  -  J1432  -  J1433  -  J1434  -  J1435
       -  J1436     J1441     J1444     J1446  -  J1447  -  J1448     J1512  -  J1513  -  J1514  -  J1515
       -  J1516     J1519  -  J1520  -  J1521  -  J1522  -  J1523     J1526  -  J1527     J1529     J1534
          J1538     J1546

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1230     J1438

503671    J1129     J1134     J1237     J1331     J1334  -  J1335     J1339     J1345  -  J1346  -  J1347
          J1408  -  J1409  -  J1410  -  J1411  -  J1412     J1415  -  J1416  -  J1417  -  J1418  -  J1419
       -  J1420  -  J1421  -  J1422  -  J1423  -  J1424  -  J1425  -  J1426     J1428     J1430  -  J1431
       -  J1432  -  J1433  -  J1434  -  J1435  -  J1436     J1441     J1444  -  J1445  -  J1446     J1514
       -  J1515     J1520     J1522  -  J1523     J1526     J1532     J1534     J1539     J1544     J1547
```

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
        J2126     J2213     J2219     J2232     J2311     J2348     J2420     J2423     J2527  -  J2528
        J2532  -  J2533     J2537     J2539  -  J2540

503677     J1113  -  J1114     J1116     J1121     J1134     J1226     J1319  -  J1320  -  J1321  -  J1322
        -  J1323     J1325  -  J1326     J1329  -  J1330  -  J1331  -  J1332  -  J1333  -  J1334  -  J1335
        -  J1336     J1339  -  J1340  -  J1341  -  J1342     J1420     J1426     J1427  -  J1428  -  J1429
        -  J1430  -  J1431  -  J1432  -  J1433  -  J1434  -  J1435     J1440     J1441     31443     J1444
           J1447  -  J1448     J1507     J1509  -  J1518  -  J1511  -  J1512  -  J1513     J1515     J1521
           J1526  -  J1527     J1529     J1534  -  J1535     J1539  -  J1540     J1546     J1548  -  J1549
           J2104     J2136  -  J2137  -  J2138     J2140     J2208  -  J2209  -  J2210  -  J2211     J2213
        -  J2214  -  J2215  -  J2216  -  J2217     J2219  -  J2220  -  J2221     J2225     J2227     J2232
        -  J2233     J2238     J2240     J2246     J2304     J2308  -  J2389     J2322     J2341     J2401
           J2408  -  J2489     J2424     J2434     J2439     J2441  -  32442  -  J2443  -  32444  -  J2445
        -  J2446     J2514     J2524  -  J2525     J2527     J2532  -  J2533  -  J2534  -  J2535  -  J2536
           J2539     J2541  -  J2542  -  J2543  -  J2544  -  J2545  -  J2546
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
           J1230     J1438     J2130     J2230     J2330
```

```
503781     J1115     J1123     J1231     J1329     J1335     J1347     J1427     J1435     J1440     J1442
        -  J1443     J1516     J1526  -  J1527     J1529     J1533  -  J1534  -  J1535  -  J1536  -  J1537
        -  J1538  -  J1539  -  J1548     J1547

583704     J1538

503705     J1346     J1417  -  J1418  -  J1419     J1423     J1531  -  J1532

583706     J1329     J1524  -  J1525     J1527     J1538  -  J1531  -  J1532  -  J1533  -  J1534
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
           J1438

503707     J1530  -  J1531  -  J1532

503711     J1340     J1342     J1410  -  J1411  -  J1412  -  J1413  -  J1414  -  J1415  -  J1416  -  J1417
           J1419     J1421  -  J1422  -  J1423  -  J1424  -  J1425     J1431     J1441     J1444  -  J1445
           J1510     J1513     J1518     J1522  -  J1523     J1533  -  J1534  -  J1535  -  J1536

503712     J1132     J1207     J1219     J1231     J1313     J1317     J1329  -  J1330  -  J1331  -  J1332
        -  J1333  -  J1334  -  J1335  -  J1336  -  J1337  -  J1338  -  J1339  -  J1340  -  J1341  -  J1342
        -  J1343  -  J1344  -  J1345  -  J1346     J1348  -  J1349  -  J1350  -  J1351     J1407  -  J1488
        -  J1409  -  J1410  -  J1411  -  J1412  -  J1413  -  J1414  -  J1415  -  J1416  -  J1417  -  J1418
        -  J1419  -  J1420  -  J1421  -  J1422  -  J1423  -  J1424  -  J1425  -  J1426  -  J1427  -  J1428
        -  J1429  -  J1430  -  J1431  -  J1432  -  J1433  -  J1434  -  J1435  -  J1436     J1439  -  J1440
        -  J1441  -  J1442  -  J1443  -  J1444  -  J1445  -  J1446  -  J1447  -  J1448     J1507  -  J1508
        -  J1509  -  J1510  -  J1511  -  J1512  -  J1513  -  J1514  -  J1515  -  J1516  -  J1517  -  J1518
        -  J1519  -  J1520  -  J1521  -  J1522  -  J1523  -  J1524  -  J1525  -  J1526  -  J1527  -  J1528
        -  J1529  -  J1530  -  J1531  -  J1532  -  J1533  -  J1534  -  J1535  -  J1536  -  J1537  -  J1538
        -  J1539  -  J1540     J1543  -  J1544  -  J1545  -  J1546  -  J1547     J1548  -  J1549     J2120
           J2126     J2143     J2307     J2311  -  J2312     J2318     J2323     J2328     J2335     J2402
           J2405     J2407     J2419     J2502  -  J2503  -  J2504     J2535  -  J2536
```

Change 2   2-409

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

504000
```
    J1107  -  J1108  -  J1109  -  J1110  -  J1111     J1113  -  J1114     J1116     J1120  -  J1121
    J1123  -  J1124     J1226     J1319  -  J1320  -  J1321  -  J1322  -  J1323     J1325  -  J1326
    J1329  -  J1330  -  J1331  -  J1332  -  J1333  -  J1334  -  J1335     J1339  -  J1340  -  J1341
 -  J1342     J1426  -  J1427  -  J1428  -  J1429  -  J1430  -  J1431  -  J1432  -  J1433  -  J1434
 -  J1435     J1444     J1513     J1527     J1529     J1534     J1539  -  J1540     J2229     J2441
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1230

504063   J2421

504076   J1115

504077
```
    J1115     J1118     J1124     J1134     J1210  -  J1211     J1213  -  J1214  -  J1215     J1217
    J1221  -  J1222     J1227  -  J1228  -  J1229     J1231  -  J1232     J1235  -  J1236     J1546
    J2137  -  J2138     J2240     J2441     J2514
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1230

504188   J1113 - J1114   J1116

504107   J1124   J1336   J1339

584112
```
    J1110  -  J1111     J1113     J1115     J1118     J1122  -  J1123     J1125  -  J1126  -  J1127
    J2209     J2216     J2219  -  J2220     J2224  -  J2225     J2229     J2231     J2233     J2237
    J2325  -  J2326     J2427
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2130

504116   J1124

504280   J2502   J2586

584201   J1118   J1113   J1115 - J1116 - J1117   J1122 - J1123 - J1124 - J1125 - J1126
       - J1127

504220   J1111   J1121

584237   J1118   J1115 - J1116   J1121   J1134

504267   J1113 - J1114   J1122 - J1123 - J1124   J3126 - J1127   J1231

504303   J1123   J1127

584341   J1115 - J1116   J1123

504342   J1287   J1218   J1386   J1325   J1409   J1417   J1429   J3525   J1528   J1537
          J1545

504407   J1111

2-410   Change 2

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS DIAGNOSE STATUS	IOU OFF IOU OFF	CPU OFF CPU OFF							
STOP				**CONNECTORS**					
504428	J2131	J2427	J2535						
504422	J1116	J1205 -	J1206	J1208	J1214	J1229	J1237	J1319	J3468 - J1489
	J1431	J1539	31543	J2233	J2438	J2519	J2524	J2526	J2535
504424	J1288	J1426	J2438						
504518	J1124								
584526	J1111	J1223	J1229	J:233	J1307	J1344	J1421	J1430	J1432 J1435
	- J1436	J1446	J1510	J1324	J2134	J2205	J2207	J2317	J2340 J2426
	J2431	J2433	J2435	J2442 -	J2443	J2518 -	J2519	J2524	J2526 J2533
	- J2534	J2536							
584537	J1115 -	J1116	J1123						
584542	J2317	J2322							
504544	J2317	J2322							
504550	J2322								
504568	J2317								
504630	J2247	J2342 -	J2343						
504737	J2342 -	J2343							
504748	J2520								
584750	J1113	J2338							
504751	J2131	J2281	J2288 -	J2209 -	J2210. -	J2212	J2214 -	J2215 -	J2216 - J2217
	J2219 -	J2228	J2222	J2224 -	J2225	J2227 -	J2228 -	J2229	J2231 - J2232
	- J2233	J2237 -	J2238 -	J2239 -	J2240 -	J2241	J2246	J2304	J2324 - J2325
	- J2326 -	J2327	J2344						

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J2130

504771	J2225	J2237 -	J2238	J2412 -	J2413	J2519
5060068	J2133 -	J2134	J2141 -	J2142	
506001	J2141 -	J2142			
506082	J2133 -	J2134	J2141	J2143 -	J2144
506083	J2133 -	J2134	J2142 -	J2143 -	J2144
506007	J2134				

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF | | | | | | | | |
| DIAGNOSE STATUS | IOU OFF | CPU OFF | | | | | | | | |

STOP   **CONNECTORS**

506012	J2128	12134	J2136	J2139	J2141	-	32142	-	J2143	-	J2144
506013	J2128	J2131	J2136	J2139							
586014	J2133	J2141	-	J2142							
506015	J2133	J2141	-	J2142	J2144						
506816	J2134	J2143	-	J2144							
586026	J2125										
506027	J2142										
506831	J2133	J2141	-	J2142							
506032	J2133	J2143	-	J2144							
506033	J2133	-	J2134	J2139	J2143	-	J2144				
506042	J2139										
506045	J2134	J2141	-	J2142							
506055	J2121										
506056	J2117	J2120	-	J2121	-	J2122	J2125	J2132	J2140		
506057	J2140										

506060   J1124   J2117   J2119   J2121 - J2122   J2124 - J2125 - J2126   J2128 - J2129
             J2132 - J2133 - J2134   J2136 - J2137 - J2138 - J2139 - J2140 - J2141 - J2142
       - J2143 - J2144

| 586061 | J2131 | | | | | | | | | | |
| 586862 | J2132 | | | | | | | | | | |

506065   J1231   J1513   J2117 - J2118 - J2119 - J2120 - J2121   J2124 - J2125 - J2126
            J2128 - J2129   J2131 - J2132 - J2133 - J2134   J2137   J2139 - J2140   J2142
       - J2143 - J2144   J2281   J2203   J2205   J2287   J2212   J2214 - J2215 - J2216
       - J2217 - J2218 - J2219   J2226   J2235   J2239 - J2240   J2381   J2303 - J2304
            J2307   J2309   J2311   J2313 - J2314   J2319 - J2320   J2323   J2326   J2328
            J2337 - J2338   J2401 - J2402 - J2483 - J2404 - J2405 - J2486 - J2487   J2410
       - J2411   J2414   J2416   J2421   J2424   J2426 - J2427 - J2428   J2584 - J2585
            J2508   J2510   J2512 - J2513   J2516 - J2517

586066   J2121 - J2122   J2124 - J2125 - J2126   J2128 - J2129   J2132 - J2133 - J2134
            J2136   J2138 - J2139 - J2140 - J2141 - J2142 - J2143 - J2144

| 506073 | J2125 | J2140 | J2142 | | | | | | | | |

2-412   Change 2

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS DIAGNOSE STATUS	IOU OFF IOU OFF	CPU OFF CPU OFF						
STOP						**CONNECTORS**		
506074	J2118 - J2119	J2121 - J2122	J2124 - J2125 - J2126	J2128	J2133 - J2134			
	J2137 - J2138	J2140 - J2141 - J2142 - J2143 - J2144						
506181	J2125							
506102	J2133 - J2134	J2141 - J2142 - J2143 - J2144	J2331	J2333	J2338	J2518		
	- J2519 J2522							
506103	J1110 J1509	J2101	J2133 - J2134	J2141 - J2142	J2216	J2318 - J2319		
	- J2320 - J2321	J2331	J2337 - J2338	J2408	J2523	J2543	J2545 - J2546	
506104	J1509 J1516	J2132 - J2133 - J2134	J2139	J2141 - J2142 - J2143 - J2144				
	J2320 - J2321	J2323	J2542 J2544					
506105	J2134	J2143 - J2144						
586106	J1128	J1133	J1527	J2122	J2124 - J2125 - J2126	J2128	J2136	J2142
506107	J2143							
506114	J2128	J2132	J2134	J2141 - J2142 - J2143 - J2144				
506115	J2133	J2142 - J2143	J2337					
586116	J2143							
506117	J2142							
506120	J2143							
506121	J2133	J2140	J2143 - J2144					
506127	J2128							
506130	J2122	J2124	J2138 - J2139 - J2140					
506131	J2121	J2133 - J2134	J2143 - J2144					
506144	J2121							
506160	J2125							
506162	J1124	J2117	J2119	J2121 - J2122	J2124 - J2125 - J2126	32128 - J2129		
	J2131 - J2132 - J2133 - J2134	J2136 - J2137 - J2138 - J2139 - J2140 - J2141						
	- J2142 - J2143 - J2144							
506163	J2121	J2125	J2131	J2134	J2140	J2142 - J2143		
506167	J1115	J1231						
586170	J1124	J1335	J2125 - J2126	J2128	J2132 - J2133 - J2134	J2136	J2139	

Change 2   2-413

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

	-	J2140		-	211	-	J2142	-	J2143	-	J2144							
586171		J2143																	
586176		J2121	-	J2122		J2124	-	J2125	-	J2126		J2128		J2133	-	J2134		J2141	-	J2142
	-	J2143	-	J2144															
586200		J2121																	

506214
J1188	J1115	-	J1116	-	J1117	-	J1118	J1123	J1288	J1231	J1329	-	J1330
J1426	J1429		J1434	-	J1435		J1527	J2117	- J2118	- J2119	- J2120	- J2121
J2126	J2129		J2131		J2136	-	J2137	- J2138	- J2139	- J2140	J2403	J2407
J2413	J2423		J2441		J2514	-	J2515	J2518	J2524	- J2525		

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2330

506215
```
  J1110  -  J1111     J1113  -  J1114  -  J1115     J1121     J1124     J1226     J1231     J1329
  J1331     J1335     J1339  -  J1340     J1427     J1434     J1447     J1509     J1512     J1514
  J1516     J2101  -  J2102  -  J2103  -  J2104     J2117  -  J2118  -  J2119  -  J2120  -  J2121
-  J2122     J2124  -  J2125  -  J2126     J2128  -  J2129     J2131  -  J2132  -  J2133  -  J2134
  J2136  -  J2137  -  J2138  -  J2139  -  J2140  -  J2141  -  J2142  -  J2143  -  J2144     J2201
-  J2202  -  J2203     J2285     J2208  -  J2209     J2212  -  J2213     J2215  -  J2216  -  J2217
-  J2218  -  J2219  -  J2220  -  J2221  -  J2222     J2224  -  J2225  -  J2226  -  J2227  -  J2228
  J2231  -  J2232  -  J2233     J2236  -  J2237  -  J2238  -  J2239  -  J2240     J2241     J2246
-  J2247     J2302  -  J2303  -  J2304     J2308  -  J2309     J2323  -  J2324  -  J2325  -  J2326
  J2339  -  J2340  -  J2341     J2402  -  J2403     J2407     J2411     J2413     J2417     J2419
-  J2428  -  J2421  -  J2422  -  J2423     J2441  -  J2442  -  J2443  -  J2444     J2583  -  J2584
  J2509     J2513  -  J2514  -  J2515     J2517  -  J2518     J2523  -  J2524  -  J2525     J2527
  J2531  -  J2532  -  J2533  -  J2534  -  J2535  -  J2536     J2541  -  J2542  -  J2543  -  J2544
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J2130   J2330

586216
```
  J1116     J1121     J1226     J1319  -  J1320  -  J1321  -  J1322  -  J1323     J1325  -  J1326
  J1329     J1330  -  J1331  -  J1332  -  J1333  -  J1334  -  J1335  -  J1336     J1339  -  J1340
-  J1341  -  J1342     J1426  -  J1427  -  J1428  -  J1429  -  J1430  -  J1431  -  J1432  -  J1433
-  J1434  -  J1435     J1440  -  J1441     J1444  -  J1445     J1513     J1527     J1529     J1534
  J1539  -  J1540     J1546     J2229
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1230

586217
```
  J1109  -  J118O  -  J1111     J11 4  -  J1115  -  J1116     J1118     J1121     31123     J1330
  J1335     J1418  -  J1419     J1422     J1426  -  J1427  -  J1428     J1432     J1513     J1516
  J2227     J2308     J2318     J2320  -  J2321  -  J2322  -  J2323  -  J2324  -  J2325  -  J2326
  J2441     J2533     J2543  -  J2544
```

586228
```
  J1114     J1335     J1339  -  J1340     J1420     J1426  -  J1427  -  J1423     J1434     J1509
  J1516     J2101     J2117  -  J2118  -  J2119  -  J2120  -  J2121     J2125  -  J2126     J2120
-  J2129     J2132  -  J2133     J2136  -  J2137  -  J2138  -  J2139  -  J2140     12208     J2212
  J2216     J2218  -  J2219  -  J2220  -  J2221     J2226  -  J2227     J2233     J2237  -  J2238
```

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
          -  J2239  -  J2240     J2244     J2303     J2314  -  J2315  -  32316  -  J2317     J2320  -  J2321
          -  J2322     J2332     J2337     J2401  -  J2482     J2488     J2419     J2432     32514     J2522
             J2531  -  J2532  -  J2533  -  J2534  -  J2535  -  32536     J2541  -  J2542

506221       J1113  -  J1114     J1329     J1335     J1420     J1426  -  J1427  -  J1428  -  J1429     J1434
          -  J1435     J1509     J1511     J1516     J2104     J2118  -  J2119     J2126     J2129     J2131
          -  J2132  -  J2133  -  J2134     J2136  -  J2137  -  J2138  -  J2139  -  J2140     J2212     J2216
             J2218  -  J2219  -  J2220  -  J2221     J2224     J2227     J2233     J2237  -  J2238     J2240
             J2303  -  J2304     J2314  -  J2315  -  J2316  -  J2317     J2320  -  J2321  -  32322  -  J2323
             J2332     J2401  -  J2482     J2408     J2419     J2432     J2513  -  J2514     J2532  -  J2533
          -  J2534  -  J2535     J2541

506300       J110B  -  31109     J1113  -  J1114     J1116  -  J1117     J1120  -  J1121     J1123  -  J1124
             J1128  -  J1129     J1132     J1213     J1235

506301       J1168  -  J1109     J1114     J1116     J1124     J1329     J1426     J1439     J1514     J1530
          -  J1531  -  J1532

506302       J1107  -  J1188  -  J1109  -  J1118     J1116  -  J1117     J1122  -  J1123  -  J1124  -  J1125
             J2338     J2528

506304       J1187  -  J1188  -  J1109  -  J1118  -  J1111     J1113  -  J1114  -  J1115  -  J1116  -  J1117
          -  J1118     J1121     J1123     J1132  -  J1133  -  J1134     J1209     J1211  -  J1212     J1231
             J2233     J2502     J2505  -  J2586

586307       J1114     J1117     J1124     J1439     J2338
506311       J1107  -  J1108 -   J1189  -  J1118 -    J1111     J1113  -  J1114  -  J1115  -  J1116  -  J1117
          -  J1118     J1120  -  J1121  -  J1122  -  J1123  -  J1124     J1125  -  J1126  -  J1127  -  J1128
          -  J1129     J1132     J1209  -  J1210     J1213     J1231

             SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
             J1230

506313       J1120     J1129

566315       J1124     J2528

506316       J1111     J1113     J1124  -  J1125  -  J1126  -  J1127

506317       J1118     J1120

506322       J1107  -  J1108  -  J1109  -  J1110  -  J1111     J1113  -  J1114  -  J1115  -  J1116  -  J1117
          -  J1118     J1120  -  J1121  -  J1122  -  J1123  -  J1124  -  J1125  -  J1126  -  J1127  -  J1128
          -  J1129     J1132  -  J1133  -  J1134     J1235     J1329     J1439     J1549

506332       J1344

506336       J2236

506337       J1124     J1350  -  J1351     J1439
```

Change 2   2-415

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

506340   J1329   J1348 - J1349 - J1350 - J1351   J1419 - J1420   J1426   J1432   J1439
         J1441   J1443   J1445 - J1446   J1549

506341   J1351   J1439   J1443

506342   J1351

506343   J1350 - J1351   J1431   J1433   J1441

586344   J1114 - J1115   J1117   J1123   J1129   J1133   J1213   J1329   J2514   J2520
         J2522

586350   J1115 - J1116   J1120 - J1121   J1228   J1330   J1350 - J1351   J1439 - J1440
         J1446   J1535

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1238

586351   J1118   J2126   J2520

506353   J1329   J1418   J1422   J1435 - J1436   J1439   J1441 - J1442 - J1443   J1446
      - J1447   J1527   J1530 - J1531 - J1532   J1536 - J1537 - J1538   J1548

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1438

506354   J1120   J1124   J1324 - J1325 - J1326   J1329 - J1330   J1334   J1339 - J1340
         J1343 - J1344 - J1345 - J1346 - J1347 - J1348 - J1349 - J1350 - J1351   J1407
         J1410   J1413   J1416 - J1417   J1419   J1423   J1425   J1427   J1439   J1516

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1230   J1438

506400   J1110 - J1111   J1117   J1120   J1122   J1125   J1225   J1227   J1232   J1330

506410   J1114   J1117   J1124   J1329   J1426   J1439   J1514 - J1515 - J1516 - J1517
      - J1518 - J1519 - J1520 - J1521 - J1522 - J1523 - J1524 - J1525   J1527   J1529
      - J1530 - J1531 - J1532 - J1533 - J1534   J1537 - J1538   J1540   J1548

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1438

506461   J1107 - J111088 - J1109 - J1110 - J1111   J1113 - J1114 - J1115 - J1116 - J1117
      - J1118   J1121   J1123 - J1124 - J1125   J1128 - J1129   J1132 - J1133 - J1134

31209 - J1210 - J1211 - J1212 - J1213   J1218 - J1219   J1231 - J1232   J1235
      - J1236 - J1237   J1305 - J1306   J1312 - J1313 - J1314 - J1315   J1317   J1329
         J2481   J2514

         SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1238

586476   J1116   J1118

2-416   Change 2

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

506533   J2331

506535   J2242   -   J2243   J2311   J2327   J2429   J2524   J2526

507031   J1113   J1116   J1134   J1446   J1448   J1517   J1546   -   J1547   -   J1548

507033   J1336   J2117   J2129

507034   J1108   1118   -   J1111   J1113   -   J1114   -   J1115   -   J1116   -   J1117   -   J1I18   J1120
        -   J1121   -   J1122   -   J1123   -   J1124   -   J1125   -   J1126   -   J1127   -   J1128   -   J1129   J1318
          J1331   J1340   J1430   -   J1431   J1445   J1517   J1523   J1533   J1539   J1546
        -   J1547   J2126   J2140

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1230

507035   J1115   -   J1116

507837   J2524   -   J2525   -   J2526   J2531   J2535   -   J2536

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J2330

507040   J1087   -   J1108   -   J1109   -   J1110   -   J1111   J1113   -   J1114   -   J1115   -   J1116   -   J1117
-     J1118   J1120   -   J1121   -   J1122   -   J1123   -   J1124   -   J1125   -   J1126   -   J1127   -   J1128
        -   J1129   J1132   J1209   -   J1210   -   J1211   J1219   J1231   -   J1232   J1235   -   J1236
        -   J1237   J1305   -   J1386   J1310   -   J1311   -   J1312   -   J1313   -   J1314   -   J1315   J1430
          J1440   J2325

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1230

507847   J1107   -   J1188   -   J1109   J1111   J1113   J1115

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1230

507051   J1331   -   J1332   -   J1333   -   J1334   J1336   J1341   J1433   J1440   -   J1441   J1446
        -   J1447   -   J1448   J1507   -   J1508   J1513   -   J1514   J1521   J1526   J1534

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1438

587852   J1110   -   J1111   J1113   -   J1114   -   J1115   -   J1116   -   J1117   -   J1I18   1121   -   J1122
          J1125   J1134   J1235

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1230

507054   J1341   -   J1342   J1345   J1427   -   J1428   -   J1429   J1431   -   J1432   -   J1433   -   J1434
        -   J1435   J1445   J1515   J1517

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1438

507055   J2533

507056   J2533   J2536

507063   J2137 - J2138   J2240   J2514

507865   J1325 - J1326   J1329 - J1330   J1347   J1435   J1443   J1516   J1526   J1529
       J1540

507066   J1111   J1114 - J1115   J1117 - J3118   J1120   J1128 - J1129   J1235

587070   J1426   J1428   J1430 - J1431 - J1432   J1434 - J1435   J1445   J1447 - J1448
       J1515   J1549

507074   J1447 - J1448   J1546   J1549

507105   J1109   J1531

507106   J1109   J1531

507107   J1109   J1531

507160   J1107 - J1108 - J1109 - J1110   J1114   J1117

507170   J1107 - J1108 - J1109   J1111   J1113   J1115   J1532

507171   J1107 - J1108 - J1109   J1111   J1113   J1532

507172   J1107 - J1188 - J1109   J1532

507173   J1187 - J1108 - J1109   J1532

507174   J1107 - J1188 - J1109   J1531

587175   J1107 - J1188 - J1109   J1117 - J1118

507176   J1107 - J1108 - J1109

507177   J1107 - J1108 - J1109

507221   J1113   J1116   31121   J1226   J1319 - J1320 - J1321 - J1322 - J1323   J1325
    - J1326   J1329 - J1330 - J1331 - J1332 - J1333 - J1334 - J1335 - J1336   J1339
    - J1340 - J1341 - J1342   J1426 - J1427 - J1428 - J1429 - J1430 - J1431 - J1432
    - J1433 - J1434 - J1435   J1440   J1444   J1527   J1529   J1534   J1539 - J1548
       J2229

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1238

TABLE 2-27. VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

507301   J1333   J1349   J1428

507455   J1226 J1329 - J1330 J1333 - J1334 - J1335 - J1336 - J1337 - J1338 - J1339
       - J1340 - J1341 - J1342 - J1343 - J1344 J1349 J1418 J1422 J1426 - 31427
         J1429 - J1430 - J1431 - J1432 - J1433 - J1434 - J1435 - J1436 J1440 J1446
       - J1447 - J1448 J1512 J1514 - J1515 - J1516 J1527 J1529 J1534 J1539
         J1548 - J1549 J2137 J2140

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1230   J1438

507464   J11128   J1133   J1527

5075800   J118 - J1111 J1113 J1115 - J1116 J1123 - J11124 J1126 - J1127 J1133

507501   J11087 - J1108 - J3189 - J1118 - J1111 J1113 - J1114 - J1115 - J1116 - J1117
       - J1118 J1121 - J1122 - J1123 - J1124 - J1125 - J1126 - J1127 J1132 - J1133
         J1229 J1335 J2240 J2408 J2441 - J2442 - J2443 - J2444 - J2445 - J2446
         J2533 - J2534 J2536 J2541 - J2542 - J2543 J2545 - J2546

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J2330

507503   J1111

507504   J1B08 J1110 - J1ll J1113 J1115 - J1116 J1122 - J1123 - J1124 - J1125
       - J1126 - J1127 J11133 - J11134 J1229 J1320 J1331 J1335 J1340 - J1341
         J1345 J1423 J1426 - J1427 - J1428 - J1429 J1431 - J1432 - J1433 - J1434
       - J1435 - J1436 J1439 J1447 - J1448 J1514 - J1515 J1519 - J1520 - J1521
       - J1522 - J1523 J1525 J1529 J1534 - J1535 J1538 J1540 J1545 - J1546
       - J1547 - J1548 - J1549 J2139 - J2140 J2216 J2302 J2304 J2309 - J2310
         J2319 J2323 J2401 J2424 J2439 J2442 J2445 - J2446 J2509 J2531
       - J2532 - J2533 - J2534 - J2535 - J2536 J2541 J2543 J2545 - J2546

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1438

507511   J2408

507543   J1110 - J1111 J1113 J1115 J1121 J1126 J1128 - J1129 J1133 J1229
         J1335 J1423 J1439 J1527 J2247

507577   J1426 J1432 J1435 J1442 J1445 J1447 - J1448 J2104 J2131 J2208
         J2212 - J2213 J2215 - J2216 - J2217 - J2218 - J2219 - J2220 - J2221 J2224
       - J2225 - J2226 - J2227 J2232 - J2233 J2240 J2246 J2304 J2309 J2322
         J2408 J2441 - J2442 - J2443 - J2444 - J2445 - J2446 J2524 - J2525 J2527
         J2531 - J2532 - J2533 - J2534 - J2535 - J2536 J2541 - J2542 - J2543 - J2544
       - J2545 - J2546

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1438   J2130   J2230   J2330

TABLE 2-27.   VPU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

50770880   J1108   JI178   -   J1188   -   J1109   -   J1110   -   J1111   J1113   -   J1114   -   J1115   -   J1116
          -   J1118   J1120   -   J1121   -   J1122   -   J1123   -   J1124   -   J1125   -   J1126   -   J1127   -   11128
          -   J1129   J1132   -   J1133   J1329   J1333   J1417   -   J1418   J1429   -   J1430   -   J1431
          -   J1432   J1434   J1443   J1445   J1447   -   J1448   J1512   J1526   -   J1527   J1539
              J1546   J1548   -   J1549

507705   J1187   -   31108   - J1109   -   J1110   -   J1111   J1113   -   J1114   -   J1115   -   J1116   -   J1117
          -   J1118   J1120   J1123   -   J1124   -   J1125   J1128   -   J1129   J1132   -   J1133   J1227
              J1329   J2514

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1230

507742   J1107   -   J1108   -   J1109   -   J1110   -   J1111   J1113   -   J1114   -   J1115   -   J1116   -   J1117
          -   J1118   J1120   -   J1121   -   J1122   -   J1123   -   J1124   -   J1125   -   J1126   -   J1127   -   J1128
          -   J1129   J1132   -   J1133   J1209   -   J1210   -   J1211   J1213   J1225   -   J1226   -   J1227
          -   J1228   -   J1229   J1232   J1332   -   J1333   J1341   -   J1342   J1417   -   J1418   -   J1429
          -   J1430   -   J1431   -   J1432   J1434   J1439   J1443   J1447   -   J1448   J1507   -   J1508
              J1511   -   J1512   -   J1513   -   J1514   J1521   J1526   J1533   -   J1534   J1546   -   J1547
          -   J1548   -   J1549   J2233   J2338

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1230

572610   J2236

774508   J1518

2-420   Change 2

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

NOTES:

ALL CIRCUIT CARD ASSEMBLIES ARE LOCATED IN RACK 1 DOOR B RADAR/SIMULATOR UNIT A6 UNLESS OTHERWISE NOTED.

IF A LINE RECEIVER CARD (10281656) OR A CFAR QUANTIZER CARD (10281657) IS SUBSTITUTED REFER TO TM9-1430-651-14 FOR ALIGNMENT INSTRUCTIONS.

ALL DIGITAL CARDS ARE LOCATED IN THE RIU UNLESS OTHERWISE NOTED

000000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1115   J1208   J1215 - J1216   J1220   J1322   J1408   J1418 - J1411   J1414
        J1416 - J1417   J1506 - J1507   J1514 - J1515   J1517   J1520 - J1521

500706   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1420

501506   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1506

501510   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1420   J1506   J1520

501513   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1109   J1111   J1210   J1219   J1320   J1407   J1413 - J1414 - J1415 - J1416
    - J1417   J1420   J1506 - J1507   J1510 - J1511   J1513 - J1514 - J1515   J1519
        J1521

501515   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1506

581532   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1513

501550   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1519

501623   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1514

501632   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1507

501633   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1513 - J1514 - J1515

501700   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1507   J1513 - J1514 - J1515

501703   SUBSTITUTE THE FOLLOWIING CARD ASSEMBLIES:

Change   2-421

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

        J1507   J1515

501705   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1506

501706   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1506

501710   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1586

581711   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1506   -   J1507

501712   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1108 - J1109   J1219   J1506 - J1587   J1510 - J1511   J1513 - J1514

501713   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1586

501735   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1506   -   J1587

501741   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1587

501765   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1586   -   J1507

502177   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1519

503561   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1428

583562   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1520

503631   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1124   J1219   J1317   J1320   J1420   J1510   J1513   J1517   J1521

503633   SUBSTITUTE THE FOLLO1liNG CARD ASSEMBLIES:
        J1420

503655   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1420

503671   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1208   J1220 - J1221 - J1222   J1313   J1420   J1517   J1521

503677   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1420   J1521

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

503711   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1124   J1521

503712   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1220 - J1221   J1517   J1521

504000   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1106 - J1107 - J110B - J1109 - J 1118   J1112   J1114 - J1115 - J1116 - J1117
    J1420   J1506

504077   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1124   J1420

504112   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1108   J1115   J1117

504200   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1112

504235   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1110 - J1111 - J1112 - J1113 - J1114

504236   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1110 - J1111 - J1112 - J1113 - J1114

504237   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1107 - J118   J1110 - 1111 - 111 - J112 - J1113 - J1114

504254   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

504262   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

504273   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1110 - J1111   J1113 - J1114

504314   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1118 - J1111 - J1112 - J1113 - J1114

504320   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1107

504341   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1107

504342   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1106 - J1107 - J1108 - J1109   J1112   J1115 - J1116

504350   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1188

Change 2   2-423

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

504352   SUBSTITUTE-THE FOLLOWING CARD ASSEMBLIES:
        J1106   J1124

504377   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1106 - J1107 - J1108 - J1109 - J1110   J1113 - J1114 - J1115 - J1116 - J1117
        J1124

504401   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1187 - J1188

504402   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1188

504404   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1187 - J1108

504410   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1116

504411   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1106 - J11087 - J1108 - J1189   J1116 - J1117

504412   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1116 - J1117

504413   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1116 - J1117

504420   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1106 - J1107 - J1108 - J1109   J1115 - J1116 - J1117

504421   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1118   J1114

504422   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1110 - J1111   J1413

504424   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1187   J1114

584461   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1110   J1112

504463   SUBSTITUTE THE FOLLOWGING CARD ASSEMBLIES:
        J1113

584464   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1188

504467   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1113 - J1114

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

504502   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1110

504504   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1106   J1118   -   J1111

504510   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1111   -   J1112   J1114

504521   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1108

504522   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1112

504526   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1106   -   J1107   -   J1108   J1111   -   J1112   J1115   -   J1116   -   J1117   J1312   J1507

504537   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1112   J1114   -   J1115

504542   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1188   J1115

504600   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J110   J1114

504601   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1110

504602   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1110

504604   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1110   -   J1111

504610   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1111

504614   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

504616   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

504620   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1118   -   J1111   -   J1112

504661   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1112

Change 2   2-425

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

564662   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1113

504664   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1113

504701   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

584702   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

504704   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

504710   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

504721   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

504722   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114

504771   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1114   J1222

505400   J1119   J1131   J1144   J1146 - J1147 - J1148

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1123 - J1124   J1208   J1210   J1215 - J1216   J1220 - J1221 - J1222   J1323
    J1327   J1519 - J1520 - J1521

505401   J1119   J1131   J1144   J1146 - J1147 - J1148

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1220

505402   J1119   J1131   J1144   J1146 - J1147 - J1148

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1220 - J1221 - J1222

505403   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1215

505405   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

2-426   Change 4

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

         J1212   J1220   -   J1221   -   J1222

505406   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1212   J1220   -   J1221   -   J1222

505407   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1220   -   J1221   -   J1222   J1322

505410   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1220   -   J1221   -   J1222   J1322

505411   J1131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505412   J1131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505413   J1131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505414   J1131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505415   J1131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505416   J1131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1228

505417   J1131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505420   J1131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505421   J1131   J1147

Change 2   2-427

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505422   31131   J1147

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1220

505423   J1119   J1135   J1144

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1221

585424   J1119   J1135   J1144

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1221

505425   J1319   J1135   J1144

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1221

565426   J1119   J1135   J1144

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1221

505427   J1119   J1135   J1144

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1221

505430   J1131   J1134 - J1135   31144

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1221

585431   J1131   J1134 - J1135   J1144

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1221

565432   J1131   J1134 - J1135   J1144

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1221

585433   J1131   J1134 - J1135   J1144   ,

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

        J1221

505434   J1131   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1221

505435   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222

505436   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222

505437   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222   J1322

505440   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222

505441   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222

505442   J1131   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222

505443   J1131   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222

505444   J1131   J1134   -   J1135   J1144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222

505445   J1131   J1134   -   J1135   31144

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1222

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

505447   J1131   J1147   -   J1148

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220   J1327

505450   REFER TO TM9-1430-655-20-3 FIGURE 3-17. STEP 15A

505451   REFER TO TM9-1403-655-20-3 FIGURE 3-17. STEP 15A

505460   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1123   -   J1124   J1221

505461   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1123   -   J1124   J1221

505500   J1119   J1131   J1134   -   J1135   J1144   J1146   -   J1147   -   J1148   J1240

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1123   -   J1124   J1208   J1210   J1215   -   J1216   J1220   -   J1221   -   J1222   J1323
      J1327   J1519   -   J1520   -   J1521

585501   J1119   J1131   J1144   J1146   -   J1147   -   J1148

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1208   J1220

505502   J1119   J1131   J1144   J1146   -   J1147   -   J1148

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1208   J1210   J1220   -   J1221   -   J1222

505503   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1215

505504   J1111   1130   J1135   J1147

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1123   -   J1124   J1220   -   J1221   -   J1222

505505   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1212   J1220   -   J1221   -   J1222

505506   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1212   J1220   -   J1221   -   J1222

585507   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1228   -   J1221   -   J1222   J1322

505510   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220   -   J1221   -   J1222   J1322

505511   J1131   J1147

2-430   Change 2

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

585512   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505513   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505514   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505515   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505516   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505517   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505520   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505521   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505522   J1131   J1147

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1220

505523   J1119   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

Change 2   2-431

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

        J1221

505524   J1119   J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

585525   J1119   J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

505526   J1119   J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

505527   J1119   J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

505530   J1131   J1134 - J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

505531   J1131   J1134 - J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

585532   J1131   J1134 - J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

585533   J1131   J1134 - J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

505534   J1131   J1'34 - J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1221

505535   J1134 - J1135   J1144

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
   J1222

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

505536   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

505537   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

505540   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

505541   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

585542   J1131   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

505544   J1131   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

505545   J1131   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

505546   J1131   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

505547   J1131   J1134   -   J1135   J1144

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1222

505550   TEST DIGITAL CARDS IN VPU J2509J2513   J2514   J2516   J2519   J2522
    REFER TO TM9-1430-655-20-3 FIGURE 3-17. STEP 1SA

505550   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1323

505551   TEST DIGITAL CARDS IN VPU J2509   J2513   J2514   J2516   J2519   J2522

Change 2   2-433

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

REFER TO TM9-1430-655-28-3 FIGURE 3-17. STEP 15A

585551   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1323

505560   J2113   -   J2114   J2132   J2134

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1123   -   J1124   J1216   J1221   -   J1222

505561   J2113   -   J2114   J2132   J2134

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1123   -   J11124   J1216   J1221   -   J1222

506800   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322   J1506

506001   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322   J1506

506002   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322   J1587

506003   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1288   J1218   -   J1219   J1322   J1507

566004   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1268   J1218   -   J1219   J1322   J1586

506005   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322

506006   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322

5860807   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322

506010   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1288   31210   -   J1219   J1322

506811   SUBSTITUTE THE FOLLOJINGO CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322

506012   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322

506013   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   -   J1219   J1322

506014   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

	J1208	J1218	-	J1219	J1322	J1506
506015	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	J1506
506016	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	J1507
506017	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506020	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506021	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506022	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506023	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506024	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506025	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506026	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506027	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506030	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506031	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	J1506
506032	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	J1587
506033	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	J1507
506034	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	
506035	SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:					
	J1208	J1218	-	J1219	J1322	

Change 2   2-435

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

506036   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

508683   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506040   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506041   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506042   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1216 - J1219   J1322

506043   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506044   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506045   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322   J1506

506046   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506047   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218-   J1219 J1322

506050   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506051   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1288   J1218 - J1219   J1322

586052   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506053   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506054   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506055   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

506056   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218 - J1219   J1322

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

506057   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1288   J1218 - J1219   J1322

506060   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322   J1506 - J1587

506061   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

506062   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

506063   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

506064   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1288   J1218 - J1219   J1322

506065   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

506066   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322   J1506 - J1507

506067   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1288   J1218 - J1219   J1322

506070   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

506071   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

506072   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1288   J1218 - J1219   J1322

506073   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

506074   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322   J1586 - J1587

506075   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1288   J1218 - J1219   J1322

506076   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

506077   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1208   J1218 - J1219   J1322

5061008   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

Change 2   2-437

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

```
           J1208      J1218   -  J1219    J1322

506101  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1288      J1218   -  J1219    J1322

506102  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1218   -  J1219    J1322    J1506

506103  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1288      J1216      J1218   -  J1219    J1322    J1506

506104  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1218   -  J1219    J1322    J1507

506105  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1288      J1218   -  J1219    J1322    J1507

506106  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1218   -  J1219    J1322

506107  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1288      J1218   -  J1219    J1322

506110  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1218   -  J1219    J1322

506111  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1288      J1218   -  J1219    J1322    J1507

506112  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1210      J1212

506113  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1210      J1212    J1322    J1507

506114  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1210      J1212

506115  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1210      J1212    J1322    J1506

506116  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1210      J1212

506117  SUBSTITUTE THE FOLOWING CARD ASSEMBLIES:
           J1200      J1210      J1212

506120  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1210      J1212

506121  SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208      J1210      J1212    J157
```

2-438   Change 2

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

506122   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506123   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506124   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208 J1210 J1212

506125   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1288   J1210   J1212

506126   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506127   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506130   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   J1212

506131   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212   J1507

506132   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506133   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1288 J1210 J1212

506134   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506135   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   J1212

506136   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1288   J1210   J1212

506137   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506140   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506141   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

506142   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212

Change 2   2-439

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

506143   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1288   J1210   J1212

506144   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506145   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506146   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1288   J1210   J1212

506147   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212   J1506

506150   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506151   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506152   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506153   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506154   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506155   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506156   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506157   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506160   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212

506161   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1218   J3112

506162   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212   J1586   -   J1587

506163   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1208   J1210   J1212   J15087

506164   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

2-440   Change 2

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

         J1208   J1210   J1212
506165 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506 166 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506167 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506170 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212   J1506 - J1507
506171 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212   J1506 - J1507
506172 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506173 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   Jl210   J1212
506174 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506175 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506176 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212   J1506 - J1507
506177 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212   J1507
506200 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506201 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506202 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1288   J1210   J1212
506203 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
         J1208   J1210   J1212
506204 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1212
506205 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1208   J1210   J1217

Change 2 2-441

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED
PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**
506206 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212
506207 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:.
    J1208   J1210   J1212
506210 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212
506211 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1218   J1212
506212 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208   J1210   J1212
506213 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1208   J1210   J1212
506214 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1108
506215 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1420   J1506 - J1507   J1519 - J1520
506216 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1420
506217 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1420
506220 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1520 - J1521
506221 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1521
506304 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1407   J1413
506332 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1519 - J1520 - J1521
505335 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1220
506477 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1106
507007 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES;:
    J1206

Change 2 2-442

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

507010   SUSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1420
507033   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1420
507034   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1208   J1420   J1519 -J1520   - J1521
507035   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1420
507037   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1420
507040   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1420
507051   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1420
507053   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1420
507057   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1420
507221   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1112   J1408   J1506
507450   TEST ALL DIGITAL CARDS IN (RIU) BAY 2 SHELF 3

507450   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1219   J1317   - J1718   J1320
507451   TEST ALL DIGITAL CARDS IN (RIU3 BAY 2 SHELF 3

507451   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
    J1219   J1317   - J1318   J1320
507452   TEST ALL DIGITAL CARDS IN (RIU3 BAY 2 SHELF 3

507452   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1219   J1317   - J1318   J1320
507453   TEST ALL DIGITAL CARDS IN (RIU3 BAY 2 SHELF 3

507453   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1219   J1317   - J1315   J1320

TABLE 2-28. RIE ANALOG TEST FAULT LOCATION - CONTINUED
PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**
507464   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1316
507500   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
     J1216   J1316   J1326
507501   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
     J1216   J1326   J1420   J1506
507503   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
     J1316   JI506
507504   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1316   J1322   J1327   J1411   J1506
507505   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1316
507511   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
     J1521
507577   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1214   J1313   J1420   J1520
507705   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1123
507706   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
     J1210
507707   J1140   J1147
     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1208
507730   J1140   J1147
     SUBSTITUTE THE FOLLOWING CARD ASSEMLIES::
     J1212

Change 2 2-444

TABLE 2-29. RIE MEMORY (SINGLE PORT) FAULT LOCATION

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

CAUTION

CMOS MEMORIES CONTAIN ELECTROSTATIC SENSITIVE DEVICES REQUIRING SPECIAL HANDLING TO AVOID ELECTROSTATIC DISCHARGE DAMAGE. WHEN REMOVING AND REPLACING MEMORY CARDS J1206 THRU J1216 OBSERVE THE FOLLOWING PRECAUTIONS :

A. IMMEDIATELY PRIOR TO HANDLING WITHIN THE SHELTER, MAKE PHYSICAL CONTACT WITH A GROUNDED SURFACE TO DISCHARGE ANY POSSIBLE BUILDUP OF STATIC ELECTRICITY.

B. PACKAGE THE MEMORY STORAGE CARDS IN ELECTROSTATIC BAGS PRIOR TO REMOVING FROM THE SHELTER.

NOTE

A LIST OF NON TESTABLE CARDS WITH CONNECTOR NUMBER, CARD TYPE, AND ASSOCIATED PART NUMBER IS PROVIDED BELOW. THIS LIST IS TO AID THE OPERATOR IN THE IDENTIFICATION OF THESE CARDS WHEN THEY ARE LISTED UNDER THE HEADER SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES.

CONNECTOR	TYPE	PART NUMBER
J1205	TIMING AND CONTROL	13143778
J1206	CMOS STORAGE	13143777
J1207	CMOS STORAGE	13143777
J1208	CMOS STORAGE	13143777
J1209	CMOS STORAGE	13143777
J1210	CMOS STORAGE	13143777
J1211	CMOS STORAGE	13143777
J1212	CMOS STORAGE	13143777
J1213	CMOS STORAGE	13143777
J1214	CMOS STORAGE	13143777
J1215	CMOS STORAGE-	13143777
J1216	CMOS STORAGE	13143777
J1217	QUAD TWO INPUT GATE	10283626

TABLE 2-29. RIE MEMORY (SINGLE PORT) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

501513   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES'
        J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213 - J1214
  - J1215 - J1216
501525   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
  - J1211 - J1212
501700   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213 - J1214
  - J1215 - J1216
501706   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1213
501712   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES;
        J1206
502300   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
        J1215
502301   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1214
502302   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1213 - J1214
502303   A. SUBSTITUTE   J1211
        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1206 - J1207 - J1208 - J1209 - J1210   J1212 - J1213 - J1214 - J1215
  - J1216
502304   A. SUBSTITUTE   J1210
        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1206 - J1207 - J1208 - J1209   J1211 - J1212 - J1213 - J1214 - J1215
  - J1216
502305   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1209
502306   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1207
502307   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1206   J1217
502310   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1215
502311   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1214
502312   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1212
502313   A. SUBSTITUTE   J1211
        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1206 - J1207 - J1208 - J1209 - J1210   J1212 - J1213 - J1214 - J1215
  - J1216
        502314   A. SUBSTITUTE J1210
        B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1206   - J1207 - J1208 - J1209 J1211   - J1212 - J1213 - J1214 - J1215
  - J1216
502315   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1208 - J1209
502316   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1207

TABLE 2-29. RIE MEMORY (SINGLE PORT) FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

502317   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206

502320   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
    J1215

502321   SUBSTITUTE The FOLLOWING CARD ASSEMBLIES:
    J1214

502322   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1212

502323   A. SUBSTITUTE   J1211
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206   - J1207   - J1208   - J1209 - J1210   J1212   - J1213 - J1214   - J1215
- J1216

502324   A. SUBSTITUTE   J1210
    J1206   - J1207   - J1208   - J1209   J1211 - J1212   - J1213 - J1214   - J1215
- J1216

502325   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208

502326   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1207

502327   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206

502330   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1215

502331   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1214

502332   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1213

502333   A. SUBSTITUTE   J1212
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206   - J1207   - J1208   - J1209 - J1210 - J1211   J1213 - J1214   - J1215
- J1216

502334   A. SUBSTITUTE   J1210
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206   - J1207   - J1208   - J1209   J1211 - J1212   - J1213 - J1214   - J1215
- J1216

502335   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1209

502336   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1207

502337   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206

502377   A. SUBSTITUTE   J1205
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206   - J1207   - J1208   - J1209 - J1210 - J1211 - J1212 - J1213   - J1214
- J1215   - J1216   - J1217

502500   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1217

S02700   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1216

502701   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1215

TABLE 2-29. RIE MEMORY (SINGLE PORT)) FAULT LOCATION - CONTINUED

502702 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
    J1213
502703 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1212
502704 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES :
    J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213 - J1214 - J1215 - J1216
502705 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1209   J1211
502706 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208
502707 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1207   J1212
502710 SUBSTITUTE   SHE FOLLOWING CARD ASSEMBLIES:
    J1216
502711 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1214
502712 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1213
502713 A. SUBSTITUTE   J1217
    B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213   J1214 - J1215 - J1216
502714 A. SUBSTITUTE J1210
    B.   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206 - J1207 - J1208 - J1209 - J1211 - J1212 - J1213 - J1214 - J1215 - J1216
502715 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1209
502716 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208
502717 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206
502720 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
    J1216
502721 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
    J1214 - J1215
502722 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1213
502723 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1212
502724 A. SUBSTITUTE J1210
    B.   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206 - J1207 - J1208 - J1209   J1211 - J1212 - J1213 - J1214 - J1215 - J1216
50272S SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1209
502726 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1208
502727 SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1206

TABLE 2-29. RIE MEMORY (SINGLE PORT) FAULT LOCATION - CONTINUED

502730   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1216
502731   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1215
502732   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1213
502733   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1212
502734   A. SUBSTITUTE   J1211
             B. SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1206 - J1207 - J1208 - J1209 - J1210   J1212 - J1213 - J1214   - J1215
             - J1216
502735   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1209
502736   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1208
502737   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1207
502777   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1208   -   J1209   J1212   J1216
503671   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1205
503677   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213 - J1214
             - J1215 - J1216
507034   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES :
                J1205
507501   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1205 - J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213
             - J1214 - J1215 - J1216 - J1217
507503   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
                J1205 - J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213
             - J1214 - J1215 - J1216 - J1217
507504   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
                J1205 - J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213
             - J1214 - J1215 - J1216 - J1217
507510   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES'
                J1205 - J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213
             - J1214 - J1215 - J1216 - J1217
507577   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
                J1205 - J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212 - J1213
             - J1214 - J1215 - J1216 - J1217

        All data on pages 2-451 thru   2-456, including table 2-30, deleted

Change 3 2-449/(2-450 blank)

TABLE 2-31. VSU TEST FAULT

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
000000    J1105 - J1106 - J1107 - J1108 - J1109 - J1110 - J1111   J1113 - J1114 - J1115
        - J1116 - J1117 - J1118 - J1119 - J1120   J1125   J1128 - J1129   J1131   J1133
          J1136   J1141   J1143   J1203 - J1204 - J1205   J1209 - J1209   J1211   J1214
        - J1215   J1217   J1221 - J1222 - J1223 - J1224 - J1225 - J1226 - J1227 - J1228
        - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236   J1239 - J1240
        - J1241 - J1242   J1244   J1248   J1309   J1320   J1324   J1327 - J1328   J1331
          J1333 - J1334 - J1335   J1337 - J1338 - J1339 - J1340   J1345   1404    J1406
          J1410 - J1411   J1415   J1418   J1429 - J1430   J1438   J1441   J1443
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

```
          J1130       J1147       J1450
```

```
000002    J1105 - J1106 - J1107   J1109 - J1110   J1113 - J1114 - J1115   J1117   J1121
        - J1122   J1124   J1126   J1129   J1131 - J1132 - J1133 - J1134   J1136   J1140
        - J1141 - J1142   J1144 - J1145   J1205 - J1206 - J1207 - J1208   J1210 - J1211
          J1213 - J1214 - J1215   J1217 - J1218 - J1219 - J1220 - J1221 - J1222 - J1223
        - J1224 - J1225 - J1226 - J1227 - J1228 - J1229 - J1230 - J1231 - J1232 - J1233
        - J1234 - J1235 - J1236   J1239 - J1240 - J1241 - J1242   J1244 - J1245 - J1246
        - J1247 - J1248   J1304 - J1305 - J1306 - J1307   J1317 - J1318 - J1319   J1322
          J1324 - J1325   J1327 - J1328 - J1329 - J1330 - J1331   J1333 - J1334 - J1335
          J1337 - J1338   J1348   J1404 - J1405 - J1406 - J1407 - J1408 - J1409 - J1410
        - J1411 - J1412   J1414 - J1415 - J1416 - J1417 - J1418 - J1419 - J1420   J1422
        - J1423 - J1424 - J1425 - J1426   J1428 - J1429 - J1430   J1432 - J1433   J1436
        - J1437 - J1438 - J1439 - J1440 - J1441 - J1442 - J1443 - J1444 - J1445
```

```
510001    J1119   J1135   J1139 - J1140 - J1141 - J1142   J1214   J1222   J1230   J1232
          J1235   J1239   J1241 - J1242   J1244 - J1245 - J1246 - J1247 - J1248
```

```
510002    J1119   J1139   J1214   J1222   J1232   J1235   J1244 - J1245   J1247 - J1248
```

```
510003    J1119   J1135   J1139 - J1140 - J1141 - 31142   J1214   J1222   J1230   J1232
          J1235   J1239   J1241 - J1242   J1244 - J1245 - J1246 - J12A7 - J1248
```

```
510004    J1119   J1139   J1214   J1222   J1232   J1235   J1244 - J1245   J1247 - J1248
```

```
510005    J1119   J1135   J1139 - J1140 - J1141 - J1142   J1209   J1213 - J1214 - J1215
          J1219 - J1220   J1222   J1226   J1230 - J1231 - J1232   J1235   J1239 - J1240
        - J1241 - J1242   J1244 - J1245 - J1246 - J1247 - J1248
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

```
          J1147
```

```
510806    J1110   J1119   J1139   J1142   J1204 - J1205 - J1214   J1222   J1235 - J1236
          J1241   J1244 - J1245 - J1246 - J1247 - J1248
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
```
          J1249
```

```
510007    J1135   J1140 - J1141 - J1142   J1230   J1235   J1239   J1241 - J1242   J1244
        - J1245 - J1246 - J1247   J1324   J1328 - J1329   J1332 - J1333 - J1334
```

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

```
510010    J1135      J1140  -  J1141  -  J1142     J1213  -  J1214  -  J1215     J1217     J1226     J1230
          J1233      J1235     J1239     J1241  -  J1242     J1244  -  J1245  -  J1246  -  J1247     J1313
          J1324      J1332  -  J1333  -  J1334  -  J1335

510011    J1135      J1140  -  J1141  -  J1142     J1214     J1230     J1235     J1239     J1241  -  J1242
          J1244  -  J1245  -  J1246  -  J1247     J1324     J1332  -  J1333  -  J1334

510012    SUBSTITUTE    J1116 (LOCATED IN RSU, A6 BAY)

510012    J1135      J1214      J1235     J1239     J1241     J1245     J1324     J1332  -  J1333  -  J1334

510013    J1106      J1108      J1111  -  J1112  -  J1113  -  J1114     J1118     J1121  -  J1122     J1124
      -  J1125      J1131      J1135     J1137  -  J1138  -  J1139  -  J1140  -  J1141  -  J1142     J1146
      -  J1147      J1204  -  J1205  -  J1206  -  J1207     J1209  -  J1218  -  11211  -  J1212     J1214
          J1217  -  J1218  -  J1219  -  J1220  -  J1221  -  J1222  -  J1223  -  J1224     J1227  -  J1228
          J1230  -  J1231  -  J1232  -  J1233     J1235     J1236     J1239  -  J1240  -  J1241  -  J1242
      -  J1243  -  J1244  -  J1245  -  J1246  -  J1247     J1249  -  J1322  -  J1323  -  J1324     J1332
      -  J1333  -  J1334     J1341  -  J1342     J1404     J1414     J1427     J1444  -  J1445  -  11446

510014    J1135      J1209      J1214     J1235     J1239     J1241     J1245

510015    J1135      J1204      J1214     J1235     J1239     J1241     J1245

510016    J1139  -  J1140     J1142     J1240  -  J1241  -  J1242  -  J1243

510017    J1241

510020    J1227

510022    J1104  -  J1105  -  J1106  -  31107  -  J1108     J1110  -  J1111     J1113  -  J1114  -  J1115
      -  J1116  -  J1117  -  J1118  -  J1119  -  J1120  -  J1121  -  J1122  -  J1123  -  J1124  -  J1125
      -  J1126  -  J1127  -  J1128  -  J1129     J1131     J1135     J1139     J1203     J1206     J1214
      -  J1215     J1217  -  J1218     J1224     J1231     J1235     J1239  -  J1240     J1243  -  J1244
      -  J1245  -  J1246     J1311  -  J1312  -  J1313     J1316     J1322     J1325  -  J1326     J1328
          J1330     J1406  -  J1407  -  J1408  -  J1409     J1411     J1415  -  J1416  -  J1417     J1418
      -  J1419  -  J1420  -  J1421  -  J1422  -  J1423  -  J1424  -  J1425  -  J1426     J1428     J1430
      -  J1431  -  J1432  -  J1433  -  J1434  -  J1435  -  J1436  -  J1437  -  J1438     J1440  -  J1441
      -  J1442  -  J1443     J1445  -  J1446

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1130      J1147      J1249     J1450

510023    J1434      J1441

510026    J1109      J1203  -  J1204  -  J1205  -  J1206  -  J1207  -  J1208  -  J1209  -  J1210  -  J1211
      -  J1212  -  J1213     J1215     J1217     J1219  -  J1220  -  J1221     J1226  -  J1227     J1231
          J1235      J1243     J1314

510027    J1108      J1110      J1205     J1208     J1218     J1219     J1221     J1226  -  J1227     J1229
          J1235      J1310  -  J1311
```

Change 5 2-458

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

STOP   **CONNECTORS**

510030   J1104   J1110 - J1111   J1113   J1115 - J1116 - J1117 - J1118 - J1119 - J1120
       - J1121 - J1122 - J1123 - J1124 - J1125 - J1126 - J1127   J1133 - J1134   J1137
         J1139   J1141   J1143   J1203   J1206   J1208   J1211   J1213 - J1214   J1217
       - J1218   J1224 - J1225   J1227   J1229   J1232   J1243 - J1244   J1309   J1334
         J1414   J14'24   J1427   J1432   J1434   J1444 - J1445 - J1446

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1147

510031   J1104 - J1105 - J1106 - J1107 - J1108 - J1109 - J1110 - J1111 - J1112 - J1113
       - J1114 - J1115 - J1116 - J1117 - J1118 - J1119 - J1120   J1123 - J1124 - J1125
       - J1176 - J1127 - J1128 - J1129   J1131 - J1132 - J1133 - J1134 - J1135 - J1136
       - J1137 - J1138 - J1139 - J1140 - J1141   J1143 - J1144 - J1145 - J1146   J1203
       - J1204 - J1205 - J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212   J1214
       - J1215   J1217 - J1218   J1220   J1222 - J1223 - J1224 - J1225 - J1226 - J1227
         J1229   J1232   J1239   J1244   J1246   J1248   J1302   J1304   J1312 - J1313
       - J1314   J1322   J1325   J1328   J1331 - J1332 - J1333 - J1334 - J1335   J1408
       - J1409   J1412   J1415 - 31416 - J1417   J1424 - J1425 - J1426   J1431 - J1432
       - J1433 - J1434 - J1435 - J1436   J1441 - J1442 - J1443 - J1444 - J1445 - J1446

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1450

510032   J1107   J1125   J1127   J1137 - J1138   J1144 - J1145 - J1146   J1203   J1205
         J1207 - J1208 - J1209 - J1210 - J1211 - J1212   J1215   J1219   J1223 - J1224
         J1235   J1330 - J1331 - J1332 - J1333   J1415 - J1416   J1425   J1434 - J1435
         J1444 - J1445

510034   J1104   J1116   J1120   J1131 - J1132   J1214   J1404   J1410   J1418

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:

         J1238

510035   J1108   J1120   J1122 - J1123   J1203 - J1204 - J1205 - J1206 - J1207 - J1208
       - J1209 - J1210 - J1211   J1219   J1221   J1223 - J1224   J1226

510036   J1120 - J1121   J1203   J1209   J1221

510837   J1112 - J1113   J1116 - J1117 - J1118 - J119 - J1120 - J1121   J1203   J1205
       - J1206 - J1207 - J1208 - J1209   J1217   J1221   J1223   J1227   J1229   J1234

510041   J1108 - J1109   J1112   J1117 - J1118 - J1119   J1121 - J1122 - J1123 - J1124
         J1127 - J1128 - J1129   J1131   J1136   J1140   J1146   J1208   J1211 - J1212
       - J1213 - J1214 - J1215   J1220   J1222   J1226   J1240   J1242   J1247   J1302
         J1311   J1437

510042   J1104   J1108 - J1109 - J1110 - J1111 - J1112 - J1113 - J1114 - J1115 - J1116
       - J1117 - J1118 - J1119   J1123 - J1124   J1128   J1131   J1214   J1239   J1302
         J1309   J1311   J1314   J1326   J1332   J1419 - J1420   J1422   J1430

510043   J1112 - J1113   J1116 - J1117 - J1118 - J1119   J1139 - J1140   J1143   J1309
         J1314

TABLE 2-31 VSU TEST FAULT LOCATION CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
510044    J1105 - J1106 - J1107 - J1108 - J1109 - J1110 - J1111 - J1112 - J1113 - J1114
        - J1115 - J1116 - J1117 - J1118 - J1119 - J1120   J1124   J1128   J1131   J1134
          J1136   J1139   J1141   J1203 - J1204 - J1205 - J1206   J1208 - J1209   J1211
          J1213 - J1214 - J1215   J1222   J1240 - J1241 - J1242   J1244   J1246

510045    J1112 - J1113   J1116 - J1117 - J1118

510046    J1108   31111   J1113 - 31114 - J1115 - J1116   .J1119 - J1119 - J1120   J1126
          J1126 - J1129   J1140

510047    J1104   J1109   JI112 - 31113   J1116 - J1117 - 31118   J1136   J1143   J1334
510050    J1108   31110 - J1111 - J1112 - J1113 - J1114 - 31115 - J1116 - J1117   J1120
          J1124   J1131   J1134   J1141

510051    J1104   J1109   J1112 - J1113   J1116 - J1117 - J1118   J1131

510052    J1108   J1110 - J1111 - J1112 - J1113   J1119 - J1116 - J1117   J1127   J1131
          J1139   J1433

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1238

510102    J1115   J1117   J1131   J1134   J1141 - J1142 - J1143 - J1144 - J1145 - J1146
          J1217 - J1218 - JIZIS   JI22Z   J1225 - J1226 - J1227 - J1228 - J1229 - J1230
        - J1231 - J1232 - J1233 - J1234 - J1235 - J1236   J1239 - J1240 - J1241 - J1242
        - J1243 - J1244 - J1245 - J1246 - J1247 - J1248   J1312 - J1313   J1327   J1338
        - J1339 - J1340   J1417

510103    J1131   J1139 - J1140   J1221   J1223   J1227 - J1228   J1231 - J1232 - J1233
        - J1234   J1236   J1242 - J1243   J1328   J1341

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1249

510104    J1131   J1139   J1211   J1218 - J1219   J1226 - J1227 - J1228 - J2339   J1231
        - J1232 - J1233 - J1234 - J1235 - J1236   J1242   J1247   J1309   J1339

510105    J1104 - J1105 - J1106 - J1107 - J1103 - J1109 - J1110 - J1111 - J1112 - J1113
        - J1114 - J1115 - J1116 - J1117 - J1118 - J1119 - J1126 - J1121 - J1122 - J1123
        - J1124 - J1125 - J1126 - J1127 - J1128 - J1129   J1131 - J1132 - J1133 - J1134
        - J1135 - J1136 - J1137 - J1138 - J1139 - J1140 - J1141 - J1142 - J1143 - J1144
        - J1145 - J1146   J1203 - J1204 - J1205 - J1206 - J1207 - J1208 - J1209 - J1210
        - J1211 - J1212 - J1213 - J1214 - 31215   J1217 - J1216 - J1219 - J1220 - J1221
        - J1222 - J1223 - J1224 - J1225 - J1226 - J1227 - J1228 - J1229 - J1230 - J1231
        - J1232 - J1233 - J1234 - J1235 - J1236   J1239 - J1240 - J1241 - J1242 - J1243
        - J1244 - J1245 - J1246 - J1247 - J1248   J1302   J1304   J1306   J1309 - J1310
        - J1311 - J1312 - J1313 - J1314   J1316 - J1317 - J1318 - J1319   J1322 - J1323
          J1325 - J1326 - J1327 - J1328 - J1329   J1331 - J1332 - J1333 - J1334 - J1335
          J1337 - J1338 - J1339 - J1340   J1345   J1404 - J1405 - J1406 - J1407 - J1408
        - J1409 - J1410 - J1411 - J1412   J1414 - J1415 - 31416 - J1417 - J1418 - J1419
```

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF
DIAGNOSE STATUS	IOU OFF	CPU OFF

```
        - J1420  - J1421  - J1422  - J1423  - J1424  - J1425  - J1426  - J1427  - J1428  - J1429
        - J1430  - J1431  - J1432  - J1433  - J1434  - J1435  - J1436  - J1437  - J143S  - J1439
        - J1440  - J1441  - J1442  - J1443  - J1444  - J1445  - J1446

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1130     J1147     J123S     J1249     J1450

510106      J1236     J1339     J1343

510111      J1133     J1142     J1203     J1205  - J1206     J1208     J1211     J1214     J1215     J1224
        - J1225  - J1226  - J1227     J1229  - J1230  - J1231  - J1232  - J1233     J1235  - J1236
            J1242     J1322  - J1323  - J1324     J1327  - J1328  - J1329     J1331     J1333  - J1334
        - J1335     J1337  - J133S  - J1339  - J1340     J1343  - J1344  - J1345  - J1346     J1405
        - J1406     J1411     J1415     J1421     J1423     J1429  - J1430     J1437

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1453

510112      J1104     J1107  - J1105  - J1109  - J1110     J1112     J1116  - J1117  - J1119  - J1119

J1129       J1131     J1133  - J1134     J1136  - J1137     J1139  - J1140  - J1141  - J1142
        - J1143  - J1144  - J1145  - J1146     J1203  - J1204  - J1205  - J1206  - J1207  - J1208
        - J12OS  - J1210  - J1211  - J1212  - J1213  - J1214  - J1215     J1217  - J1218  - J1219
        - J1220     J1222     J1224  - J1225  - J1226  - J1227  - J1228  - J1229  - J1230  - J1231
        - J1232  - J1233  - J1234     J1236     J1240     J1242  - J1243  - J1244  - J1245  - J1246
            J1248     J1302     J1312  - J1313     J1322  - J1323     J1327  - J1328     J1347  - J1348
            J1418  - 31419     J1421     J1423     J1437  - J1438     J1441  - J1442     J1445  - J1446

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1450

510115      J1133     J1214     J1219  - J1220     J1226     J1228  - J1229  - J1230  - J1231  - J1232
        - J1233  - J1234  - J1235  - J1236     J1242     J1246     J1327     J1337  - J1338  - J1339
        - J1340     J1346     J1406

510116      J1418

510117      J1116     J1118     J1131     J1133     J1143     J1203     J1215     J1217  - J1218  - J1219
        - J1226     J1222     J1225  - J1226  - J1227  - J1228  - J1229  - J1230  - J1231  - J1232
        - J1233  - J1234  - J1235  - J1236     J1239  - J1240  - J1241  - J1242  - J1243  - J1244
            J1246  - J1247  - J1248     J1317  - J1318  - J1319  - J1320     J1322  - J1323  - J1324
        - J1325  - J1326  - J1327  - J1328  - J1329     J1331  - J1332  - J1333  - 31334  - J1335
            J1337  - J1338  - J1339  - J1340  - J1341  - J1342  - J1343  - J1344  - J1345  - J1346
        - J1347  - J1348     J1404  - J1405  - J1406  - J1407     J14O5     J1410  - J1411     J1415
            J1418  - J1419  - J1420     J1422  - J1423     J1429  - J1430     J1437  - J1438  - J1439
            J1441  - J1442  - J1443  - J1444  - J1445  - J1446

        SUBSTITUTE THE FOLLOWING CORD ASSEMBLIES:
            J1238     J1336

510123      J1218     J1234

510124      J1133     J1139     J1217     J1224  - J1225     J1227  - J1229  - J1229  - J1230  - J1231
```

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
         -  J1232     J1234     J1409

510130      J1213  -  J1214  -  J1215    J1217  -  J1218  -  J1219  -  J1220  -  J1221  -  J1222  -  J1223
         -  J1224  -  J1225  -  J1226  -  J1227  -  J1228     J1230  -  J1231  -  J1232  -  J1233     J1235
         -  J1236     J1243  -  J1244    J1247

510131      J1226

510132      J1131     J1225     J1227  -  J1228     J1231  -  J1232

510135      J1217     J1219     J1221     J1223     J1232     J1236     J1243     J1343

510136      J1221     J1223

510137      J1343

510140      J1344

510141      J1345

510142      J1346

510143      J1344

510144      J1345

510145      J1211  -  J1212  -  J1213     J1226

510147      J1221     J122B

510150      J1213     J1221     J1228     J1230

510151      J1212     J1219     J1221     J1223     J1227     J1236

510156      J1217     J1226

510170      J1136     J1213  -  J1214     J1217     J1228

510207      J1104  J1107  -  J1108     J1211     J1213     J1217     J1219  -  J1220     J1226  -  J1227
            J1243

510261      J1104     J1107  -  J1108  -  J1109  -  J1110     J1112  -  J1113     J1119  -  J1117  -  J1118
         -  J1119     J1121  -  J1122  -  J1123  -  J1124  -  J1125  -  J1126  -  J1127  -  J1128     J1131
         -  J1132  -  J1133  -  J1134  -  J1135  -  J1136  -  J1137  -  J1138  -  J1139  -  J1140  -  J1141
         -  J1142  -  J1143  -  J1144  -  J1145  -  J1146     J1203  -  J1204  -  J1205  -  J1206     J1208
         -  J1209     J1212  -  J1213  -  J1214  -  J1215     J1217  -  J1218  -  J1219  -  J1220     J1222
            J1224  -  J1225  -  J1226  -  J1227  -  J1228  -  J1229  -  J1230  -  J1231  -  J1232  -  J1233
         -  J1234  -  J1235  -  J1236     H1239  -  J1240     J1242  -  J1243  -  J1244     J1246     J1248
            J1362     J1306     J1309  -  J1310  -  J1311  -  J1312  -  J1313  -  J1314     J1316  -  J1317
         -  J1318  -  J1319  -  J1320     J1322     J1323     J1325  -  J1326  -  J1327  -  J1328     J1331
         -  J1332  -  J1333     J1405  -  J1406  -  J1407  -  .J1408  -  J1409     J1411  -  J1412     J1414
         -  J1415  -  J1415  -  J1417  -  J1418  -  J1419  -  J1420  -  J1421  -  J1422  -  J1423  -  J1424
```

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS　　　IOU OFF　　　CPU OFF
DIAGNOSE STATUS　　　　　IOU OFF　　　CPU OFF

STOP　　　　　　　　　　　　　　　　　　　　　　　　　　　　　CONNECTORS

```
        J14Z6 - J1427    J1430 - J1431 - J1432 - J1433 - J1434 - J1435 - J1436 - J1437
      - J1438   J1440 - J1441   J1443   J1445

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
        J1336    J1450

510262  J1133   J1139   J1142   J1215   J1218 - J1219   J1221 - J1222 - J1223   J1227
      - J1228 - J1229   J1233 - J1234 - J1235 - J1236   J1239 - J1240 - J1241 - J1242
      - J1243 - J1244 - J1245   J1247   J1323   J1337 - J1338 - J1339 - J1340 - J1341
        J1344

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
        J1130

510391  J1194   J1107 - J1108 - .J1109 - J1110   J1112   J1116 - J1117 - J1118 - J1119
        J1133 - J1134   J1136   J1139 - J1149 - J1141 - J1142 - J1143   J1203 - J1204
        J1206 - J1207   J1209   J1211 - J1212 - J1213   J1215   J1217 - J1218 - J1219
      - J1226 - J1221 - J1222 - J1223 - J1224 - J1225 - J1226 - J1227 - J1228 - J1229
      - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236   J1240   J1242 - J1243
      - J1244 - J1245 - J1246 - J1247   J1304   J1306   J1309   J1311 - J1312 - J1313
      - J1314   J1323   J1325   J1327 - J1326   J1332 - J1333 - J1334 - J1335   J1337
        J1340 - J1341   J1406 - J1407 - J1408 - J1409   J1411 - J1412   J1414 - J1415
      - J1416 - J1417 - J1418 - .J1419 - J1420 - J1421   J1423 - J1424 - J1425 - J1426
        J1429 - J1430   J1438 - J1439 - J1440 - J1441

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
        J1130    J1147    J1238    J1249    J1450

510304  J1109   J1113   J1119   J1140 - J1141   J1215   J1217 - J1216 - J1219 - J1220
        J1223 - .J1224 - J1225 - J1226 - J1227 - J1228 - J1229   31232 - J1233 - J1234
        J1239 - J1240   J1242 - J1243   J1306   J1309 - J1310 - J1311 - J1312 - J1313
      - J1314   J1317 - J1318 - J1319 - J1320   J1322 - J1323 - J1324   J1326   J1328
        J1331    J1420

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
        J1130

510305  J1112   J1118   J1128   J1131   J1136   J1140 - J1141 - J1142   J1212 - J1213
        J1215   J1217 - J1218 - J1219 - J1220 - J1221   J1223   J1226 - J1227 - J1228
      - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235 - J1236   J1240   J1242
      - .J1243   J1247   J1314   J1318 - J1319 - J1329   J1325   J1341   J1442

510306  J1119   J1121 - J1122 - J1123   J1125 - J1126 - J1127 - J112S - J1129   J1132
        J1134   J1136 - J1137 - J1138   J1140 - J1141 - J1142   J1144 - J1145 - J1146
        J1203   J1205 - J1206 - J1207   J1209 - J1216 - J1211 - J1212 - J1213   J1215
        J1217 - J1218 - J1219 - J1220 - J1221 - J1222 - J1223   J1225 - J1226 - J1227
      - J1228 - J1229 - J1230 - J1231 - J1232   J1234   J1236   .J1239 - J1240 - J1241
      - J1242 - J1243 - J1244 - J1245 - J1246   J1248   J1304   J1308 - J1309 - J1310
      - J1311 - J1312 - J1313 - J1314   J1317 - J1318 - J1319 - J1320   J1322   J1325
        J1327 - J1328   J1332 - J1333   J1338 - J1339   J1341   J1412   J1415 - J1416
      - J1417   J1424 - .J1425 - J1426   J1434 - J1435   J1443 - J1444 - J1445
```

TABLE 2-31 VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1130

```
510307   J1123    J1125  -  J1126  -  J1127  -  JI128  -  J1129    J1136    J1140  -  J1141  -  J1142
         J1145  -  J1146    J1207    J1211  -  J1212  -  J1213    J1218    J1230   J1232       J1235
       -  J1236    J1239    J1242    J1244    J1246  -  J1247    J1313  -  J1314    J1325    J1327
       -  J1326    J1334    J1341    J1405  -  J1406
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
    J1130

```
510310   J1104    J1110    J1112    J1119    J1121  -  J1122  -  J1123  -  J1124  -  J1125  -  J1126
       -  J1127  -  J1128  -  JI129    J1131  -  J1132  -  J1133  -  J1134  -  J113S  -  J1136  -  J1137
       -  J1136  -  J1139    J1148  -  J1141  -  J1142  -  J1143  -  J1144  -  J1145  -  J1146    J1203
       -  J1204  -  J1205  -  J1206  -  J1207  -  J1208  -  J1209  -  J1210  -  J1211  -  J1212  -  J1213
       -  J1214  -  J1215    J1217  -  J1218  -  J1219  -  J1220  -  J1221  -  J1222  -  J1223  -  J1224
       -  J1225  -  J1226  -  J1227  -  J1228  -  J1229  -  J1230  -  J1231  -  J1232  -  J1233  -  J1234
       -  J1235  -  J1236    J1239  -  J1240  -  J1241  -  J1242  -  J1243  -  JI244  -  J1245  -  J1246
         J1248    J1306    J1308  -  J1309    J1312  -  J1313  -  J1314    J1317  -  J1318    J1322
       -  J1323  -  J1324  -  J1325    J1327  -  J1328  -  J1329  -  J1330    J1332  -  J1333  -  J1334
       -  J1335    JI337  -  J1338  -  J1339  -  J1340  -  J1341    J1345    J1404    J1407    J1412
         J1415    J1417    J1424    J1426    J1429    J1434    J1442  -  J1443    J1445
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1130   J1147   J1249

```
510311   J1127    J1136  -  J1137  -  J1138    J1144  -  J1145  -  J1146    J1203    J1205  -  J1206
       -  J1207  -  J1208  -  J1209  -  J1210    J1212    J1215    J1219  -  J1220    J1223  -  J1224
       -  J1225    J1231    J1233    J1240    J1243    J1306    J1308  -  J1309    J1312    J1317
       -  J1318    J1323    J1325    J1327  -  J132S    J1333    J1337    J1340  -  J1341    J1344
         J1412    J1415  -  J1416  -  J1417    J1424  -  J1425  -  J1426    J1434  -  J1435    J1443
       -  J1444  -  J1445
```

```
510312   J1108    J1110  -  J1111    J1117    J1137  -  J1138    J1141    J1144  -  J1145  -  J1146
         J1203    J1205  -  J1206  -  J1207  -  J1208  -  J1209  -  J1210  -  J1211  -  J1212    J1214
       -  J1215    J1218    J1220  -  J1221    J1223  -  J1224    J1226    J1235    J1240  -  J1241
         J1312  -  J1313    J1317    J1319    J1323    J1326    J1331  -  J1332  -  J1333    J1338
         J1340  -  J1341    J1346    J1407    J1415  -  J1416    J1425  -  J1426    J1434  -  J1435
         J1444  -  J1445
```

```
510313   J1107    J1137  -  J1138    J1144  -  J1145    J1203    J1205    J1207  -  J1208  -  J1209
       -  J1216  -  J1211  -  J1212    J1215    J1221    J1223  -  J1224    J1227    J1235    J1317
         J1319    J1323    J1329  -  J1330  -  J1331    J1333    J1337    J1340  -  J1341    J1345
         J1415  -  J1416    J1425  -  J1426    J1434  -  J1435    J1444  -  J1445
```

```
510321   J1206    J1247
```

```
510322   J1144    J1204    J1206    J1211  -  J1212    J1214    J1223  -  J1224    J1318    J1320
         J1323
```

```
510323   J1107    J1129    J1137  -  J1138    J1144  -  J1145  -  J1146    J1203  -  J1204  -  J1205
       -  J1206  -  J1207  -  J1208  -  J12Q9  -  J1210  -  J1211    J1214    J1218  -  J1219  -  J1220
```

TABLE 2-31 VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
        -  J1221     J1223  -  J1224  -  J1225     J1229  J1232     J1317  -  J1318  -  J1319  -  J1320
           J1323     J1329     J1331  -  J1332  -  J1333  J1340  -  J1341  -  J1342  -  J1343  -  J1344
           J1412     J1415  -  J1416  -  J1417     J1424  -  J1425  -  J1426     J1434  -  J1435     J1443
        -  J1444  -  J1445

510324     J1105  -  J1106  -  J1107  -  J1108  -  J1109     J1111  -  J1112     J1114  -  J1115     J1117
           J111I9 -  J1120  -  J1121  -  J1122  -  J1123  -  J1124  -  J1125     J1133     J1135     J1140
        -  J1141     J1143     J1203  -  J1204  -  J1205  -  J1206  -  J1207  -  J1208  -  J1209     J1211
           J1215     J1217  -  J1219  -  J1219     J1224     J1226  -  J1227     J1235  -  J1236     J1239
        -  J1240  -  J1241  -  J1242  -  J1243  -  J1244  -  J1245  -  J1246  -  J1247     J1305     J1312
        -  J1313  -  J1314     J1317  -  J1318     J1320     J1322  -  J1323  -  J1324  -  J1325  -  J1326
        -  J1327  -  J1328  -  J1329  -  J1330     J1332  -  J1333  -  J1334  -  J1335     J1337  -  J1338
        -  J1339     J1341     J1418  -  J1419  -  J1420     J1422  -  J1423     J1429  -  J1430     J1437
        -  J1436  -  J1439  -  J1440  -  J1441  -  J1442

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1130     J1147     J1249

510325     J1120     J1125     J1135     J1203  -  J1204     J1206  -  J1207     J1215     J1217  -  J1218
           J1220     J1227     J1231     J1235     J1239  -  J1240  -  J1241  -  J1242     J1245     J1312
        -  J1313     J1317  -  J1318     J1322  -  J1323     J1325     J1328     J1332  -  J1333     J1335

510326     J1108     J1114  -  J1115     J1128     J1141     J1204  -  J1205  -  J1206     J1213  -  J1214
        -  J1215     J1219     J1234  -  31235     J1239     J1241     J1309     J1312  -  J1313  -  J1314
           J1322     J1324  -  J1325  -  J1326  -  J1327  -  J1328  -  J1329  -  J1330     J1332  -  J1333
        -  J1334  -  J1335     J1407  -  J1408  -  J1409     J1414     J1416  -  J1417     J1421     J1424
        -  J1425  -  J1426     J1428     J1430  -  J1431  -  J1432  -  J1433  -  J1434  -  J1435     J1442
        -  J1443  -  J1444  -  J1445  -  J1446

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1450

510327     J1109     J1114     J1121  -  J1122  -  J1123  -  J1124  -  J1125  -  J1126  -  J1127  -  J1128
        -  J1129     J1133     J1141     J1203     J1217     J1219  -  J1220  -  J1221     J1224  -  J1225
           J1229     J1232     J1235     J1243     J1245     J1313     J1322  -  J1323  -  J1324     J1332
        -  J1333  -  J1334  -  J1335     J1338

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1130     J1147

510330     J1113     J1115     J1119     J1131  -  J1132  -  J1133  -  J1134  -  J1135  -  J1136     J1139
        -  J1140     J1143     J1211  -  J1212     J121S     J1223  -  J1224  -  J1225     J1313  -  J1314
           J1322     J1324  -  J1325     J1332  -  J1333  -  J1334     J1414     J1418  -  J1419  -  J1420
        -  J1421  -  J1422  -  J1423  -  J1424     J1426     J1429     J1433  -  J1434  -  J1435     J1437
        -  J1438  -  J1439  -  J1440  -  J1441  -  J1442     J1446

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
           J1450

510331     J1140     J1211     J1223  -  J1224     J1322     J1324     J1326     J1332  -  J1333  -  J1334
           J1423
```

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   **CONNECTORS**

510332   J1268   J1221   J1225   J1322   J1324   J1332 - J1333 - J1334

510333   J1205   J1221   J1223   J1225   J1322   J1324   J1332 - J1333 - J1334

510335   J1203   J1206   J1221   J1224 - J1225   J1244   J1322   J1324   JI332 - J1333
          J1335

510335   J1324   J1332 - J1333   J1335

510337   J1324   J1332 - J1333   J1335

510340   J1324   J1332 - J1333   J1335

510341   J1119   J1129   J1136   J1140 - J1141 - J1142   J1205 - J1206 - J1207   J1209
    - J1210   J1212 - J1213   J1218 - J1219   J1221   J1223   J1225 - J1226 - J1227
      J1231   J1235   J1239 - J1240 - J1241   J1244 - J1245 - J1246   J1304 - J1305
    - J1306   J1309   J1312   J1314   J1316   J1318   J1320   J1322 - J1323   J1325
      J1328 - J1329 - J1330 - J1331   J1334 - J1335   J1407

    SUBSTITUTE THE FOLLOWI NG CARD ASSEMBLIES:
      J1147

510342   J1104   J1140   J1205   JI208   J1217 - J1218 - J1219   J1221   J1224 - J1225
      J1227   J1729   J1231 - J1232   J1235   J1240 - J1241 - J1242   J1244 - J1245
    - J1245   J1303   J1303   J1313 - J1314   JIS29 - JI329 - J1330 - J1331 - J1332
      J1334 - J1335   J1337

510343   J1119   J1135   J1204   J1210   J1213 - J1214   J1217   J1219 - J1220   J1224
      J1227   J1235   J1239 - J1240 - J1241   J1245   J1303 - J1304   J1312   J1314
      J1320   J1325   J1329   J1341   J1407

510344   J1104   J1116   J1119   J1133   J1135   J1203 - J1204 - J1205 - J1206   J1208
      J1211   J1213 - J1214   J1218 - J1219 - J1240 - J1221   J1224   J1232   J1236
      J1245   J1304   J1306   J1311   J1314   J1322 - J1323   J1326   J1329   J1332
    - J1333   J1335   J141$ - J1419 - J1420 - J1421   J1423   J1426   J1429   J1432
    - J1433 - JI434 - J1435   J1437 - J1438 - J1439 - J1446 - J1441 - 31442   J1445

    SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
      J1450

510357   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
      LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
        J1313

510357   J13OD - J1310   J1329

510361   J1109   J1119   J1304 - J1305   J1309   J1312 - J1313

501362   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
      LOCATED IN RADAR SIMULOTOR UNIT A6 RACK I
      J1311   J1312   J1313   J1314

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

510363   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1311   J1313

510363   J1302   - J1303

510367   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1313

510367   J1109   JI119   J1304   - J1305 J1309   J1312

510370   J1305   J1312   - J1313 J1316

510371   1. IF CHAFF DISPLAY IS MISSING WITH RIE PANEL 1 "SPECIAL VIDEO" SWITCH IN
EITHER "MTI" OR "NORM" POSITION SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1:
J1313   J1314
2. IF CHAFF DISPLAY]IS MISSING WITH RIE PANEL 1 "SPECIAL VIPEO" SWITCH IN
"MTI" POSITION SUBSTITUTE THE FOLLOWING CARD ASSEMBLY LOCATED IN RADAR
SIMULATOR UNIT A6 RACK 1:
J1313
3. IF CHAFF DISPLAY IS MISSING WITH RIE P0NEL 1 SPECIAL VIDEO" SWITCH IN
"NORM" POSITION SUBSTITUTE THE FOLLOWING CARD ASSEMBLY LOCATED IN RADAR
SIMULATOR UNIT A6 RACK 1:
J1314

510372   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1313

510372   J1105 - J1106   J1108   J1143   J1145   J1218   J1218 - J1219 - J1220   J1222
          J1303   J1312 - J1313   J1326   J1332

510401   J1104   J1107   J1113   J1118 - J1119   J1129   J1131   J1134   J1136 - J1137
          J1139   J1205   J120S   J1213   J1217   J1223   J1226   J1239   J1248   J1326
          J1328 - J1432

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1147

510402   J1104 - J1105 - J1106 - J1107 - J1108 - J1109   J1118 - J1119   J1123   J1127
    - J1128   J1134   J1137 - J1138   J1140   J1143   J1209   J1212 - J1213 - J1214
      J1217   J1226   J1249   J1440

510405   J1112 - J1113   J1116 - J1117 - J1118   J1121   J1134   J1137 - J1138 - J1139
    - J1140 - J1141   J1143   J1219 - J1220   J1226   J1427

510406   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1314

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

510456   J1107   J1112 - J1113   J1116 - J1117 - J1118   J1121   J1134   J1138   J1219 - J1220   J1227   J1234   J1410

510407   SUBSTITUTE THE FOLLOWING CARD ASSEMLIES
            LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
            J1314

510407   J1107   J1112 - J1113   J1115 - J1116 - J1117 - J1118   J1120   J1121   J1125 J1210   J1219 - J1220

510410   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
            LOCATED IN RADAR SIMULATOR UNIT A6 RACK I
            J1314

510410   J1107

510411   SUBSTITUTE THE FOLLOWING CARD ASSEMBLES
            LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
            J1314

510411   J1107   J1138 - J1139 - J1140 - J1141   J1144 - J1145 - J1146   J1211   J1214 - J1215   J1222   J1225   J1228 - J1229   J1231 - J1232 - J1233   J1322   J1330 J1414   J1427   J1432 - J1433   J1444 - J1445

510412   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
            LOCATED IN RADAR SIMULATOR UNIT A6 RACK I
            J1313   J1314

510412   J1137 J1143

510413   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
            LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
            J1311   J1314

510413   J1137 - J1138   J1213   J1440

510414   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
            LOCATED IN RADAR SIMULATRO UNIT A6 RACK 1
            J1313   J1314

510414   J1107   J1119   J1219 - J1220

510415   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
            LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
            J1311

510415   J1140   J1143   J1205   J1212   J1440

510416   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
            LOCATED IN RADAR SIMULATOR UNIT R6 RACK 1
            J1313

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

510416   J1107   J1217

510417   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1312   J1314

510417   J1137   J1139 - J1140   J1143   J1208   J1213

510420   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULQTOR UNIT A6 RACK 1
J1313   J1314

510420   J1107   J1226

510421   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1311   J1314

510421   J1104   J1108   J1112 - J1113 - J1114 - J1115 - J1116 - JI117 - J1118   J1120
J1213

510422   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1313

510423   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1314

510423   J1116 - J1117

510424   J1134   J1137 - J1138 - J1139   J1210   J1212 - J1213   J1217   J1219 - J1220
J1223   J1225 - J1226

510425   J1134   J1137 - J1138   JI143   J1205   J1208   J1218   J1225 - J1226

510427   J1109   J1112   J1114   J1116   J1118   J1121   J1124   J1131 - J1132 - J1133
 - J1134 - J1135   J1140 - J1141   J1143   J1205   J1207 - J1208 - J12O9 - J1210
 - J1211 - J1212 - J1213   J1226   J1228 - J1229   J1243 - J1244   J1246   J1311
J1323   J1409   J1426   J1433   J1440   J1446

510430   J1107 - J1108   J1110 - J1111   J1113 - J1114   J1116 - J1117 - J1118   J1125
 - J1126 - J1127   J1131   J1136 - J1137 - J1138   J1141   J1144 - J1145 - J1146
J1204 - J1205 - J1206 - J1207 - J1208 - J1209 - J1210 - J1211 - J1212   J1214
 - J1215   J1218   J1Z20 - J1221   J1223 - J1224 - J1225   J1228 - J1229   J1231
 - J1232 - J1233 - J1234 - J1235 - J1236   J1240   J1304   J1306   J1314   J1322
J1324   J1329   J1331 - J1332 - J1333   J1340 - J1341   J1344 - J1345 - J1346
J1408   J1412   J1415 - J1416 - J1417   J1420   J1424 - J1425   J1429   J1434
 - J1435 - J1436   J1443 - J1444 - J1445

510431   J1119 - J1120 - J1121 - J1122 - J1123   J1126   J1129   J1135   J1137 - J1138

J1142   J1144 - J1145 - J1146   J1204 - J1205 - J1206 - J1207 - J1208 - J1209

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

	-	J1210	-	J1211	J1215	J1220	-	J1221	J1223	-	J1224	-	J1225	J1236		J1235
		J1239		J1304	J1323	J1330		J1333	J1337		J1340	-	J1341	J1344	-	J1345
		J1412		J1415	- J1416	- J1417	J1424	-	J1425	-	J1426	-	J1427	J1434	-	J1435
	-	J1436		J1443	- J1444	- J1445										

510432   J1118   J1120   J1125   J1132   J1214 - J1215   J1217   J1219   J1222   J1312
       - J1313 - J1314   J1325   J1328   J1330   J1404   J1409   J1412   J1415 - J1416
       - J1417 - J1418 - J1419   J1422 - J1423   J1433   J1436   J1440 - J1441 - J1442
       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1450

510433   J1194   J1111   J1113   J1115   J1118 - J1119 - J1120   J1133   J1137   J1140
       J1206   J12O8   J1217   J1243   J1248   J1309   J1437

510446   J1115   J1117   J1124 - J1125   J1127 - J1128 - J1129   J1131 - J1132 - J1133
       - J1134 - J1135 - J1136 - J1137   J1139 - J1140   J1143   J1208   J1225   J1232
       J1243 - J1244 - J1245   J1412   J1417   J1434

510441   J1131   J1135   J1243 - J1244

510442   J1109   J1116   J1119   J1124 - J1125   J1132 - J1133   J1137   J1139   J1143
       J1203   J1208 - 31209 - J1210   31212 - J1213   J1226   J1Z40   J1248   J1311
       J1327   J1337   J1439

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1130   J1238

518443   J1104 - J1105 - J1106 - J1107 - J1108   J1110 - J1111   J1115 - J1116 - J1117
       - J1118 - J1119   J1125   J1126   J1131 - J1132   J1134 - J1135   J1139 - J1140
       J1142   J1211 - J1212 - J1213   J1215   J1219 - J1220   J1226 - J12Z7   J1242
       J1244 - J1245 - J1246   J1248   J1311 - J1312   J1316   J1327   J1329

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1130   J1249

510444   J1105 - J1106   J1110   J1116   J1118   J1211 - J1212 - J1213   J1220   J1229
       J1231   J1338

510445   J1106   J1217   J1226   J1228

510446   J1106   J1109   J1111   J1115   J1117 - J1119   J1123 - J1124 - J1125   J1128
       - J1129   J1131 - J1132 - J1133 - J1134 - J1135 - J1136   J1139 - J1140   J1142
       J1203   J1208   J1217   J1220   J1226   J1228   J1230   J1232   J1240   J1242
       J1246

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1249

510447   J1105 - J1106   J1124   J1126   J1132   J1134 - J1135 - J1136   J1140 - J1141
       J1204 - J1205 - J1206 - J1207 - J1208 - J1209 - J1210   J1212 - J1213 - J1214
       J1219 - J1220 - J1221   J1225   J1248

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1249

510450   J1105   J1203

510451   J1105 - J1106   J1203   J1205   J1208   J1211   J1221   J1223 - J1224 - J1225
    J1248

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1249

510452   J1104 - J1105 - J1106 - J1107 - J1108 - J1109 - J1110 - J1111   J1113 - J1114
  - J1119 - J1116 - J1117 - J1118 - J1119 - J1120 - J1121 - J1122 - J1123 - J1124
  - J1125 J1128 - J1129 J1131 - J1132 - J1133 - J1134 - J1135 J1139 - J1140
  - J1141 J1143 J1205 J1205 - J1209 - J1210 J1212 - J1213 - J1214 - J1215
    J1217 - J1218 - J1219 - J1220 - J1221 J1223 J1226 - J1227 - J1228 - J1229
  - J1230 - J1731 - J1232 - J1233 J1235 - J1236 J1239 - J1240 J1242 - J1243
  - J1244 J1246 J1248 J1310 - J1311 - J1312 - J1313 - J1314 J1317 - J1318
  - J1319 - J1329 J1323 J1377 - J1328 J1339 J1341 J1418 J1429 J1431
  - J1432 J1435 J1441

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1130 J1147

510453   J1104 - J1105 - J1106 - J1107 - J1108 - J1109 - J1110 - J1111 J1113 - J1114
  - J1115 - J1116 - J1117 - J1119 - J1119 - J112O - J1121 - J1122 - J1123 - J1124
  - J1125 - J1126 - J1127 - J1128 J1131 - J1132 J1134 - J1135 - J1136 - J1137
  - J1139 - J1140 - J1141 - J1142 - J1143 - J1144 - J1145 - J1146 J1204 - J1205
  - J1206 - J1207 - J1208 - J1209 J1211 - J1212 - J1213 - J1214 - J1215 J1217
  - J1218 - J1219 - J1220 - J1221 - J1222 - J1223 - J1224 - J1225 - J1226 - J1227
  - J1228 - J1229 J1231 - J1232 - J1233 - J1234 - J1235 - J1236 J1239 - J1240
  - J1241 - J1242 - J1243 - J1244 - J1245 - J1246 - J1247 - J1240 J1306 J1309
  - J1310 - J1311 - J1312 - J1313 - J1314 J1316 - J1317 - J1318 - J1319 - J1320
    J1322 - J1323 J1325 - J1328 - J1327 - J1328 J1331 - J1332 - J1333 - J1334
  - J1335 J1337 - J1338 - J1339 - J1340 - J1341 J1406 - J1407 - J1408 - J1409
    J1411 - J1412 J1414 - J1415 - J1416 - J1417 - J1418 - J1419 - J1420 J1423
  - J1424 - J1425 - J1426 J1429 - J1430 J1436 J1438 - J1439 - J1440 - J1441
    J1443 J1445

.   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1130   J1147   J1249   J1450

510454   J1104 J1108 - J1109 J1115 J1117 J1123 - J1124 J1127 - J1128 J1131
  - J1132 J1134 - J1135 - J1136 - J1137 - J1138 - J1139 - J1140 - J1141 J1143
    J1146 J1205 J1211 - J1212 - J1213 - J1214 - J1215 J1220 - J1221 - J1222
    J1224 - J1225 - J1226 - J1227 - J1228 J1230 J1232 J1236 J1240 J1242
  - J1243 J1245 - J1246 J1306 J1309 - J1310 J1314 J1322 J1326 J1340
  - J1341 J1414 J1417 J1422 J1429 J1436 J1439 - J1440 J1443

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
    J1130

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

501464   J1129   J1133   J1213

510464   J1104   J1106   J1115 - J1116   J1118 - J1119 - J1120   J1123 - J1124 - J1125
            J1127 - J1128   J1131 - J1132   J1134 - J1135 - J1136   J1139   J1209 - J1210
        - J1211 - J1212   J1214   J1218 - J1219   J1221   J1223 - J1224 - J1225   J1229
        - J1229   J1231 - J1232   J1235 - J1236   J1239 - J1240 - J1241 - J1242 - J1243
        - J1244 - J1245 - J1246   J1248   J1310   J1319 - J1320   J1323   J1331   J1337
        - J1338 - J1339 - J1340 - J1341   J1407   J1410   J1429   J1443

510465   J1108 - J1109   J1124 - J1125   J1127   J1131   J1134 - J1135   J1205   J1212
            J1223   J1226   J1244   J1248   J1439

510466   J1115   J1124   J1127   J1132   J1134 - J1135 - J1136   J1139   J1208   J1210
            J1213   J1221   J1246   J1346

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1136

510467   J1124 - J1125   J1135   J1142   J1210   J1212 - J1213   J1221   J1223   J1228
            J1231

510470   J1113   J1115   J1118   J1120   J1124 - J1125 - J1126 - J1127 - J1128   J1131
        - J1132 - J1133 - J1134 - J1135   J1148 - J1141   J1143 - J1144   J1204   J1206
        - J1207 - J1209 - J1209 - J1210 - J1211 - J1212 - J1213 - J1214 - J1215   J1221
        . J1223 - J1224   J1227   J1231 - J1232   J1235   J1239   J1241   J1245   31408
        - J1409   J1416 - J1417   J1424 - J1425   J1432 - J1433 - J1434 - J1435   J1442
        - J1443 - J1444 - J1445

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1450

510501   J1104   J1107 - J1108 - J1109 - J1110   J1112 - J1113 - J1114 - J1115 - J1116
        - J1117 - J1118 - J1119   J1125   J1129   J1131   J1133 - J1134 - J1135 - J1136
        - J1137   J1139 - J1140 - J1141 - J1142 - J1143 - J1144 - J1145 - J1146   J1203
        - J1204   J1206 - J1207 - J1208 - J12OS - J1210 - J1211 - J1212 - J1213 - J1214
        - J1215   J1217 - J1218 - J1219 - J1220 - J1221 - J1222 - J1223 - J1224 - J1225
        - J1226 - J1227 - J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234 - J1235
        - J1236   J1239 - J1240 - J1241 - J1242 - J1243 - J1244 - J1245 - J1246 - J1247
        - J1248   J1309 - J1310 - J1311 - J1312 - J1313 - J1314   J1317 - J1318   J1320
            J1322 - J1323   J1325   J1327 - J1328 - J1329   J1331 - J1332 - JI333 - J1334
        - J1335   J1337   J13SS - J1340   J1404 - J1405 - J1406 - J1407 - J1408 - J1409
            J1411 - J1412   J1414 - J1415 - J1416 - J1417 - J1418 - J1419 - J1420   J1422
        - J1423 - J1424 - J1425 - J1426   J142B - J1429 - J1430 - J1431 - J1432 - J1433
        - J1434 - J1435 - J1436 - J1437 - J1438 - J1439 - J1446 - J1441 - J1442 - J1443
            J1445

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
            J1130   J1147   J1238   J1249   J1450

510502   J1112   J1118 - J1119   J1121 - J1122   J1125 - J1126 - J1127 - J112B - J1129
            J1131 - J1132   J1134   J1136   J1141 - J1142   J1146   J1211 - J1212 - J1713

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
        J1214    J1217    J1219 - J1220 - J1221 - J1222 - J1223    J1226 - J1227 - J1228
        J1230 -  J1231 -  J1232 - J1233 - J1234 - J1235 - J1236    J1239 - J1240    J1243
        J1244 -  J1245 -  J1246   J1309   J1314   J1325   J1327    J1337 - J1338 - J1339
        J1341    J1405 -  J1406 - J1407 - J1408 - J14O9 - J1410 - J1411 - J1412    J1415
        J1415 -  J1417 -  J1415 - J1419 - J1420   J1422 - J1423 - J1424    J1426    J1428
        J1429 -  J1430 -  J1431   J1434 - J1435 - J1436   J1438 - J1439 - J1440 - J1441
        J1442 -  J1443 -  J1444
```

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
     J1130

```
510503  J1136    J1140 -  J1141    J1211   J1213   J1219    J1221    J1223    J1227 - J1228
        J1230    J1232    J1236    J1242   J1406   J1409 - J1410 - J1411 - J1412    J1417
        J1418    J1422 -  J1423    J1435 - J1436   J1444
```

```
510534  J1215    J1217    J1219 - J1220 - J1221   J1223   J1226    J1230 - J1231 - J1232
        J1236    J1327 -  J1328   J1339   J1341   J1405 - J1406    J1410 - J1411 - J1412
        J1416    J1419 -  J1420   J1425   J1437
```

```
510565  J1131    J1137 -  J1138    J1144 - J1145 - J1146    J1203 - J1204 - J1265 - J1206
        J1207 -  J1208 -  J1209 - J1210 - J1211 - J1212 - J1213    J1215   J1217    J1220
        J1223 -  J1224 -  J1225   J1228 - J1229 - J1230   J1232 - J1233 - J1234    J1236
        J1242    J1244    J1306   J1324   J1327 - J1328   J1332 - J1333   J1340 - J1341
        J1345    J1404 -  J1405 - J1406 - J1407 - J1408 - J14O9 - 31410 - J1411 - J1412
        J1415 -  J1416 -  J1417 - J1418 - J1419 - J1420   J1422 - J1423 - J1424 - J1425
        J1426    J1428 -  J1429 - J1430 - J1431   J1434 - J1435 - J1436 - J1437 - J1438
        J1439 -  J1440 -  J1441 - J1442 - J1443 - J1444 - J1445
```

```
510586  J1104    J1110    J1112    J1117 - J1118 - J1119 - J1120 - J1121    J1123 - J1124
        J1125 -  J1126 -  J1127 - J1128 - J1129   J1131   J1135 - J1136 - J11137 - J1138
        J1139 -  J1140 -  J1141 - J1142 - J1143 - J1144 - J1145   J1146    J1203 - J1204
        J1205 -  J1206 -  J1207 - J120S - J1209 - J1210 - J1211 - J1212 - J1213 - J1214
        J1215    J1218 -  J1219 - J1220   J1222 - J1223 - J1224 - J1225 - J1226 - J1227
        J1228    J1230    J1234 - J1235 - J1236   J1239 - J1240 - J1241 - J1242 - J1243
        J1244 -  J1245 -  J1246 - J1247 - J1248   J13O9   J1312 - J1313 - J1314    J1316
        J1322 -  J1323    J1325   J1333   J1346 - J1341   J1344   J1404 - J1405 - J1406
        J1407 -  J1408 -  J14OD - J1410 - JI411 - J1412   J1414 - J1415 - J1416 - J1417
        J1418 -  J1419 -  J1420   J1422 - J1423 - J1424 - J1425 - J1426   J1428 - J1429
        J1430 -  J1431 -  J1432 - J1433 - J1434 - J1435 - J1436 - J1437 - J1438 - J1439
        J1440 -  J1441 -  J1442 - J1443 - J1444 - J1445 - J1446
```

SUBSTITIUTE THE FOLOWING CARD ASSEMBLIES:
     J1130   J1147   J1249   J1450

```
510507  J1137 -  J1138    J1144 - J1145 - J1146    J1203    J1205 - J1206 - J1207 - J1208
        J1209 -  J1210 -  J1211 - J1212   J1215    J1218 - J1219 - J1220 - J1221    J1223
        J1224    J1227 -  J1228    J1235   J1331 - J1332 - J1333   J1340 - J1341    J1346
        J1404 -  J1405    J1407 - J1400   J1411    J1415 - J1416   J1419   J1422 - J1423
        J1424 -  J1425 -  J1426    J1429 - J1430 - J1431   J1434 - J1435 - J1436 - J1437
        J143S -  J1439 -  J1440    J1442   J1444 - J1445
```

```
510510  J1107    J1137 -  J1138    J1144 - J1145   J1203    J1205    J1207 - J1208    J1210
```

Change 2 2-473

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
        -  J1211  -  J1212    J1215    J1221    J1223  -  J1224  -  J1225    J1235   J1329   -  J1330
        -  J1331     J1333    J1337    J1340  -  J1341    J1345     J1404     J14O8   J1415   -  J1416
           J1425  -  J1426    J1434  -  J1435    J1444  -  J1445

510511     J1214

510512     J1107     J1137  -  J1138    J1144  -  J1145  -  J1146    J1233     J1206  -  J1207  -  J1208
        -  J1209  -  J1210  -  J1211    J1214    J1219    J1221      J1223     J1225     J1329     J1331
        -  J1332  -  J1333    J1340  -  J1341    J1344    J1404  -  J1405     J1412     J1415  -  J1416
           J1425  -  J1426    J1434  -  J1435    J1444  -  J1445

510513     J1129     J1137  -  J1138    J1144  -  J1145  -  J1145    J1203  -  J1204  -  J1205  -  J1206
        -  J1207  -  J1208  -  J1209  -  J1210  -  J1211    J1214    J1219  -  J1220  -  J1221     J1223
           J1225     J1229     J1232    J1304    J1333    J1340  -  J1341     J1343     J1404  -  J1405
           J1412     J1415  -  J1416  -  J1417    J1424  -  J1425  -  J1426    J1434  -  J1435  -  J1436
           J1443  -  J1444  -  J1445

510514     J1129     J1137  -  J1138    J1144  -  J1145  -  J1146    J1203     J1265  -  J1206  -  J1207
        -  J1208  -  J1209  -  J1210  -  J1211    J1214    J1221    J1224  -  J1225     J1229     J1232
           J1304     J1306     J1333    J1340  -  J1341    J1404  -  J1405     J1412     J1415     J1417
           J1420     J1424     J1426    J1429    J1434    J1435    J1440      J1443     J1445

510515     J1144     J1205     J1207    J1211    J1214    J1221    J1224  -  J1225     J1340  -  J1341
           J1343     J1404  -  J1405

510516     J1214     J1233     J1247

510517     J1144     J1204     J1206    J1211  -  J1212    J1214    J1223  -  J1224     J1404  -  J1405

510520     J1144     J1204     J1206    J1211  -  J1212    J1214    J1223  -  J1224     J1404  -  J1405

510521     J1215     J1406     J1408  -  J1409    J1415  -  J1416  -  J1417  -  J1413    J1423  -  J1424
        -  J1425

5105Z2     J1215     J1410  -  J1411    J1415    J1437

510523     J1119     J1140  -  J1141    J1215    J1217    J1219    J1229      J1232     J1243     J1410
        -  J1411     J1414  -  J1415    J1418  -  J1419    J1422  -  J1423     J1426  -  J1427  -  J1428
        -  J1429  -  J1430    J1442

510524     J1215     J1229     J1232    J1247    J1340    J1415    J1422  -  J1423     J1430     J1432
        -  J1433  -  J1434    J1437  -  J1438  -  J1439  -  J1440  -  J1441  -  J1442  -  J1443  -  J1444
        -  J1445  -  J1446
```

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1450

```
518525     J1140     J1215     J1415    J1429  -  J1430    J1432  -  J1433     J1437     J1440  -  J1441
        -  J1442     J1445  -  J1446
```

           SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1238

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

```
510526    J1204    J1206 -  J1207 -  J1208 -  J1209    J1211    J1218    J1224    J1243 -  J1244
          J1246    J1404    J1406    J1409 -  J1410    J1412    J1414    J1429    J1431    J1433
          J1446

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1249

510527    J1404    J1411    J1414 -  J1415

510530    J1109 -  J1110    J1112    J1316    J1411    J1418    J1422 -  J1423 -  J1424 -  J1425
        - J1426 -  J1427 -  J1428 -  J1429    J1431    J1442

          SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
              J1249

510531    J1109 -  J1110    J1316    J1420    J1423    J1430    J1432 -  J1433 -  J1434 -  J1435
        - J1436 -  J1437    J1439    J1441 -  J1442

510532    J1109    J1312    J1316    J1420    J1429 -  J1438 -  J1431 -  J1432    J1437    J1441
        - J1442 -  J1443 -  J1444 -  J1445 -  J1446

510533    J1232    J1340    J1404    J1410    J1412    J1414 -  J1415    J1419    J1422 -  J1423
          J1427    J1429    J1437 -  J1438    J1444

510534    J1203 -  J1204 -  J1205 -  J1206 -  J1207 -  J1208 -  J1209    J1211    J1213    J1219
          J1221    J1223 -  J1224    J1247    J1341    J1406    J1409 -  J1410    J1412    J1415
          J1419    J1422    J1426 -  J1427    J1429    J1434    J1445

510535    J1214    J1221    J1247    J1338 -  J1339    J1341    J1408    J1411    J1414    J1418
        - J1419    J1422 -  J1423 -  J1424 -  J1425 -  J1426 -  J1477 -  J1428 -  J1429 -  J1436
        - J1431    J1442 -  J1443

510536    J1219    J1221    J1411    J1422 -  J1423    J1428    J1430    J1433 -  J1434 -  J1435
        - J1436 -  J1437 -  J1438 -  J1439    J1441 -  J1442    J1446

510537    J1411    J1429 -  J1430 -  J1431    J1433    J1437 -  J1438    J1440 -  J1441 -  J1442
        - J1443 -  J1444 -  J1445 -  J1446

510540    J1209 -  J1210    J1221    J1414    J1416    J1419    J1420    J1426    J1428    J1440
          J1442

510541    J1406    J1410    J1412    J1418    J1423    J1437    J1442

510542    J1207    J1221    J1228    J1405    J1422 -  J1423    J1426    J1428    J1435    J1443

510543    J1204    J1221    J1229    J1340    J1405    J1425    J1432 -  J1433    J1437    J1439
          J1441 -  J1442 -  J1443    J1446

510544    J1213    J1215    J1314    J1417    J1419    J1423    J1432 -  J1433    J1437    J1441
        - J1442 -  J1443    J1446
```

Change 2 2-475

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

510546   J1109   J1241   J1244   J1246   J1411   J1419   J1423   J1429 - J1430   J1441

510547   J1109   J1408   J1419 - J1420   J1439   J1437 - J1439

510550   J1109   J1141   J1246   J1420   J1429 - J1430   J1433   J1441 - J1442

510551   J1226   J1411   J1416 - J1417 - J1418 - J1419 - J1420   J1430   J1436

510552   J1118   J1141   J1203   J1213   J1215   J1220   J1407 - J1408   J1410 - J1411
           J1416   J1425   J1430   J1435   J1433   J1441

510553   J1411   J1422 - J1423 - J1424 - J1428   J1430

518554   J1118   J1411   J1417   J1428   J1430   J1435 - J1436 - J1437 - J1438 - J1439

510555   J1411   J1429 - J1436   J1440 - J1441 - .J1442 - J1443 - J1444

510557   J1131   J1203   J1215   J1227   J1312 - J1313 - J1314   J1316 - J1317 - J1318
           J1408   J1410 - J1411   J1415 - J1416 - J1417   J1419 - J1420   J1422   J1429
           J1430   J1438   J1441   J1444

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
          J1130

510560   J1104   J1112   J1203 - J1204 - J1205 - J1206 - J1207 - J1203 - J1209 - J1210
    - J1211 - J1212 - J1213   J1219 - J1220   J1223 - J1224 - J1225 - J1226   J1248
          J1313   J1316 - J1317 - J1318   J1407 - J1408   J1410 - J1411   J1414 - J1415
    - J1416 - J1417 - J1418 - J1419 - J1420   J1422 - J1423   J1425   J1428 - J1429
    - J1430   J1435   J1437 - J1438   J1443 - J1441 - J1442   J1444

        SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
          J1249

510561   J1203 - J1204 - J1205 - J1206 - J1207 - J1208   J1220   J1225   J1408   J1416
    - J1417   J1420

510562   J1205   J1208   J1211   J1224 - J1225   J1407   J1416 - J1417

510563   J1203   J1206   J1225   J1408   J1416 - J1417

510564   J1411   J1416   J1419   J1422 - J1423 - J1424 - J1425 - J1426   J1428   J1431

510565   J1316   J1411   J1416   J1418 - J1419   J1422 - J1423 - J1424 - J1425 - J1426
          J1428   J1431   J1440   J1442

510566   J1424 - J1425

516567   J1424 - J1425

510570   J1424 - J1425

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   **IOU OFF**   **CPU OFF**
DIAGNOSE STATUS   **IOU OFF**   **CPU OFF**

STOP   **CONNECTORS**

510571   J1411   J1423   J1432   J1434 - J1435 - J1436 - J1437 - J1438 - J1439   J1441

510572   J1316   J1408   J1411   J1423   J1432 - J1433 - J1434 - J1435 - J1436 - J1437
       - J1438 - J1439

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1130

510573   J1435   -   J1436

510574   J1435   -   J1436

510575   J1435   -   J1436

510576   J1411   J1431 - J1432   J1437 - J1438   J1440 - J1441   J1443 - J1444 - J1445

510577   J1104 - J1105   J1112 - J1113   J1115 - J1116   J1120   J1123 - J1124   J1126
           J1128 - J1129   J1135   J1145   J1206   J1212 - J1213 - J1214   J1218 - J1219
      - J1220   J1225   J1228   J1231   J1233 - J1234   J1236   J1243 - J1244   J1246
           J1243   J1305   J1311 - J1312   J1316   J1322 - J1323 - J1324 - J1325   J1328
           J1330   J1337   J1407   J1409   J1411 - J1412   J1417   J1422 - J1423   J1428
           J1431 - J1432   J1437 - J1438   J1441 - J1442 - J1443 - J1444 - J1445 - J1446

       SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
       J1147

510600   J1443   -   J1444

510601   J1443   -   J1444

510602   J1443   -   J1444

510603   J1109   J1113   J1204   J1207   J1215   J1407   J1411   J1422 - J1423   J1430
           J1437   J1441 - J1442

510604   J1204 - J1205   J1207 - J1708 - J1209 - J1210   J1212 - J1213   J1219   J1224
      - J1225   J1332   J1407 - J1408   J1410 - J1411 - J1412   J1416 - J1417   J1424
      - J1425   J1435 - J1436   J1443 - J1444

510605   J1411   J1416   J1419

510606   J1110   J1411   J1416   J1423

510607   J1416   -   J1417   J1437

510610   J1416   -   J1417

510611   J1416   -   J1417

510612   J1411   J1422   J1425

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS	IOU OFF	CPU OFF			
DIAGNOSE STATUS	IOU OFF	CPU OFF			

STOP   CONNECTORS

510513	J1109 - J1110	J1411	J1423	J1425	J1428	

SUBSTITUTE THE FOLLOWING CARD ASSEMBLY:
   J1130

510614	J1424 - J1425
510615	J1424 - J1425
510616	J1424 - J1425
510617	J1411 J1435 J1438
510620	J1109 - J1110 J1411 J1430 J1435 J1437
510621	J1435 - J1436
510622	J1435 - J1436
510623	J1435 - J1436
510625	J1109 J1411 J1430 J1441 - J1442 J1444
510626	J1443 - J1444
510627	J1443 - J1444
510630	J1443 - J1444
510631	J1408 - J1409 J1414 J1419 J1422 J1428
510632	J1212 J1223 J1407 J1418 - J1419 - J1420 J1428
510633	J1418 J1428
510634	J1422 J1428
510635	J1422 - J1423 J1428
510637	J1406 J1410 J1412 J1431 - J1432 - J1433 J1438 J1441
510643	J1437 - J1438 - J1439
510641	J1437 J1439
510642	J1405 - J1406 - J1407 - J1408 - J1409 - J1410 - JI411 - J1412 J1416 - J1417 - J1418 J1420 J1422 - J1423 - J1424 J1428 - J1429 J1431 - J1432 J1434 - J1435 - J1436 J1438 - J1439 J1441 - J1442 - J1443 - J1444 J1446
510643	J1217 J143S J1441 - J1442
510644	J1442

Change 2 2-478

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

510646   J1104   J1108 - J1109 - J1110   J1112   J1115 - J1116 - J1117 - J1118 - J1119
        - J1120 - J1121 - J1122 - J1123 - J1124 - J1125 - 31126 - J1127 - J1128 - J1129
          J1131 - J1132 - J1133 - J1134 - J1135 - J1136 - J1137 - J1138 - J1139 - J1140
        - J1141 - J1142 - J1143 - J1144 - J1145 - J1146   J1203 - J1204 - J1205 - J1206
        - J1207   J1209 - J1210 - J1211 - J1212 - J1213 - J1214 - J1215   J1217 - J1210
        - J1219 - J1220   J1222   J1224   J1226 - J1227 - J1228 - J1229 - J1230 - J1231
        - J1232 - J1233 - J1234 - J1235 - J1236   J1239 - J1240 - J1241 - J1242 - J1243
        - J1244 - J1245 - J1246 - J1247 - J1248   J1306   J1308 - J1309 - J1318 - J1311
        - J1312 - J1313 - J1314   J1317 - J1318 - J1319 - J1320.   J1322 - J1323   J1325
        - J1326 - J1327 - J1328 - J1329   J1331 - J1332   J1334 - J1335   J1337   J1340
          J1404   J1408   J1411 - J1412   J1418 - J1419 - J1420   J1422   J1430   J1436
          J1438 - J1439 - J1440 - J1441 - J1442

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
         J1130   J1147   J1238   J1249

510647   J1104   J1112   J1138 - J1139   J1144 - J1145 - J1146   J1203   J1213   J1217
        - J1218 - J1219 - J1220   J1224   J1226 - J1227 - J1228   J1231   J1234 - J1235
        - J1236   J1243   J1247 - J1248   J1306   J1316   J1327   31337 - J1338 - J1339
          J1341   J1406 - J1407 - J1408 - J1409 - J1410 - J1411   J1414 - J1415 - J1416
        - J1417 - J1418 - J1419 - J1420 - J1421 - J1422 - J1423 - J14Z4 - J1425 - J1426
          J1428 - J1429 - J1430 - J1431 - J1432 - J1433 - J1434 - J1435 - J1436 - J1437
        - J1438 - J1439 - J1440 - J1441 - J1442 - J1443 - J1444 - J1445

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1249   J1450

510650   J1104   J1112   J1116   J1118 - J1119 - J1120   J1129   J1131   J1137 - J1139
        - J1139 - J1140 - 31141 - J1142   J1144 - J1145 - J1146   J1203 - J1204 - J1205
        - J1206 - J1207 - J120S - J1209 - J1210 - J1211 - J1212 - J1213 - J1214 - J1215
          J1217 - J1218 - J1219 - J1220 - J1221 - J1222 - J1223 - J1224 - J1225 - J1226
        - J1227 - J1228 - J1229 - J1230 - J1231 - J1232 - J1233 - J1234   J1236   J1240
          J1243 - J1244   J1247 - 31248   J1304   J1310   J1324   J1327 - J132S   J1333
          J1337 - J1338 - J1339 - J1340 - J1341   J1343 - J1344 - J1345 - J1346   J1407
        - J1408   J1411 - J1412   J1414 - J1415 - J1416 - J1417 - J1418   J1423 - J1424
        - J1425 - J1426   J1429   J1434 - J1435 - J1436   J1438   J1443 - J1444 - J1445

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1130

510651   J1104   J1117 - J1118   J1137 - J1138 - J1139   J1142   J1144 - J1145 - J1146
          J1203 - J1204   J1206   J1209   J1211   J1217 - J1218   J1221   J1223 - J1224
        - J1225   J1227 - J1228   J1231   J1248   J1327 - J1328   J1332 - J1333   J1339
        - J1346 - J1341   J1343   J1412   J1416   J1425   J1435   J1444

      SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
         J1130

510652   J1116   J1131   J1137   J138   J1144 - J1145 - J1146   J1203 - J1284   J1206
        - J1207 - J1208   J1211   J1214 - J1215   J1221   J1223 - J1224 - J1225   J1248
          J1306   J1333   J1339 - J1340   J1407   J1417   J1421   J1424   J1436   J1443

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

| PROGRAM LOAD STATUS | IOU OFF | CPU OFF |
| DIAGNOSE STATUS | IOU OFF | CPU OFF |

STOP   **CONNECTORS**

510653   SUBSTITIUTE THE FOLLOWING CARD ASSEMBLIES
LOACTED IN RADAR SIMULATOR UNIT AT RACK 1
J1311

51O653   J1139 - J1140   - J1141   - J1142   J1144 - J1145

510654   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATER UNIT A6 RACK 1
J1312

510654   J1134

510655   J1104   J1109   J1113   J1117 - J1119 - J1119   J1124   J1131 - J1132 - J1133
         - J1134 - J1135 - J1136   J1139 - J1140 - J1141   - J1142 - J1143   J1204   J1207
            J1209 - J1210 - J1211 - J1212 - J1213 - J1214   J1217 - J1218 - J1219 - J1220
         - J1221 - J1222 - J1223   J1226 - J1227 - J1226 - J1229   J1231 - J1232 - J1233
            J1235 - J1236   J1239 - J1240 - J1241 - J1242   J1244 - J1245   -J1246 - J1247
            J1312 - J1313   J1316   J1324 - J1325   J1328 - J1329 - J1330   J1339   J1404
            J1406 - J1407 - J1408 - J1409 - J1410   J1412   J1414 - J1415 - J1416 - J1417
         - J1418   J1423 - J1424 - J1425 - J1426   J1429

            SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
               J1450

510700   J1119   J1217 - J1218 - J1219 - J1220   J1223 - J1224 - J1225   J1227 - J1228
            J1230   - J1231 - J1232   J1235

510701   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1313

510782   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1312   J1313   J1314

510702   J1218   J1303   J1324   J1326   J1329 - J1330 - J1331 - J1332   J1337

510703   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1312

510703   J1109   J1119   J1302 - J1303 - J1304 - J1309 - J1306   J1314   J1331

510704   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1313

510704   J1329 - J1330 - J1331 - J1332   J1337

510705   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS   IOU OFF   CPU OFF
DIAGNOSE STATUS   IOU OFF   CPU OFF

STOP   CONNECTORS

        J1313

510706   J1204

510707   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1313

510707   J1204   J1303

510710   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
Jl314

510711   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1312   J1313

510711   J1303   J1324   J1326   J1329 - J1330 - J1331 - J1332   J1337

510712   J1218 J1329   - J1330 - J1331 - J1332   J1337

510713   SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1312

510713   J1302   - J1303   J1307 - J1309 - J1309   J1326   J1331

510714   1. IF CHAFF DISPLAY IS MISSING WITH RIE PANEL 1 "SPECIAL VIDEO" SWITCH IN
EITHER "MTI" OR "NORM" POSITION--SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1313   J1314
2. IF CHOFF DISPLAY IS MISSING WITH RIE PANEL 1 "SPECIAL VIDEO" SWITCH IN
"MTI" POSITION--SUBSTITUTE THE FOLLOWING CARD ASSEMBLY:
LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1
J1313
3. IF CH0FF DISPLAY IS MISSING WITH RIE PANEL 1 "SPECIAL VIDEO" SWITCH IN
 "NORM" POSITION--SUBSTITUTE THE FOLLOWIN5 CARD ASSEMBLY:
 LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1

510714   J1204   J1303   J1314

510715   J1104   J1108 - J1109   J118 - J1119   J1132 - J1133   J1135 - J1136   J1141
            J1204 - J1205 - J1206 - J1207   J1209 - J1210   J1212   J1214   J1217 - J1218
       - J1219 - J1220   J1225   J1228   J1235   J1239   J1241   J1245   J1306   J1309
            J1312 - J1313 - J1314   J1317 - J1318   J1320   J1322 - J1323 - J1324 - J1325
       - J1326 - J1327 - J1328 - J1329 - J1330   J1334 - J1335   J1337   J1406 - J1407
            J1414   J1422   J1430 - J1431   J1433   J1446

     SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES::
      J1450

Change 2 2-481

TABLE 2-31. VSU TEST FAULT LOCATION - CONTINUED

PROGRAM LOAD STATUS IOU OFF CPU OFF
DIAGNOSE STATUS IOU OFF CPU OFF

STOP CONNECTORS

| 510716 | SUBSTITUE THE FOLLOWING CARD ASSEMBLIES LOCATED IN RADAR SIMULATOR UNIT A6 RACK 1 J1313 |

| 510716 | J1204 | J1303 |

511002		J1405	-	J1406	-	J1407	-	J1408	-	J14O9	-	J1416	-	J1411	-	J1412		J1416	-	J1417
	-	J1418		J1420		J1422	-	J1423	-	J1424		J1428	-	J1429		J1431		J1435	-	J1436
		J1438	-	J1433		J1441	-	J1442	-	J1443	-	J1444		J4434

| 511003 | | J1438 | | J1441 | - | J1442 |

511005		J1105	-	J1106		J1108		J1111	-	J1112		J1114	-	J1115		J1117		J1119	-	J1120
		J1121	-	J1122	-	J1123	-	J1124	-	J1125		J1133		J1139	-	J1146		J1203		J1205
	-	J1206		J1208		J1211		J1214	-	J1215		J1217	-	J1218	-	J1219		J1240		J1244
		J1246		J1312	-	J1313		J1326		J1328		J1341		J1409	-	J1410	-	J1411	-	J1412
		J1418		J1429	-	J1436		J1437

SUBSTITUTE THE FOLLOWING CARD ASSEMBLIES:
J1136   J1249

Change 2 2-482

By Order of the Secretary the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

R.L. DILWORTH
Brigadier General, United States Army
The Adjutant General

Distribution:

To be distributed in accordance with DA Form 12-32, Organizational Maintenance requirements for AN/TSQ-73 Missile System.

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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

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DA FORM 1 JUL 79 **2028-2**

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
1 decimeter = 10 centimeters = 3.94 inches
1 meter = 10 decimeters = 39.37 inches
1 dekameter = 10 meters = 32.8 feet
1 hectometer = 10 dekameters = 328.08 feet
1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
1 decigram = 10 centigrams = 1.54 grains
1 gram = 10 decigram = .035 ounce
1 decagram = 10 grams = .35 ounce
acres
1 hectogram = 10 decagrams = 3.52 ounces
1 kilogram = 10 hectograms = 2.2 pounds
1 quintal = 100 kilograms = 220.46 pounds
1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliters = .34 fl. ounce
1 deciliter = 10 centiliters = 3.38 fl. ounces
1 liter = 10 deciliters = 33.81 fl. ounces
1 dekaliter = 10 liters = 2.64 gallons
1 hectoliter = 10 dekaliters = 26.42 gallons
1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47

1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C