PAPER ONLY MAP PAGE 1 OF 18

ENTRY POINTS

FROM	ENTER	THIS MAP	
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
0000 0000 0055770 2255775	BCDADEEF	59 8 18 22 13	024 054 041 001 002 002

	EX1	T	PC	ΊI	ITS
--	-----	---	----	----	-----

EXIT TH	IS MAP	то	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTR' POIN
R   R   R   R   R   R   R   R   R   R	56724578904567903979358025635679046789231435679046789234891234004100000000000000000000000000000000	11111111111111111111111111111111111111	RY I AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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4955 PROCESSING UNIT (4) PAPER ONLY MAP PAGE 2 OF 18 002 (ENTRY POINT E) SEE MLD BINDER. SEE ALD PA100. SEE ALD PA105. SEE THE CORRECT PROCESSING UNIT ALD A5XXX. THE TABLE BELOW IS A REFERENCE ONLY. (XX) = CABLE OFF \* = JUMPER ON PROCESSING UNIT MODEL ADDRESS CARD ROS CARD SUNCTION SERVING J2221122 1222222 122222 RECORD THE CONSOLE DATA AND THE STATUS OF LOAD INDICATOR. DISCONNECT CONSOLE CABLE 'C3' FROM THE ROS TOP CARD CONNECTOR 'W' IS THE CONSOLE SILENT ? 003 DISCONNECT CONSOLE CABLE 'C2' FROM THE ADDRESS TOP CARD CONNECTOR 'WL' (XX) = CABLE OFF \* = JUMPER ON IS THE CONSOLE SILENT ? 004 DISCONNECT CONSOLE CABLE 'C1' FROM THE DATA TOP CARD CONNECTOR 'X' (XX) = CABLE OFF \* = JUMPER ON (C1) (C2) (C3) IS THE CONSOLE SILENT ? 005 INSPECT THE CONSOLE FOR GROUND SHORT TO AUDIBLE DEVICE C3-B11. C1 C2 (C3) | N (C1) (C2) (C3) | N (C1) (C2) (C3) | N GO TO MAP 1071, ENTRY POINT A. 006 CABLE C1 TO THE AUDIBLE DEVICE C1 C2 (C3) | N C1 (C2) (C3) | N (C1) (C2) (C3) | Y INSPECT THE CONSOLE FOR A SHORT IN THESE AREAS: 1. THE DATA INDICATOR THAT WAS ACTIVE --TO --- THE AUDIBLE DEVICE.
2. COLUMN 1 -- TO -- THE AUDIBLE DEVICE.
3. COLUMN 7 -- TO -- THE AUDIBLE DEVICE.
GO TO MAP 1071, ENTRY POINT A. 007 CONSOLE C2 TO THE AUDIBLE DEVICE C1 (C2) (C3) | N | C1 (C2) (C3) | Y INSPECT THE CONSOLE FOR A SHORT IN THESE AREAS: 1. THE LEVEL INDICATOR THAT WAS ACTIVE --TO --- THE AUDIBLE DEVICE.
2. COLUMN 2 THROUGH 6 -- TO -- THE AUDIBLE
DEVICE MAP 1071, ENTRY POINT A.

4955 PROCESSING UNIT (4) PAPER ONLY MAP PAGE 3 OF 18 OOR
CONNECT A JUMPER FROM THE AUDIBLE DEVICE ON
CABLE CONNECTOR C3-B11
THE ROS TOP CARD CONNECTOR 'W' PIN '31'. (XX) = CABLE OFF \* = JUMPER ON SEE MLD BINDER. SEE ALD PA100. SEE ALD PA105. SEE THE CORRECT PROCESSING UNIT ALD A5XXX. THE TABLE BELOW IS A REFERENCE ONLY. PROCESSING UNIT MODEL DATA ADDRESS CARD ROS CARD MODEL A MODEL C MODEL D MODEL D MODEL E MODEL F 7222 H222 H222 **したいといれる** KEMJJ2 Servens IS THE CONSOLE SILENT ? 009 DISCONNECT CONSOLE CABLE 'C1' FROM THE DATA TOP CARD CONNECTOR 'X' (XX) = CABLE OFF \* = JUMPER ON (C1) C2 \*(C3) IS THE CONSOLE SILENT ? ISCONNECT CONSOLE CABLE 'C2' THE ADDRESS TOP CARD CONNECTOR 'WL' (C1) (C2) \*(C3) IS THE CONSOLE SILENT ? 011 GO TO MAP 2570, ENTRY POINT D. 012 INSPECT THE CONSOLE FOR A SHORT IN THESE AREAS: 1. THE LEVEL INDICATOR THAT WAS ACTIVE --- TO --- COLUMN 2 THROUGH 6. GO TO MAP 1071, ENTRY POINT A. DISCONNECT CONSOLE CABLE 'C2' (XX) = CABLE OFF \* = JUMPER ON FROM THE ADDRESS TOP CARD CONNECTOR 'WL' CONNECT CONSOLE CABLE 'C1'
TO
THE DATA TOP CARD CONNECTOR 'X' C1 (C2) \*(C3) SEE MLD BINDER. SEE ALD PA100. SEE ALD PA105. SEE THE CORRECT PROCESSING UNIT ALD A5XXX. THE TABLE BELOW IS A REFERENCE ONLY. PROCESSING UNIT MODEL DATA CARD ADDRESS CARD ROS CARD 1222 H222 H222 KEMJJJ J LENCKK KKKK IS THE CONSOLE SILENT ?

> 15JAN81 PN1635031 EC869422 PEC375475 MAP 2573-3

4 4 4 D E F

020 THE CONSOLE DATA '00E5'
LOAD LAMP ON ?

777775 GHJKLM

```
4955 PROCESSING UNIT (4)
            PAPER ONLY MAP
            PAGE 5 OF 18
021
SEE THE DATA INDICATORS.
 DATA
 FFF0
FFF4
FFF8
FFFC
DID THE DATA INDICATORS EQUAL ANY NUMBER ABOVE?
  SEE THE DATA INDICATORS.
   DATA
  DID THE DATA INDICATORS EQUAL ANY NUMBER ABOVE? \stackrel{\wedge}{\text{P}} N
     023
SEE THE DATA INDICATORS.
      DATA
     DID THE DATA INDICATORS EQUAL ANY NUMBER ABOVE?
       024 ROW D IS A SHORT CIRCUIT TO ONE OF THE COLUMN(S).
       (ENTRY POINT B)
         DATA
FFF0
FFF1
FFF2
FFF3
       DID THE DATA INDICATORS EQUAL ANY NUMBER \stackrel{ABOVE?}{\uparrow} N
          025
SEE THE DATA INDICATORS.
           DATA
FFF4
FFF5
FFF6
FFF7
          DID THE DATA INDICATORS EQUAL ANY NUMBER ABOVE?
```

6 6 6 6 6 6 N P Q R S T

N P Q R S T 4955 PROCESSING UNIT (4)
5 5 5 5 5 5 5 5 PAPER ONLY MAP

PAGE 6 OF 18

SEE THE DATA INDICATORS.

FFF8 FFF9 FFFA FFFB

DO THE DATA INDICATORS EQUAL ANY NUMBER ABOVE?

027 ONE OF THE ROWS ALREADY DETERMINED IS A SHORT CIRCUIT TO COLUMN 11. GO TO MAP 1071, ENTRY POINT A.

028
ONE OF THE ROWS ALREADY DETERMINED IS A SHORT CIRCUIT TO COLUMN 10.
GO TO MAP 1071, ENTRY POINT A.

029 ONE OF THE ROWS ALREADY DETERMINED IS A SHORT CIRCUIT TO COLUMN 9.6 GO TO MAP 1071, ENTRY POINT A.

030 ONE OF THE ROWS ALREADY DETERMINED IS A SHORT CIRCUIT TO COLUMN 8. GO TO MAP 1071, ENTRY POINT A.

031
ROW C IS A SHORT CIRCUIT TO ONE OF THE COLUMN(S).
GO TO PAGE 5, STEP 024, ENTRY POINT B.

032 ROW B IS A SHORT CIRCUIT TO ONE OF THE COLUMN(S): GO TO PAGE 5, STEP 024, ENTRY POINT B.

033 ROW A IS A SHORT CIRCUIT TO ONE OF THE COLUMN(S): GO TO PAGE 5, STEP 024, ENTRY POINT B.

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GHJKL 4955 PROCESSING UNIT (4)
PAPER ONLY MAP
```

PAGE 7 OF 18

INSPECT THE CONSOLE FOR A SHORT IN THESE AREAS:

1. COLUMN 0 --- TO --- ROW D.
2. COLUMN 0 --- TO --- INDICATOR THAT
3. ON CARRIED BY C3.
3. COLUMN 0 --- TO --- THE AUDIBLE DEVICE LUMN 0 --- TO --- GROUND.
4. COLUMN 0 --- TO --- GROUND.
6. TO MAP 1071, ENTRY POINT A.

IF THE CONSOLE IS GOOD.
GO TO MAP 2570, ENTRY POINT D.

035 INSPECT THE CONSOLE FOR A SHORT BETWEEN COLUMN 0 AND ROW C GO TO MAP 1071, ENTRY POINT A.

136

INSPECT THE CONSOLE FOR A SHORT BETWEEN THE AUDIBLE DEVICE AND THE INDICATOR ON C3 THAT IS ACTIVE.

1. COLUMN 11 AND ROW D. 2. ROW A-D TO CONSOLE AUDIBLE DEVICE.

D04   RUN D05   WAIT D06   LOAD	
I DIO I STOP	
DII	}
BO6   STOP ON ERROR (SOE   BO7   CHECK RESTART (CR	

637

C2 - C3

INSPECT THE CONSOLE FOR A SHORT IN THESE AREAS:

1. THE LEVEL INDICATOR THAT WAS ON --- TO --- COLUMN 0: INDICATOR THAT WAS ON --- TO 2. THE LEVEL INDICATOR THAT WAS ON --- TO --- COLUMN 8 THROUGH 11.

3. THE INDICATOR THAT IS ON --- TO --- COLUMN 2 THROUGH 6.

4. ROH A THROUGH 0 --- TO --- COLUMN 2 THROUGH 6.

THROUGH 6.

GO TO MAP 1071, ENTRY POINT A.

038 C1 - C3

SEE THE CHART BELOW.

col	LUMN 7 KEYS CARRIED BY CABLE CI	_
D11	INSTRUCTION STEP (IS) STOP ON ADDRESS (SOA) STOP ON ERROR (SOE) CHECK RESTART (CR)	

WAS INDICATOR 'IS', 'SOA', 'SOE' OR 'CR' ON THAT SHOULD NOT BE ON ?

039 C1 - C3

INSPECT THE CONSOLE FOR A SHORT IN THESE AREAS:

1. COLUMN 1 --- TO --- ROW A THROUGH D. 2. COLUMN I --- TO --- ROW ATHROUGH D. IS ON. THE INDICATOR THAT IS ON --- TO --- COLUMN 2 THROUGH 6. GO TO MAP 1071, ENTRY POINT A.

Ĭ	Cl	C2	(C3)	IYI
I	.C1.	CS	*(C3)	Y
i	(C1)	,C2,	C3	INI
ı	(C1)	(C2)	C3	1 1

C1 C2 (C3) Y C1 C2 \*(C3) Y (C1) C2 \*(C3) Y

```
4955 PROCESSING UNIT (4)
PAPER ONLY MAP
PAGE 8 OF 18

040
C1 - C3
INSPECT THE CONSOLE FOR A SHORT IN THESE AREAS:
1. COLUMN 7 --- TO --- ROW A THROUGH D. ON COLUMN 7 --- TO --- INDICATOR THAT IS ON TO MAP 1071, ENTRY POINT A.

041
(ENTRY POINT D)
(CONSOLE SILENT.)
SEE MLD BINDER.
SEE ALD PA100.
SEE ALD PA100.
SEE ALD PA100.
SEE THE CORRECT PROCESSING UNIT ALD A5XXX.
THE TABLE BELOW IS A REFERENCE ONLY.
```

	PROCESSING UNIT MODEL	DATA CARD	ADDRESS CARD	ROS CARD
,	MODEL A MODEL B MODEL C MODEL D MODEL F MODEL F	J22 D22 L22 H22 H22 H22	See July See	Lacaca Nacaca KKK KK

IS THE LEVEL 0 INDICATOR ON ?

042
DISCONNECT CONSOLE CABLE 'C2' FROM ADDRESS
CONNECTOR 'WL'.
GROUND 'C2-B09'.

IS THE LEVEL 0 INDICATOR ON ?

043 INSPECT CABLE 'C2' AND THE LEVEL 0 INDICATOR.

GO TO MAP 1071, ENTRY POINT A.

GO TO MAP 2571, ENTRY POINT A.

045 ARE INDICATORS LEVEL 1,2 AND 3 OFF ? Y N

046
RECORD THE LEVEL LAMP THAT IS ON. THIS IS AN ERROR SYMPTOM.
GO TO PAGE 9, STEP 054, ENTRY POINT C.

047 IS THE STOP INDICATOR ON ? Y N

048
DISCONNECT CONSOLE CABLE 'C3'
FROM
THE ROS TOP CARD CONNECTOR 'W'
GROUND 'C3-D10'.

IS THE STOP LAMP ON ?

049 INSPECT THE CONSOLE FOR AN OPEN STOP CIRCUIT. GO TO MAP 1071, ENTRY POINT A.

650 TO MAP 2571, ENTRY POINT A.

```
4955 PROCESSING UNIT (4)
                    PAPER ONLY MAP
                    PAGE 9 OF 18
051
 STOP ON ERROR
CHECK RESTART
INSTRUCTION STEP
STOP ON ADDRESS
CHECK
ARE THESE CONSOLE INDICATORS ALL OFF ?
  RECORD THE ERROR LAMP(S) ON.
GO TO STEP 054, ENTRY POINT C.
053
 RUN
WAIT
LOAD
ARE THESE CONSOLE INDICATORS ALL OFF ?
  ^{\ensuremath{054}}_{\ensuremath{\text{RECORD}}} which one of these indicators is on.
   (ENTRY POINT C)
  THE TERM 'ERROR LAMP' USED IN THIS MAP IS A LAMP THAT IS ON AND SHOULD NOT BE ON.
  DISCONNECT CONSOLE CABLE C1 FROM THE DATA TOP CARD CONNECTOR 'X'.
  SEE MLD BINDER.
SEE ALD PA100.
SEE ALD PA105.
SEE THE PA105.
SEE THE CORRECT PROCESSING UNIT ALD A5XXX.
THE TABLE BELOW IS A REFERENCE ONLY.
      PROCESSING
UNIT
MODEL
                          DATA
CARD
                                     ADDRESS
CARD
                                                      ROS
CARD
                            J22222
H22
H22
                                          KEMJJJ
                                                        これないない
  IS THE ERROR LAMP NOW OFF ?
```

(XX) = CABLE OFF (C1) C2 C3

> 15JAN81 PN1635031 EC869422 PEC375475 MAP 2573-9

1 1 3 2 1 X 4955 PROCESSING UNIT (4) PAPER ONLY MAP PAGE 10 OF 18

055 DISCONNECT CONSOLE CABLE C2 FROM THE ADDRESS TOP CARD CONNECTOR 'WL'.

SEE MLD BINDER. SEE ALD PA100. SEE ALD PA105. SEE THE CORRECT PROCESSING UNIT ALD A5XXX. THE TABLE BELOW IS A REFERENCE ONLY.

•	PROCESSING UNIT MODEL	DATA CARD	ADDRESS CARD	ROS CARD
	MODEL A MODEL B MODEL C MODEL D MODEL E MODEL F	JOUNNOUS HELD	NOW WAY	L E E E E E E E E E E E E E E E E E E E

IS THE ERROR LAMP NOW OFF ?

056 DISCONNECT CONSOLE CABLE C3 FROM THE ROS TOP CARD CONNECTOR 'W'.

SEE MLD BINDER.
SEE ALD PA100.
SEE ALD PA105.
SEE THE CORRECT PROCESSING UNIT ALD A5XXX.
THE TABLE BELOW IS A REFERENCE ONLY.

PROCESSING UNIT MODEL	DATA CARD	ADDRESS CARD	ROS CARD
MODEL A MODEL B MODEL C MODEL D MODEL E MODEL F	J2 D2 L2 H2 H2 H2	SEE JOS	

IS THE ERROR LAMP NOW OFF ?

INSPECT THE ERROR LAMP FOR A SHORT TO GROUND.

GO TO MAP 1071, ENTRY POINT A.

058 PROBE THE ROS TOP CARD CONNECTOR 'W' FOR THE ERROR LAMP.

PROF	SE CATOR	LOGIC PROBED
UP	DOMN	MEANING
0 1 0	0 0 1	* UP DOWN PULSING

 $\ensuremath{\star}$  Signal voltage is not correct or there is no voltage. FOR A DESCRIPTION OF THE LOGIC PROBE AND ITS USE SEE LOGIC PROBE 2 MANUAL 'SY27-0127-X'. OR MAP 0010, SECTION 11.00.00.

IS THE POR LINE AT A DOWN LEVEL ?

1 (22	'	CARIE	OFF I
1 (//			0, 1
1 (01	1 (	C2)	C3
, ,,,,,	, ,	CLI	C .

	_	-	_	_	_	-	-	_	-	-	-	_	-	_	_	-	-	_	-	
1			ſ	v	v	1		_		c	٨	R	1	F		n	F	F		1
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١			1	r	1	1			1	r	2	1			1	C	3	. 1		1
٠			٠	•	•	•			•	_	_	•			•	•	_	•		•
	-	-	-	-	-	-	-	-	_	_	_	_	_	-	-	-	-	-	-	

$\left\{ \begin{array}{ccc} \left\{ \begin{array}{ccc} \overline{C1} \right\} & \left\{ \begin{array}{ccc} \overline{C2} \right\} & \left\{ \begin{array}{ccc} \overline{C3} \end{array} \right\} & \left[ \begin{array}{cccc} N \end{array} \right] \\ \left\{ \begin{array}{cccc} \overline{C1} \right\} & \left\{ \begin{array}{cccc} \overline{C2} \end{array} \right\} & \left[ \begin{array}{ccccc} N \end{array} \right] \\ \left\{ \begin{array}{ccccc} \overline{C1} \end{array} \right\} & \left\{ \begin{array}{ccccc} \overline{C2} \end{array} \right\} & \left[ \begin{array}{ccccc} N \end{array} \right] \\ \left\{ \begin{array}{ccccc} \overline{C1} \end{array} \right] & \left\{ \begin{array}{ccccc} \overline{C2} \end{array} \right\} & \left[ \begin{array}{ccccc} \overline{C3} \end{array} \right] & \left[ \begin{array}{cccccc} N \end{array} \right] \\ \left\{ \begin{array}{cccccccc} \overline{C1} \end{array} \right] & \left\{ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ı	(C1)	C2	C3	INI
(C1) (C2) (C3)   N	١	(CI)	بيوب		I N I
	1	(C1)	(C2)	(C3)	1 11 1

USE LOGIC PROBE 2 OR SIMILAR.
- SET THE TECHNOLOGY SWITCH TO 'MULTI'.
- SET LATCH SWITCH TO 'NONE'.
- SET GATE REF SWITCH TO 'GND'.

- PLUG RED (+) WIRE OF PROBE POWER CABLE ON +5 - YUG THE BLACK WIRE OF THE POWER CABLE ON A GROUND PIN.

GROUND AND VOLTAGE FOR THE PROBE IS ON ANY I/O POSITION OF THE PROCESSING UNIT BOARD.

GROUND	+57
D08	D03
J08	J03
P08	P03
U08	U03

Z A A 4955 PROCESSING UNIT (4)

1 A B
0 1 1 PAPER ONLY MAP

PAGE 11 OF 18

1 O59

INSPECT FOR A SHORT IN THESE AREAS:

1 THE ERROR LAMP --- TO --- LAMP CARRIED

2 THE ERROR LAMP --- TO --- GROUND.

3 THE ERROR LAMP --- TO --- GROUND.

4 THE ERROR LAMP --- TO --- ROW A

THROUGH D GO TO MAP 1071, ENTRY POINT A.

060

RESEAT THE CABLES.
GO TO MAP 2571, ENTRY POINT A.

061

DISCONNECT CONSOLE CABLE C3 FROM THE ROS TOP
CONNECT C2 TO 'WL':

1 ((1)	C2	L.Z	I N
1 } % † {	(65)	74	1 11
1 (21)	زيدز	, r 3 '	(3
(C1)	(C2)	(03)	ľ

[ {E <del>]</del> }	(C2)	C3 C3	Ŋ
(C1)	C2	(C3)	X

IS THE ERROR LAMP OFF ?

062
PROBE THE ADDRESS TOP CARD CONNECTOR 'WL'
FOR THE ERROR LAMP.

PROE	CATOR	LOGIC PROBED MEANING
0 1 0 1	0	* UP DOWN PULSING

 $\mbox{*}$  SIGNAL VOLTAGE IS NOT CORRECT OR THERE IS NO VOLTAGE.

FOR A DESCRIPTION OF THE LOGIC PROBE AND ITS USE SEE LOGIC PROBE 2 MANUAL 'SY27-0127-X'. OR MAP 0010, SECTION 11.00.00.

IS THE LINE AT A DOWN LEVEL ?

063

INSPECT FOR A SHORT IN THE CONSOLE BETWEEN THE ERROR LAMP AND THE OTHER LAMPS IN C2.

GO TO MAP 1071, ENTRY POINT A.

RESEAT THE CABLES. GO TO MAP 2571, ENTRY POINT A.

005

INSPECT FOR A SHORT IN THESE AREAS:

1. THE ERROR LAMP --- TO --- THE LAMP ON C2 OR C3 THAT SHOULD BE ON AND IS ON. A THROUGH D. GO TO MAP 1071, ENTRY POINT A.

US	SE T	HE L	OGIC	PROBE	2 OR	SIMIL	AR.	
-	SET	THE	TECH	INOLOG	Y SWI	TCH TO	MULTI	١.
-	SET	THE				NON' O	Ε'.	
_	SET	THE	CATE	DEE	CHITTO	וי חד ע	י תואב	

- PLUG THE RED (+) WIRE OF THE PROBE POWER CABLE ON +5 V.
- PLUG THE BLACK WIRE OF THE POWER CABLE ON A GROUND PIN.

THE GROUND AND VOLTAGE FOR THE PROBE IS ON ANY I/O POSITION OF THE PROCESSING UNIT BOARD.

GROUND	+57
D08	D03
J08	J03
P08	P03
U08	U03

1 (C1	ו רס	C.Z. 1	I N I
1 121	, , , , , ,	63	1 12 1
1 (C1	) (C2)	C3 1	1 Y 1
1 751	1 755	イグラン	1 10 1
1 (CI	, 62	((3))	1 14 1

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ł		C	1	)	C	2		(	C.	3)	- 1	Υ	- 1
•			_	_	 	_							_ `

4955 PROCESSING UNIT (4) PAPER ONLY MAP PAGE 12 OF 18

066 DISCONNECT CONSOLE CABLE C2 FROM THE ADDRESS CONNECT CABLE C1 TO THE DATA CONNECTOR X'.

SEE MLD BINDER. SEE ALD PA100. SEE ALD PA105. SEE THE CORRECT PROCESSING UNIT ALD A5XXX. THE TABLE BELOW IS A REFERENCE ONLY.

1	PROCESSING UNIT MODEL	DATA CARD	ADDRESS CARD	ROS CARD
*	MODEL A MODEL B MODEL C MODEL D MODEL E MODEL F	JOLEEE JOLEEE	SUN	L F N N N N N N N N N N N N N N N N N N

IS THE ERROR LAMP OFF ?

067
DISCONNECT THE CONSOLE CABLE C3 FROM THE ROS
TOP CARD CONNECTOR 'W'.

IS THE ERROR LAMP ON ?

INSPECT FOR A SHORT IN THESE AREAS:

THE ERROR LAMP --- TO --- THE LAMP ON CI OR C3 THAT SHOULD BE ON AND IS ON. THE ERROR LAMP --- TO --- ROW A THROUGH D. GO TO MAP 1071, ENTRY POINT A.

069 PROBE THE DATA TOP CARD CONNECTOR 'X' FOR THE ERROR LAMP.

PROF	ECATOR	LOGIC PROBED
UP	DOMN	MEANING
0 0 0 1	0 0 1	* UP DOWN PULSING

\* SIGNAL VOLTAGE IS NOT CORRECT OR THERE IS NO VOLTAGE. FOR A DESCRIPTION OF THE LOGIC PROBE AND ITS USE THE LOGIC PROBE 2 MANUAL 2727-0127-X: OR MAP 0010, SECTION 11.00.00.

IS THE LINE AT A DOWN LEVEL ?

070

INSPECT FOR SHORT IN THESE AREAS:

1. ERROR LAMP --- TO --- LAMP CARRIED BY C1 THAT SHOULD BE AND IS ON.
2. ERROR LAMP --- TO --- GROUND.
G0 TO MAP 1071, ENTRY POINT A.

071 RESEAT THE CABLES. GO TO MAP 2571, ENTRY POINT A.

	-	-	_	_	_	_	_	-	-	_	-	_	_	_	_	_	-	-	-	_	-	-	-	
1			•	r	1	1				r	2					r	7			1		Y		1
1			•	•												·	_			1		٠		ł
1	-	-	_	-	-	_	-	-	-	_	-	-	-	_	_	_	_	-	_	1	_	-	_	1
1				C	1				1	C	2	1				C	3			1		x		ı
•				•	•				•	_	-	•				_	_			•		••		ľ

(C1)	(C2)	C3 C3	Й
CI	(C2)	(C3)	x

	_	_	_	_	-	-	_	-	-	-	-	-	-	-	-	_	-	-	-	_	-		
1			ſ	r	1	1				r	2					c	4			1		Υ	1
ı			٠	۲	i	•			•	ř	7	1				۲	Ŧ			ı		Ň	ı
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USE THE LOGIC PROBE 2 OR SIMILAR.
- SET THE TECHNOLOGY SWITCH TO 'MULTI'.
- SET THE LATCH SWITCH TO 'NONE'.
- SET THE GATE REF SWITCH TO 'GND'.

- PLUG THE RED (+) WIRE OF PROBE POWER CABLE ON +5 V.
- PLUG THE BLACK WIRE OF THE POWER CABLE ON A GROUND PIN. THE GROUND AND THE VOLTAGE FOR THE PROBE IS ON ANY I/O POSITION OF THE PROCESSING UNIT BOARD.

GROUND	+5V
D08	D03
J08	J03
P08	P03
U08	U03

(C1) C2 C3 | Y C1 (C2) C3 | Y C1 (C2) (C3) | Y

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4955 PROCESSING UNIT (4)
                                                                                                                                MAP 2573-13
                 PAPER ONLY MAP
                 PAGE 13 OF 18
  INSPECT FOR A SHORT IN THE CONSOLE BETWEEN THE ERROR LAMP AND THE LAMP ON C1 OR C2 THAT SHOULD BE AND IS ON.
                                                                              | (C1) C2 C3 | Y | C1 (C2) C3 | Y |
  GO TO MAP 1071, ENTRY POINT A.
073
(ENTRY POINT F)
DISCONNECT CONSOLE CABLE 'C3'
FROM
THE ROS TOP CARD CONNECTOR 'W'
PRESS THE FAILING KEY.
IS THE CONSOLE SILENT ?
   074
DISCONNECT CONSOLE CABLE 'C2'
   FROM THE ADDRESS TOP CARD CONNECTOR 'WL'
                                                                                 (XX) = CABLE OFF
* = JUMPER ON
                                                                                C1 (C2) (C3)
  - PRESS THE FAILING KEY.
  IS THE CONSOLE SILENT ?
     075
     INSPECT FOR A SHORT CIRCUIT IN THESE AREAS:
                                                                              | C1 (C2) (C3) | N |
     1. STOP ON ERROR INDICATOR --- TO --- THE AUDIBLE DEVICE 2. CHECK RESTART INDICATOR --- TO --- THE AUDIBLE DEVICE INSTRUCTION STEP --- TO --- THE AUDIBLE DEVICE 4. STOP ON ADDRESS --- TO --- THE AUDIBLE DEVICE 4. STOP ON ADDRESS --- TO --- THE AUDIBLE
     DEVICE.
GO TO MAP 1071, ENTRY POINT A.
   076
INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN
THESE AREAS:
  1. THE CONSOLE CABLE --- TO ---- THE AUDIBLE DEVICE. GO TO MAP 1071, ENTRY POINT A.
ONNECT A JUMPER FROM THE AUDIBLE DEVICE ON CABLE CONVECTOR C3-B11
THE ROS TOP CARD CONNECTOR 'W' PIN '31'.
PRESS THE FAILING KEY.
IS THE CONSOLE SILENT ?
  078
DISCONNECT CONSOLE CABLE 'C1'
FROM
THE DATA TOP CARD CONNECTOR 'X'
                                                                                  (XX) = CABLE OFF
* = JUMPER ON
                                                                                  (C1) C2 *(C3)
   - PRESS THE FAILING KEY.
  IS THE CONSOLE SILENT ? \dot{Y} N
      079
DISCONNECT CONSOLE CABLE 'C2'
                                                                                (XX) = CABLE OFF
* = JUMPER ON
      THE ADDRESS TOP CARD CONNECTOR 'WL'
     REMOVE JUMPER FROM W31 AND C3B11. CONNECT CONSOLE CABLE 'C3'
      THE ROS TOP CARD CONNECTOR 'W'
      - PRESS THE FAILING KEY.
     IS THE CONSOLE SILENT ?
                                                                                                                   15JAN81
                                                                                                                                   PN1635031
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4955 PROCESSING UNIT (4)
                 PAPER ONLY MAP
                 PAGE 14 OF 18
DISCONNECT CONSOLE CABLE 'C1'
FROM
THE DATA TOP CARD CONNECTOR 'X'
- PRESS THE FAILING KEY.
IS THE CONSOLE SILENT ?
  081
  C2-C3
  IS THE ERROR KEY LEVEL 0,1,2 OR 3 ?
     082
THE ERROR KEY REGISTER 0,1,2,3,4,5,6 OR
Y N
        083
INSPECT THE CONSOLE FOR A SHORT CIRCUIT
IN THESE AREAS:
        I COLUMN 3 --- TO --- COLUMN 0,8
THROUGH 11.
COLUMN 6 --- TO --- COLUMN 0,8
THROUGH 11
GO TO MAP 1071, ENTRY POINT A.
        IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D.
     \overset{684}{	ext{IS}} THE ERROR KEY REGISTER 0,1,2 OR 3 ?
        085
INSPECT THE CONSOLE FOR A SHORT CIRCUIT
IN THESE AREAS:
        1 COLUMN 5 --- TO --- COLUMN 0,8
THROUGH 11
GO TO MAP 1071, ENTRY POINT A.
IF THE CONSOLE IS CORRECT
GO TO MAP 2570, ENTRY POINT D.
     INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS:
         COLUMN 4 --- TO --- COLUMN 0,8 THROUGH
     GO TO MAP 1071, ENTRY POINT A.
     IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D.
   NSPECT THE CONSOLE FOR A SHORT CIRCUIT IN
      COLUMN 2 --- TO --- COLUMN 0,8 THROUGH
  1 COLUMN 2 --- IU --- COLO
GO TO MAP 1071, ENTRY POINT A.
  IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D.
886
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4955 PROCESSING UNIT (4) PAPER ONLY MAP PAGE 15 OF 18 689
INSPECT THE CONSOLE FOR SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 7 --- TO --- COLUMN 2 THROUGH GO TO MAP 1071, ENTRY POINT A. IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D. 690 INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 1 --- TO --- COLUMN 2 THROUGH 6. GO TO MAP 1071, ENTRY POINT A. IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D. 091 IS THE ERROR KEY 'AKR' ? Y 092 US THE ERROR KEY LEVEL 0,1,2 OR 3 ? 093 IS THE ERROR KEY REGISTER 0,1,2,3,4,5,6 OR INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 3 --- TO --- COLUMN 4 THROUGH ĜO TO MAP 1071, ENTRY POINT A. IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D. 095 US THE ERROR KEY REGISTER 0,1,2 OR 3 ? 096 INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 5 --- TO --- COLUMN 6. GO TO MAP 1071, ENTRY POINT A. IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D. INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 4 --- TO --- COLUMN 5. 2. COLUMN 4 --- TO --- COLUMN 6. GO TO MAP 1071, ENTRY POINT A. IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D. 098 INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 2 --- TO --- COLUMN 3 THROUGH 6. GO TO MAP 1071, ENTRY POINT A. IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D. INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS:

1. COLUMN 6 --- TO --- COLUMN 2 THROUGH 5. GO TO MAP 1071, ENTRY POINT A.

IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D.

4955 PROCESSING UNIT (4) PAPER ONLY MAP PAGE 16 OF 18 100 REMOVE THE JUMPER FROM W31 AND C3B11. CONNECT CONSOLE CABLE 'C3' (XX) = CABLE OFF \* = JUNPER ON THE ROS TOP CARD CONNECTOR 'W' PRESS THE FAILING KEY. SEE MLD BINDER. SEE ALD PA100. SEE ALD PA100. SEE THE CORRECT PROCESSING UNIT ALD A5XXX. THE TABLE BELOW IS A REFERENCE ONLY. PROCESSING UNIT MODEL ADDRESS CARD DATA CARD ROS CARD JON HAND といれるとい IS THE CONSOLE SILENT ? 101 C1 C2 (C3) | Y C1 C2 \*(C3) | N (C1) C2 \*(C3) | N C1-C3 IS THE ERROR KEY THE STOP, START OR DATA BUFFER KEY? 102 INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 7 --- TO --- COLUMN 0, 8 THROUGH 11 GO TO MAP 1071, ENTRY POINT A. IF CONSOLE CORRECT GO TO MAP 2570, ENTRY POINT D. 103 INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 1 --- TO --- COLUMN 0, 8 THROUGH 11 GO TO MAP 1071, ENTRY POINT A. IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D. 104 CI INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS: 1. COLUMN 1 --- TO --- COLUMN 7. GO TO MAP 1071, ENTRY POINT A. IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D. 105 SEE THE 'EMPTY SPACE BETWEEN RESET AND STORE KEY' OR THE STORE KEY. IS ONE OF THESE KEYS THE ERROR KEY?

4955 PROCESSING UNIT (4)
PAPER ONLY MAP
PAGE 17 OF 18

106
REMOVE THE JUMPER FROM W31 AND C3B11.
CONNECT CONSOLE CABLE 'C3'
THE ROS TOP CARD CONNECTOR 'W'
AS EACH KEY IS PRESSED NOTE BITS 12,13,14,15.
PRESS DATA KEYS 3,7,B AND F.
DID EACH KEY DISPLAY CORRECTLY WHEN PRESSED ?

107 SEE THE DATA INDICATORS.



IS THE ERROR DISPLAYED SHOWN IN THE CHART?  $\frac{1}{N}$ 

108 GO TO MAP 2570, ENTRY POINT D.

GO TO MAP 1071, ENTRY POINT A.

IF THE CONSOLE IS CORRECT D. MAP 2570, ENTRY POINT D.

110
AS EACH KEY IS PRESSED NOTE BITS 12,13,14,15.
PRESS THE DATA KEYS 0,1,2 AND 3.
SEE THE CHART. ----->

IS THE ERROR DISPLAYED SHOWN IN THE CHART?  $\mathbf{Y}$ 

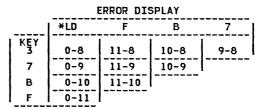
GO TO MAP 2570, ENTRY POINT D.

INCHART.

INCHAR

GO TO MAP 1071, ENTRY POINT A.

IF THE CONSOLE IS CORRECT
GO TO MAP 2570, ENTRY POINT D.



\*LD = LOAD LAMP AND DATA 00E0 OR 00E5.



		ERROR DISPLAY								
		3	2	1						
	KEY 0	A-D	A-C	A-B						
	1	B-D	В-С							
Ì	2	C-D								

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A 4955 PROCESSING UNIT (4)

K
PAPER ONLY MAP
PAGE 18 OF 18

13
INSPECT THE CONSOLE FOR A SHORT CIRCUIT IN THESE AREAS:
COLUMN 0 --- TO --- COLUMN 8 THROUGH 11.
GO TO MAP 1071, ENTRY POINT A.

IF THE CONSOLE IS CORRECT GO TO MAP 2570, ENTRY POINT D.
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