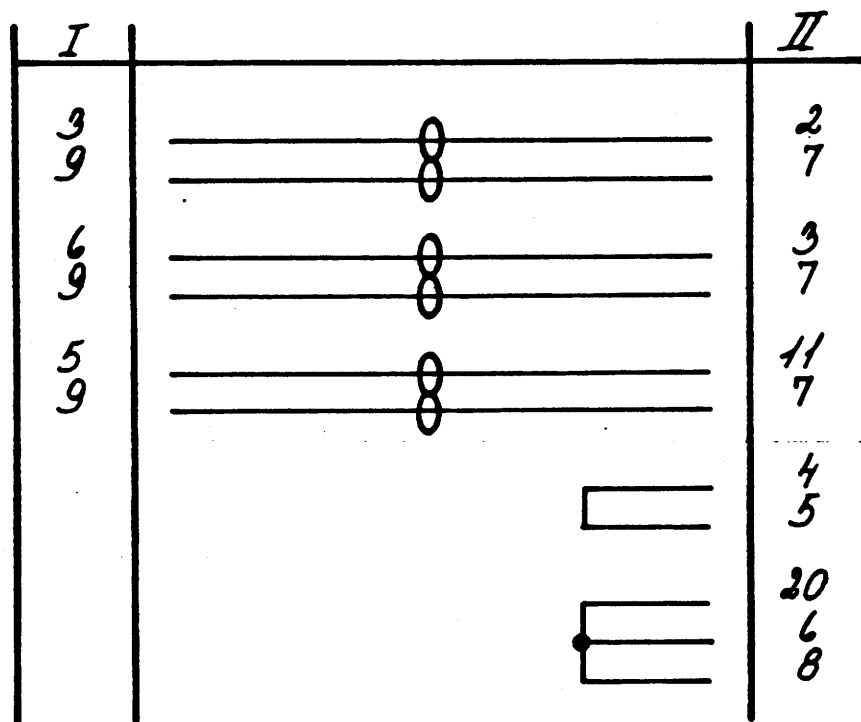


CONNECTOR I: CANNON DEC 9P

CONNECTOR II: CANNON DBC-25P

CABLE : $4 \times 2 \times 0,25 \text{ mm}^2$

LENGTH: 12 m

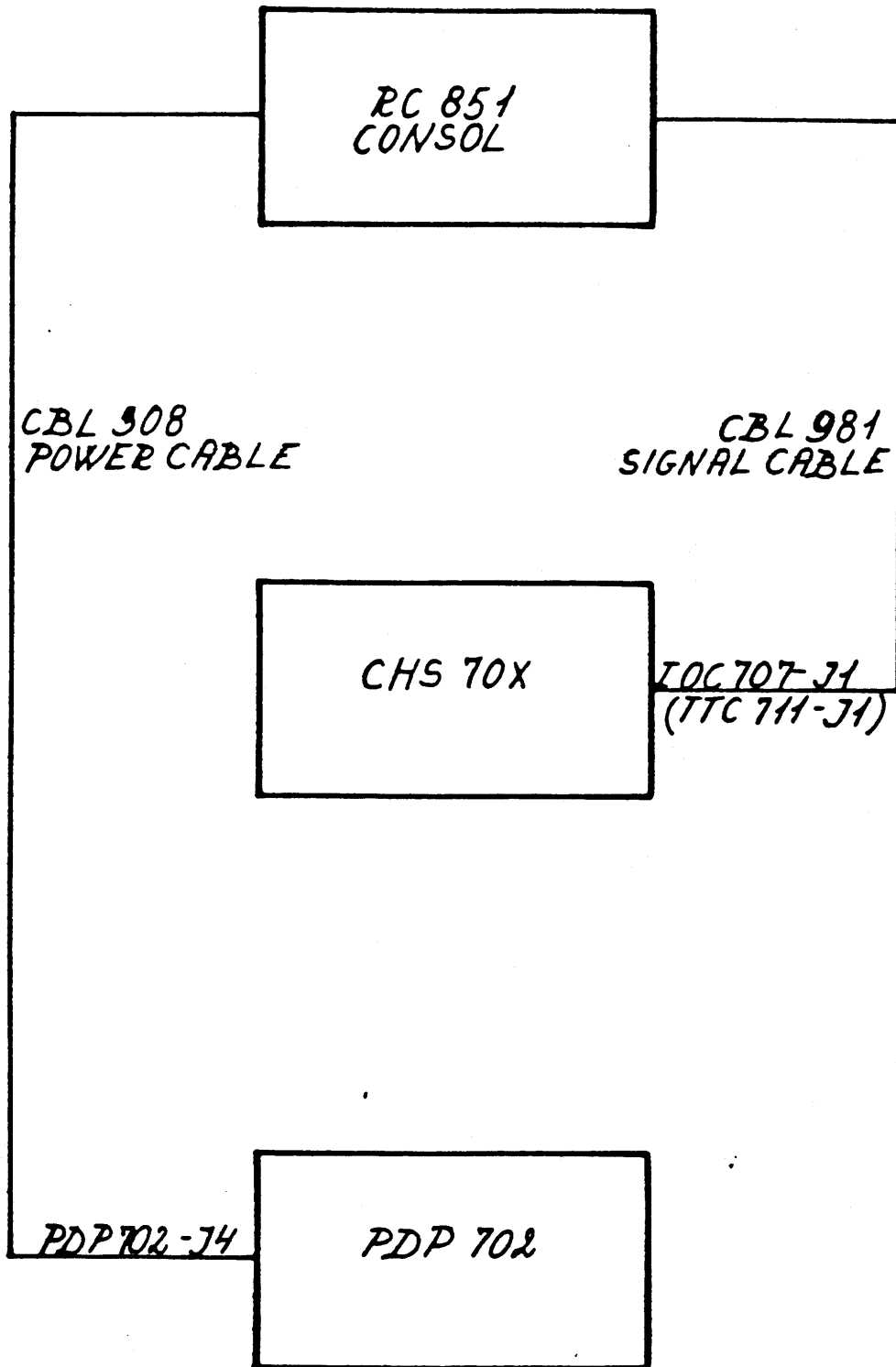


Signal Kabel, 12 m

Cable Document

AGA
82.1.26

KF
81.11.25



RC 851 Consol (or second consol) connected
to IOC 707 (or TTC 711) controller
INTERCONNECTION DIAGRAM

MGM
82.1.2

KF
81.11.25

CONNECTOR I: CANNON DEC 9P

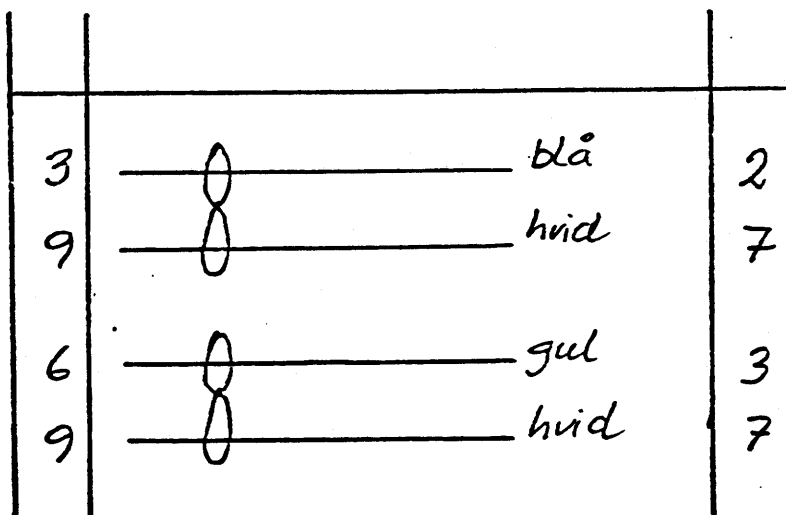
CONNECTOR II: CANNON DBC 25 S

CABLE: P. Art 2783 - 2x2 x 0.25²

LENGTH: 12, m

EMI

	P/n
DEC 9P	0135 - 15 - 032
KAPPE	0134 - 15 - 031
SKRUEER	0130 - 15 - 013
DBC 25 S	0136 - 15 - 040
KAPPE	0306 - 01 - 074
MØTRIKKER	0132 - 15 - 015
KABEL	0374 - 06 - 007

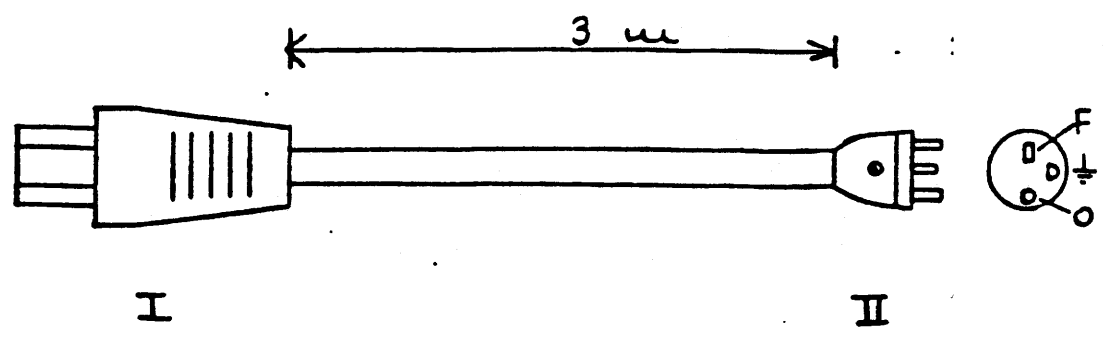


5.10.08

R 21158

CBL 313

JEM(



- II : 1 netstik, 220V 10A m. jord, plug LK.
- I : 1 netstik, 220V 10A m. jord, socket
- 3 m netkabel 3 x 1,50 mm²

II: LK-NES 101 R 0071 RC PM 3-8518
 I: Otto Heil 1020 RC P/n 4-6902

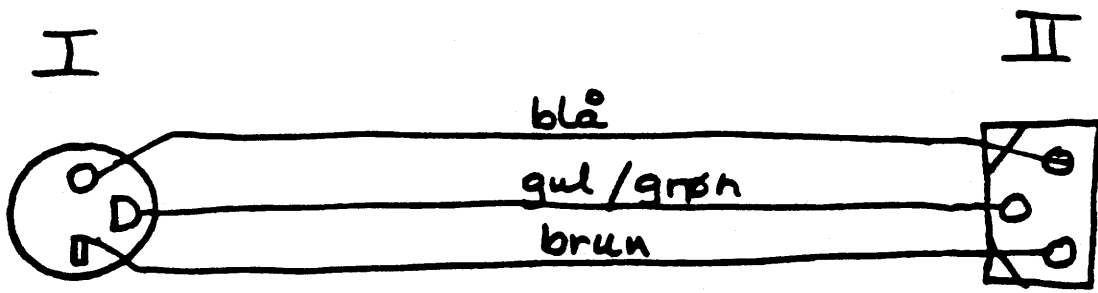
I		II
L	— brun	F
N	— blå	O
⊥	— gul/grøn	⊥

3.10.04

P 21156

CBL 310

JEMI



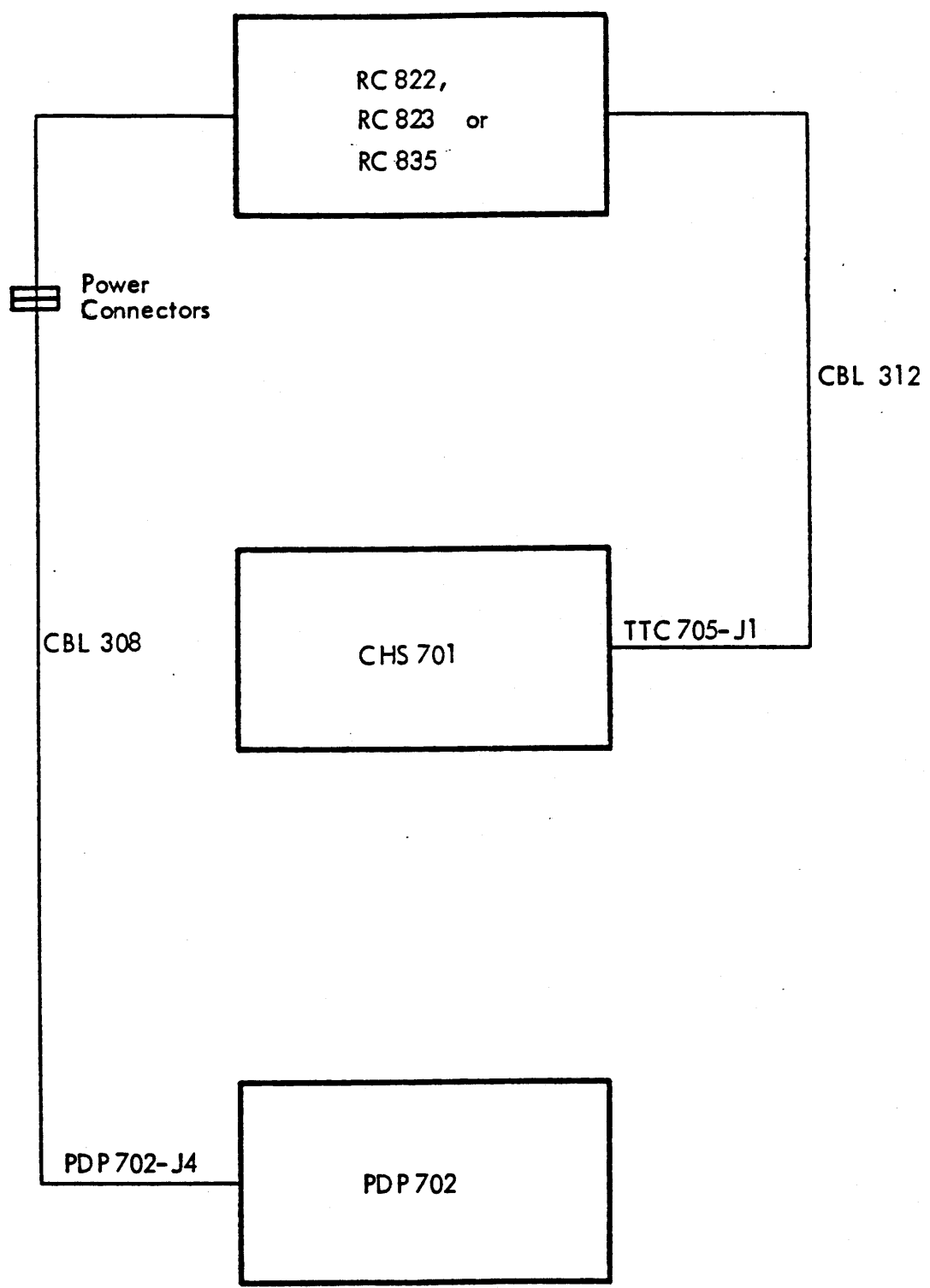
- I : LK-NES Forlængerled 4-2214
- II : Otto Heil Stikprop 4-6900
- Cable : 12m 3 x 0,75² 4-5203

4.10.76

CBL 308

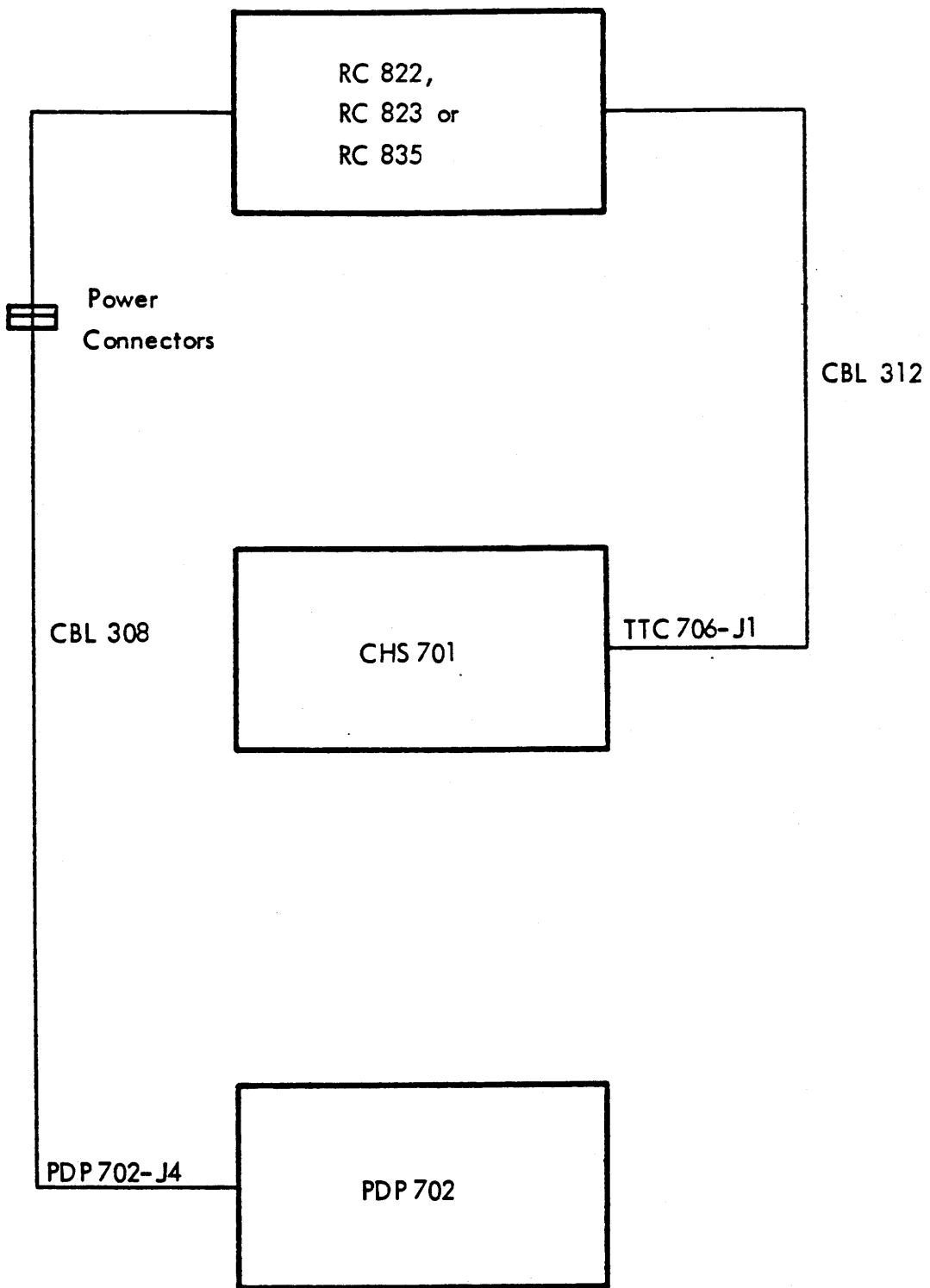
R21155

PC for VB 117	Replaced by Dwg. No.	
	due to ECN	
	Replaces Dwg. No.	
	Design. Check	
	Dwg. Office Check	
	Drawn by	770114 AOB
Designed by	760304 JEMI	
A/S REGNENCENTRALEN		



Name Dwg. R 21142	RC 822, RC 823 or RC 835 Console connected to TTC 705 Controller and PDP 702 Power Panel Interconnection Diagram	Page 1 of 1

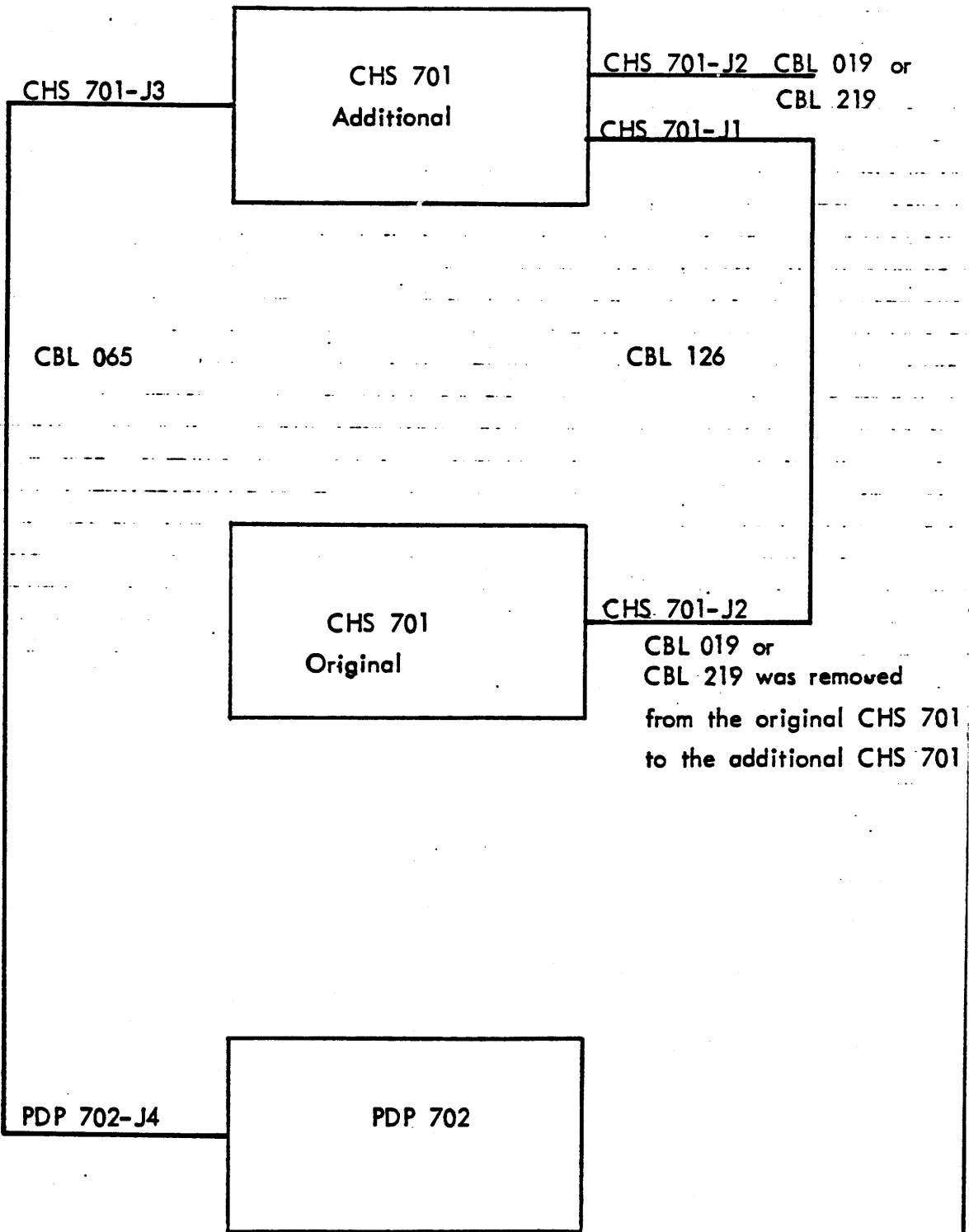
A/S REGNECENTRALEN	Designed by	760304 JEMI
	Drawn by	770114 AOB
	Dwg. Office Check	
	Design Check	
	Replaces Dwg. No.	
	due to ECN	
Replaced by Dwg. No.		



Unit DWG.
R21147
 Dwg. No.
~~44 RT 733 85~~

RC 822, RC 823 or RC 835 Second Console connected to
 TTC 706 Controller and PDP 702 Power Panel
 Interconnection Diagram

Replaced by Dwg. No. _____
 due to ECN _____
 Replaces Dwg. No. _____
 Design Check _____
 Dwg. Office Check _____
 Drawn by _____
 Designed by 21173 JFA

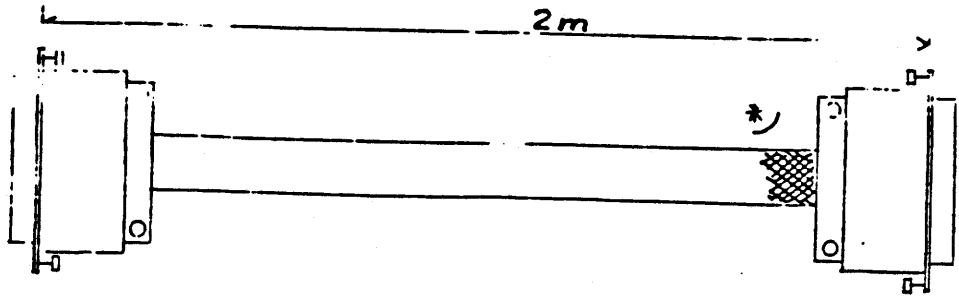


A/S REGNECENTRALEN
 Dwg. No. 44-RT-733-34

Additional CHS 701 Controller Chassis connected to
 CHS 701 Controller Chassis
 Interconnection Diagram.

JFA

I
100 pol.
kabelstik
plug



II
100 pol.
kabelstik
plug

- 2 kabelstik plug 2DD100 P
- 200 kontakt pin 031-9540-000
- 2 kabelclamp DD24661
- 4 låseskruesæt male D 20420-15
- 2m kabel 2x50x0.14 mm²

2m Ø20 kabelstrømpe „Filotex“ Tubular Braid 0386-12-003
(ender sammensmeltes m. loddekolbe)

I		II	I		II	I		II
1	⊗	1	43	⊗	43	69	⊗	69
2	⊗	2	42	⊗	42	70	⊗	70
3	.	3	41	.	41	71	.	71
4	.	4	40	.	40	72	.	72
5	.	5	39	.	39	73	.	73
6	.	6	38	.	38	74	.	74
7	.	7	37	.	37	75	.	75
8	.	8	36	.	36	100	.	100
9	.	9	35	.	35	99	.	99
10	.	10	34	.	34	98	.	98
11	.	11	33	.	33	97	.	97
12	.	12	32	.	32	96	.	96
13	.	13	31	.	31	95	.	95
14	.	14	30	.	30	94	.	94
15	.	15	29	.	29	93	.	93
16	.	16	28	.	28	92	.	92
17	.	17	27	.	27	91	.	91
18	.	18	52	.	52	90	.	90
19	.	19	53	.	53	89	.	89
20	.	20	54	.	54	88	.	88
21	.	21	55	.	55	87	.	87
22	.	22	56	.	56	86	.	86
23	.	23	57	.	57	85	.	85
24	.	24	58	.	58	84	.	84
25	.	25	59	.	59	83	.	83
26	.	26	60	.	60	82	.	82
51	.	51	61	.	61	81	.	81
50	.	50	62	.	62	80	.	80
49	.	49	63	.	63	79	.	79
48	.	48	64	.	64	78	.	78
47	.	47	65	.	65	77	⊗	77
46	.	46	66	.	66	76	⊗	76
45	.	45	67	⊗	67			
44	.	44	68	⊗	68			

261173

77.11.10 NT

R 21137

RC3600 , 6000 , 7000 OPERATING GUIDES

The operating guide should be found as a separate item in the documentation package.

The operating guides for the peripherals should also be found in the device manual - section 2.

Dwg. no. R21125

Reference to operating guide
770913 OS

RC3600 INSTALLATION MANUAL

The RC3600 Installation manual should be found as a separate item in the Documentation Package.

Dwg. no. R21124

Reference to RC3600 Installation manual.
770913 OS

LIST OF IMPLEMENTED FCO's AND ECN's

FCO or ECN No.	Name of FCO or ECN	Date of Implemen- tation	Signature

HWZ

FIELD CHANGE ORDER



NO: 11-032
ISSUE WEEK 48-78

FORM 44 - RT 1634

MANDATORY <input checked="" type="checkbox"/>	RETROFIT ON FAILURE <input type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1	OF 2
RE: ECN NO:	11-032

SERIAL EFFECTIVITY
POW 728/58 and upwards.

EQUIPMENT AFFECTED
RC3600/6000/7000/8000
POW728
Master Power Supply Electronics

NOTE POW728 is used in the chassis CHS705, 706, 707, 708, 709, 710, 711, 713, 714, 803, 804, and 805.

REASON FOR CHANGE
To eliminate undesired output voltage-dependency of the number of POW716 installed with the POW 728.

DESCRIPTION OF CHANGE

1. Replace a 100 ohms resistor by a jumper, as shown on page 2.
2. Install POW728 and remove all load (all boards).
3. Adjust the POW716 one by one to 5.00 Volts.
4. Reinstall all boards, power modules and the cover. Check that the voltage is within 4.9 to 5.1.
5. Code the FCO-label 11-032.

ADDITIONAL COMMENTS

QTY:	PARTS REQUIRED	RC -P/N
5 cm	Wire	

DOCUMENTATION ENCLOSED
Provisional logic diagram
(1 page)

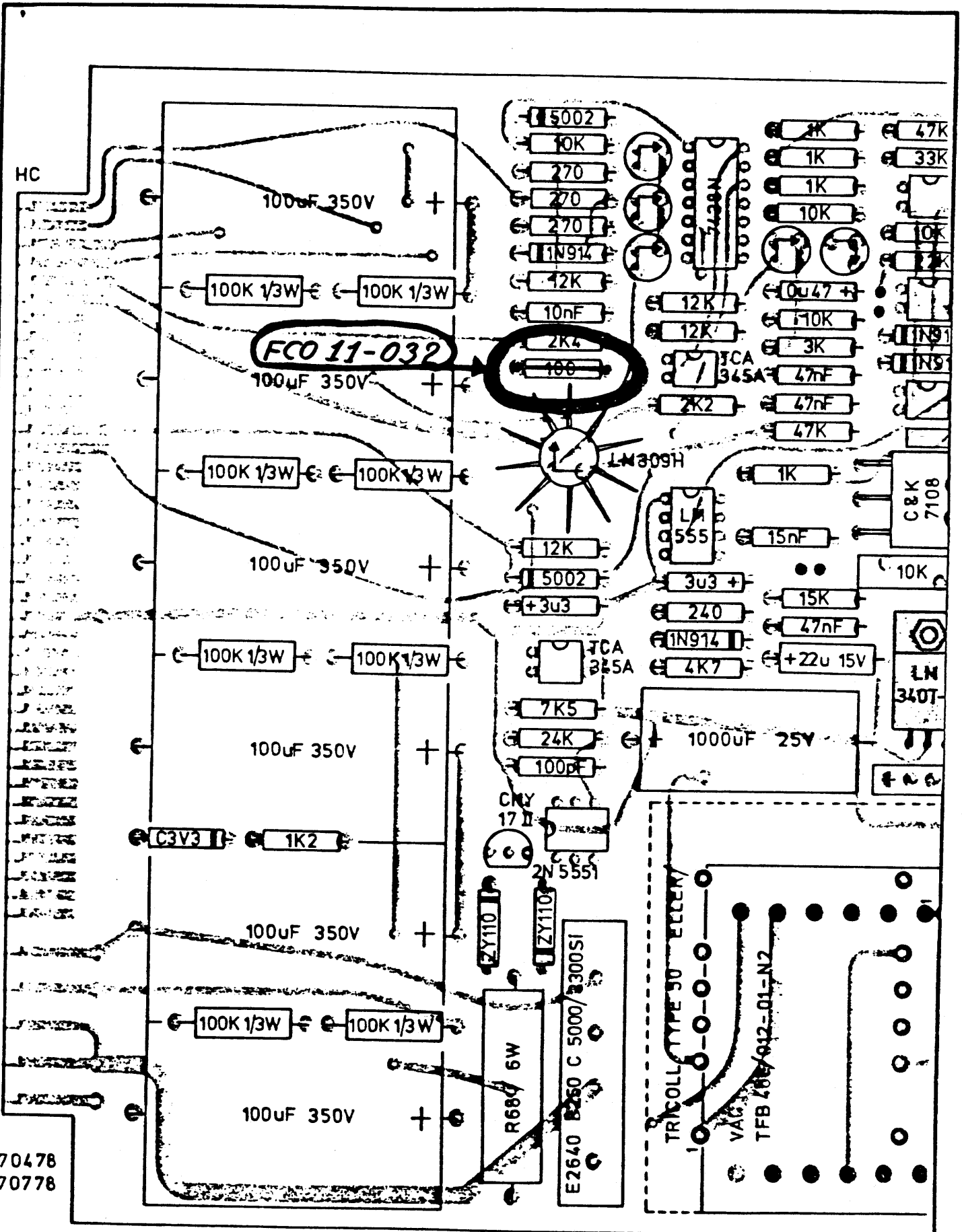
FITS FREE OF CHARGE FROM ISS:	YES <input type="checkbox"/>	NO <input type="checkbox"/>
PETUPN CHANGED PARTS TO ISS:	YES <input type="checkbox"/>	NO <input type="checkbox"/>

ESTIMATED INSTALLATION TIME: 15 minutes

PROJECT ENGINEER		DEVELOPMENT MANAGER		SYS. PRODUCTION MANAGER		TECH. SERVICE MANAGER	
SIGN.	DATE	SIGN.	DATE	SIGN.	DATE	SIGN.	DATE
		<i>[Signature]</i>	2/11/78	<i>[Signature]</i>		<i>[Signature]</i>	



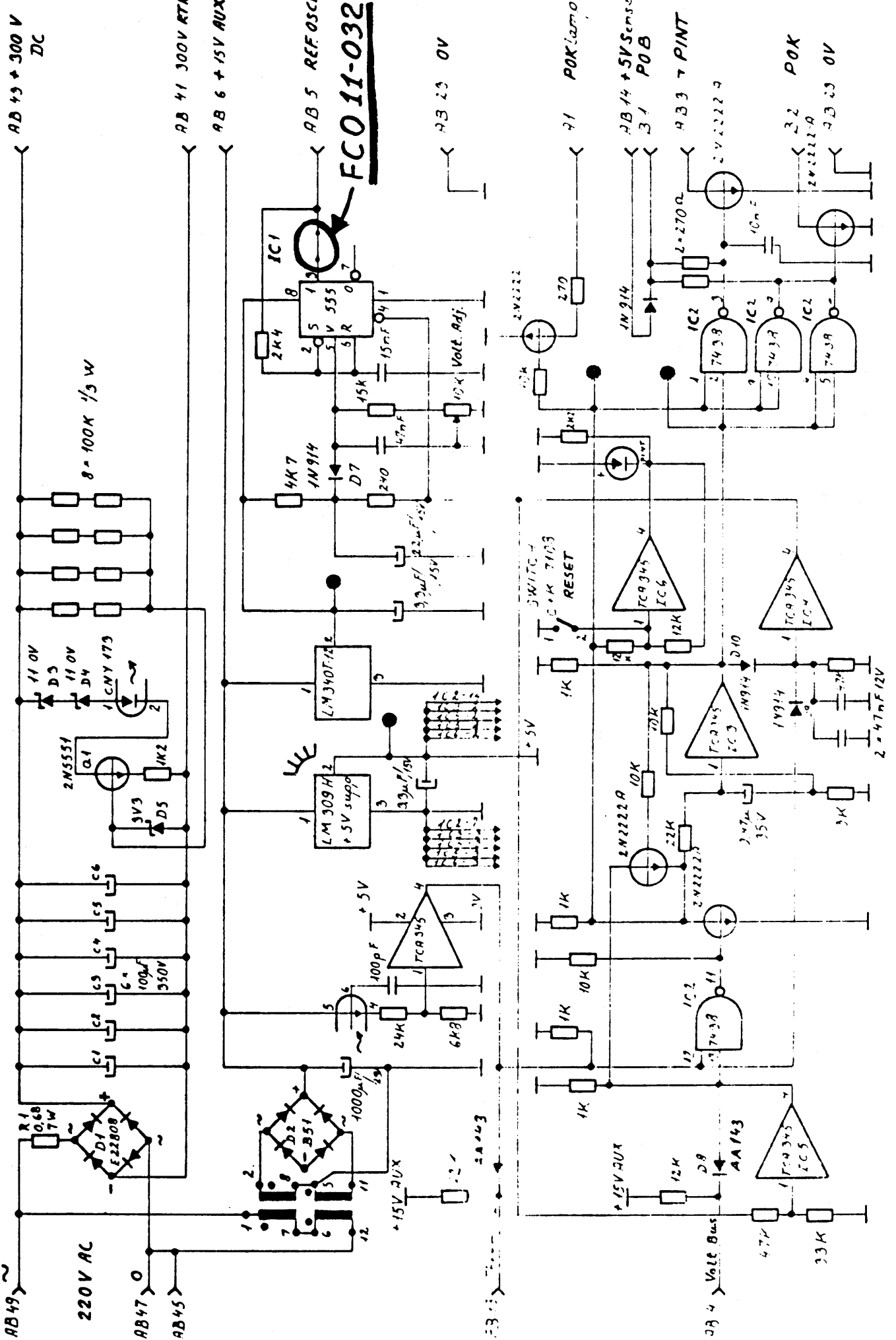
FIELD CHANGE ORDER



170478
170778

PKA

POW 728
S 12567



CONTROL MODULE
POW 728

11-038

FIELD CHANGE ORDER



NO: 11-038
ISSUE WEEK 14-79

RCSL: 44 - RT 1634

MANDATORY	<input type="checkbox"/>	RETROFIT ON FAILURE	<input checked="" type="checkbox"/>
WARRANTY	<input checked="" type="checkbox"/>	NON WARRANTY	<input type="checkbox"/>

PAGE	1	OF	2
RE: FCN NO:	11-038		

SERIAL EFFECTIVITY Units shipped after the 1st. April 1979.	EQUIPMENT AFFECTED RC3600/6000/8000 POW728 Master Power Supply Electronics
NOTE	

REASON FOR CHANGE

On some POW728's, the Voltage Adjustment Range does not cover the nominal +5% marginal of the Reference Clock (5.25 Volts DC).

DESCRIPTION OF CHANGE

1. Replace the 10 Kohms Voltage Adjustment Potentiometer with a 20 Kohms Potentiometer (see page 2).
2. Replace the 15 Kohms resistor, serial-connected to the Voltage Adjustment Potentiometer, with a 13 Kohms resistor (see page 2).
3. Code the FCO-label 11-038.

ADDITIONAL COMMENTS

QTY:	PARTS REQUIRED	RC -P/N
1	Bourns 3007P-1-203	3-7509
1	13 Kohms, 5%, 1/8 Watt	1-0707

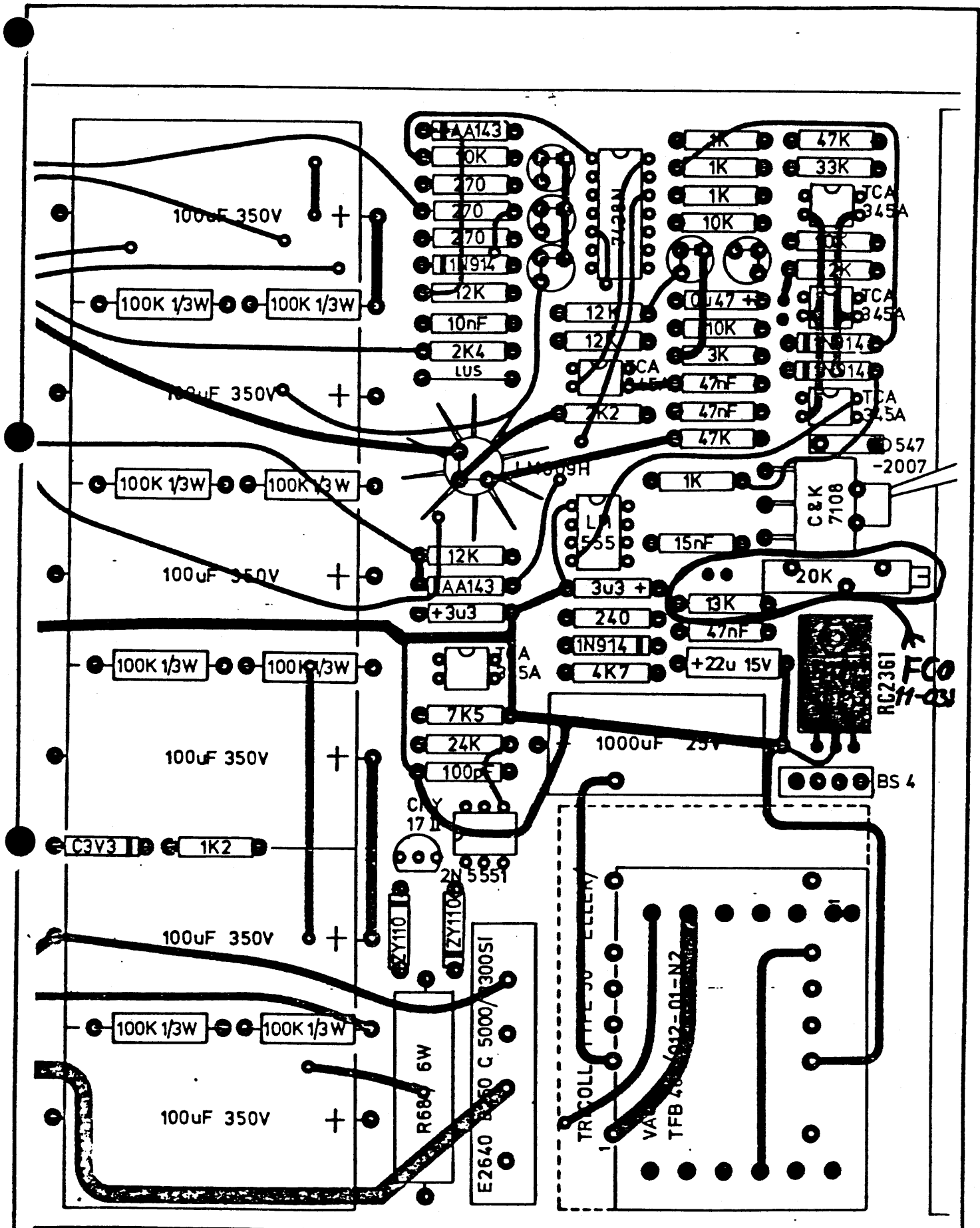
DOCUMENTATION ENCLOSED

Provisional Logic Diagram for POW728 (1 page).

KITS FREE OF CHARGE FROM ISS:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
RETURN CHANGED PARTS TO ISS:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

ESTIMATED INSTALLATION TIME: 1 hour

PROJECT ENGINEER		DEVELOPMENT MANAGER		SYS. PRODUCTION MANAGER		TECH. SERVICE MANAGER	
SIGN.	DATE	SIGN.	DATE	SIGN.	DATE	SIGN.	DATE
<i>Handwritten</i>	27/12/79	<i>Handwritten</i>	27/12/79	<i>Handwritten</i>	27/12/79	<i>Handwritten</i>	27/12/79



POW 728

PKA

AD 49 + 300 V DC

AB 41 300V RTM.
AB 6 + 15V AUX.

AB 5 REF.OSCL

FCO 11-038

AB 23 0V

A1 POK Lamp

AB 14 + 5V Sense
B 1 POB

AB 3 + PINT

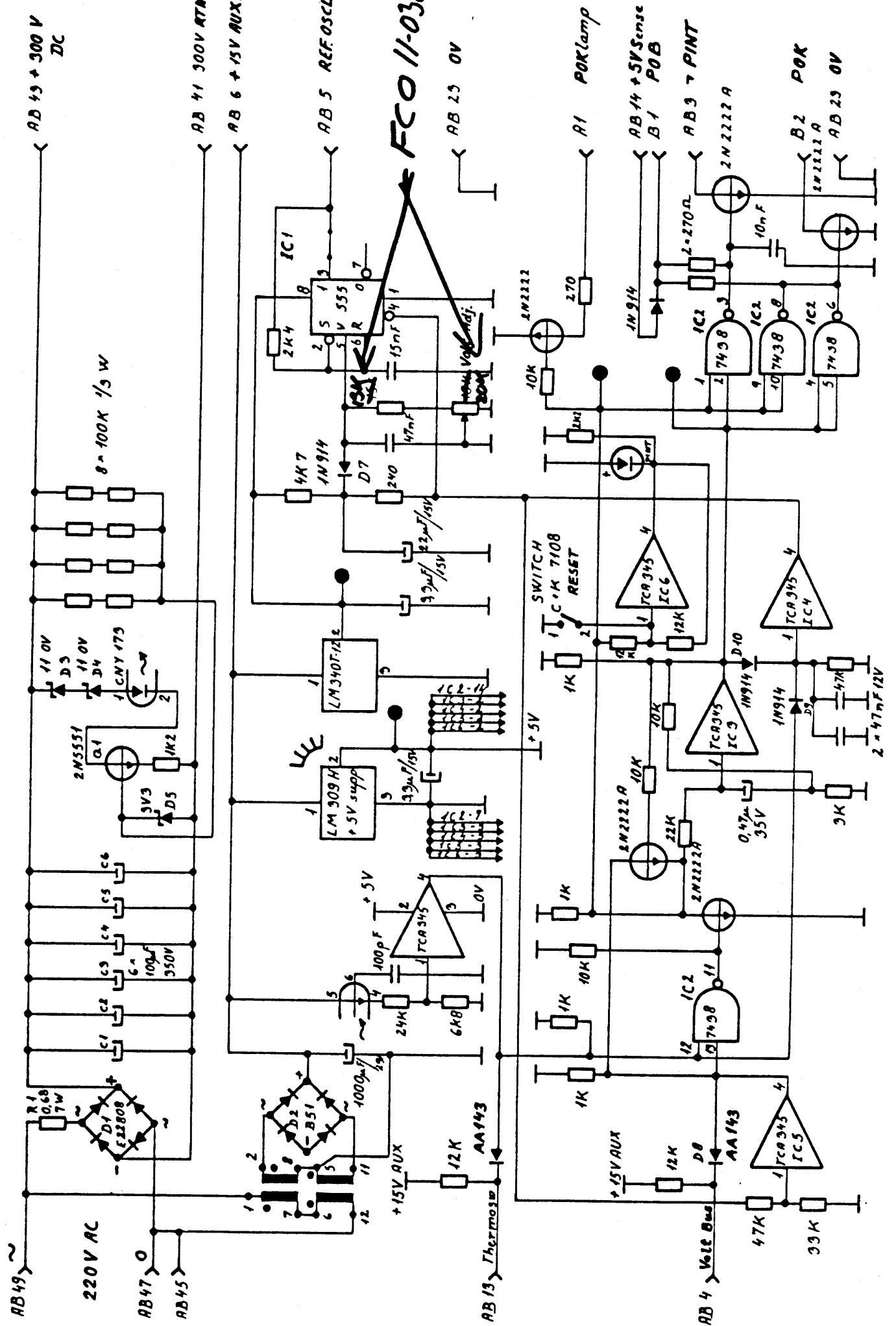
B 2 POK
AB 23 0V

POW 728

R 12 567

CONTROL MODULE

POW 728





ENGINEERING CHANGE NOTE

NO.	11-039
PAGE	1 OF 2

RCSL: 44-RT 1195

HRV

MANUFACTURING EFFECTUATION	EQUIPMENT AFFECTED RC 3600/6000/7000/8000 POW 728 Master Power Supply Electronics
NOTE POW 728 is used in the chassis CHS 705, 706, 707, 708, 709, 710, 711, 713, 714, 803, 804 and 805.	

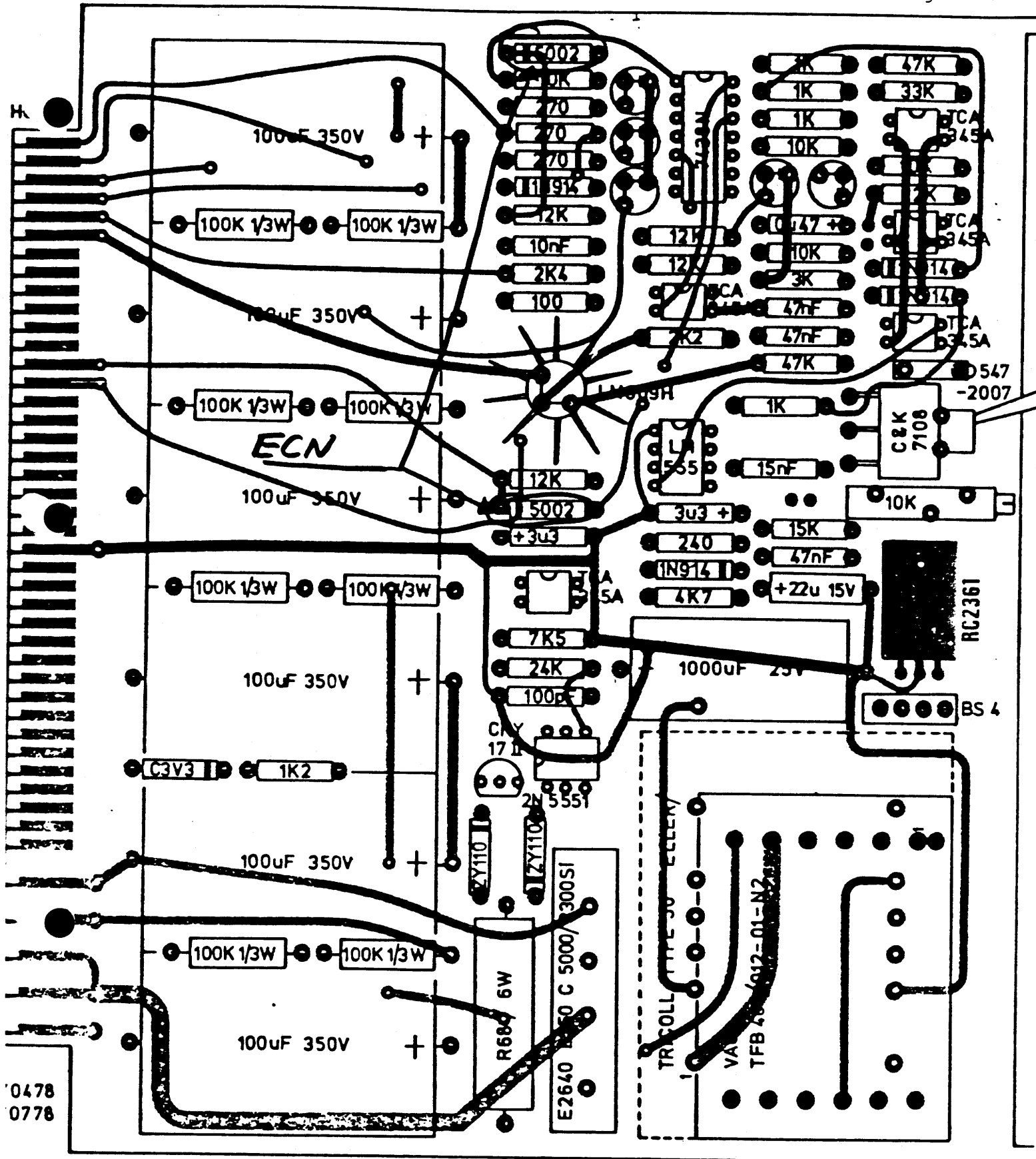
<p>SCOPE</p> <p>Originally in the POW 728, two diodes, type HG5002 were used. These diodes are no longer produced, they are now replaced with a new diode, type AA143.</p>
--

CONT'D

ADDITIONAL COMMENTS

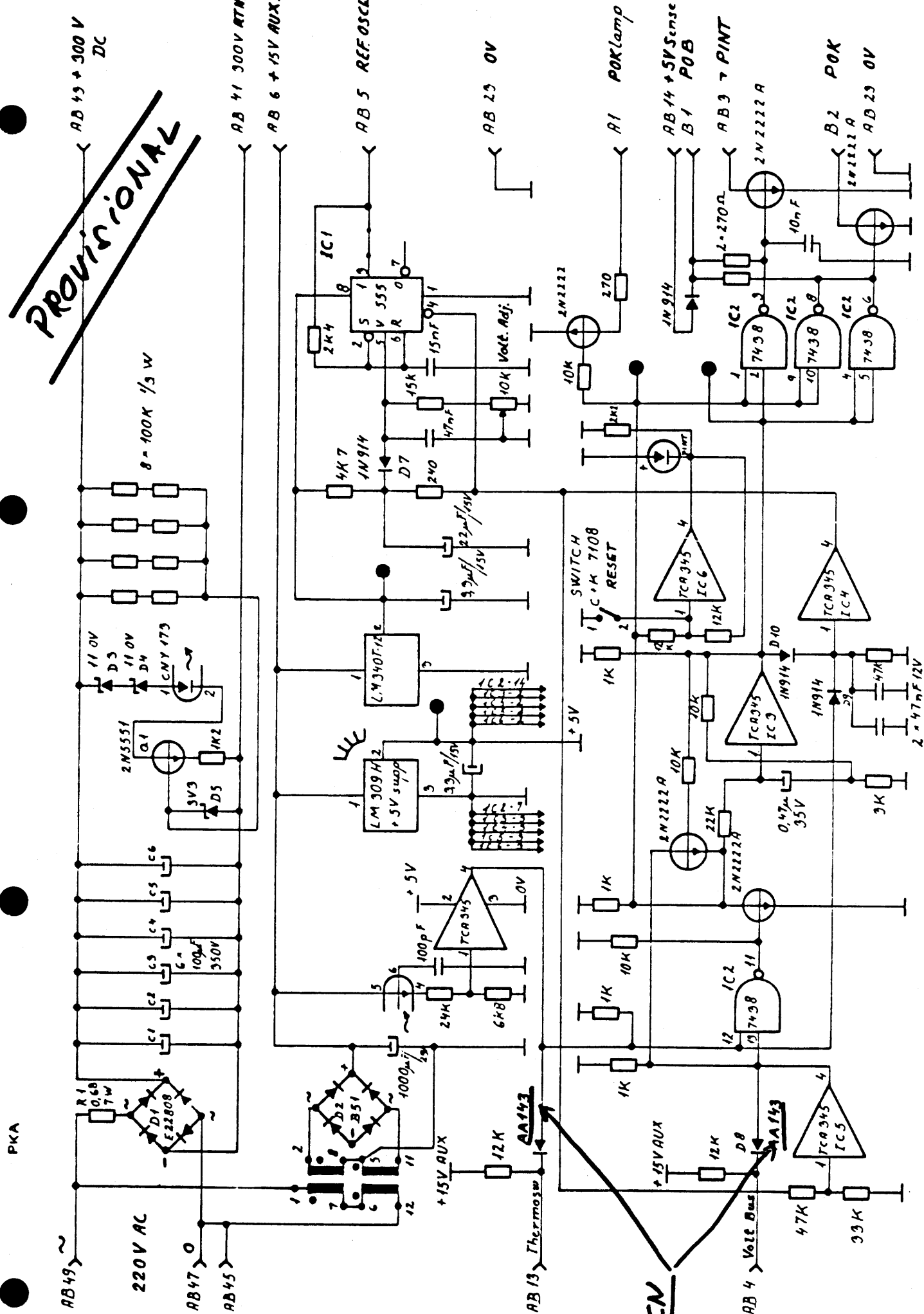
QTY	PARTS REQUIRED	RC - P/N	DOCUMENTATION ENCLOSED
	None		Provisional Logic Diagram

DATE 01.03.79	SIGN. <i>Harvey Finn</i>
---------------	--------------------------



TRANSISTORE : 2N2222A.
 KØLEFINNE : NF 207.
 ●● : WIRE WRAP PINS.

PROVISIONAL



POW 728

R 12 567

CONTROL MODULE

POW 728

ECN

FIELD CHANGE ORDER



NO. 11-040
ISSUE WEEK 15-79

RCSI: 44 - RT 1634

MANDATORY <input checked="" type="checkbox"/>	RETROFIT ON FAILURE <input type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1 OF 2
RF: ECN NO:

<p>SEMIAL EFFECTIVITY</p> <p>Units shipped later than the 15th. of April 1979.</p>	<p>EQUIPMENT AFFECTED</p> <p>RC 3600/RC6000/RC8000</p> <p>POW 728</p> <p>Master Power Supply Electronics</p>
NOTE	

REASON FOR CHANGE

On some POW 728 it is possible to reset the Power Interrupt Indicator LED even if the >PINT signal is active.

DESCRIPTION OF CHANGE

Remove the 2K2 (2.2 Kohms) resistor parallel connected to the LED.

ADDITIONAL COMMENTS

The failure has no effect on the electrical function of the module, but concerns only the diagnostic power interrupt indicator.

QTY:	PARTS REQUIRED	RC -P/N
	None	

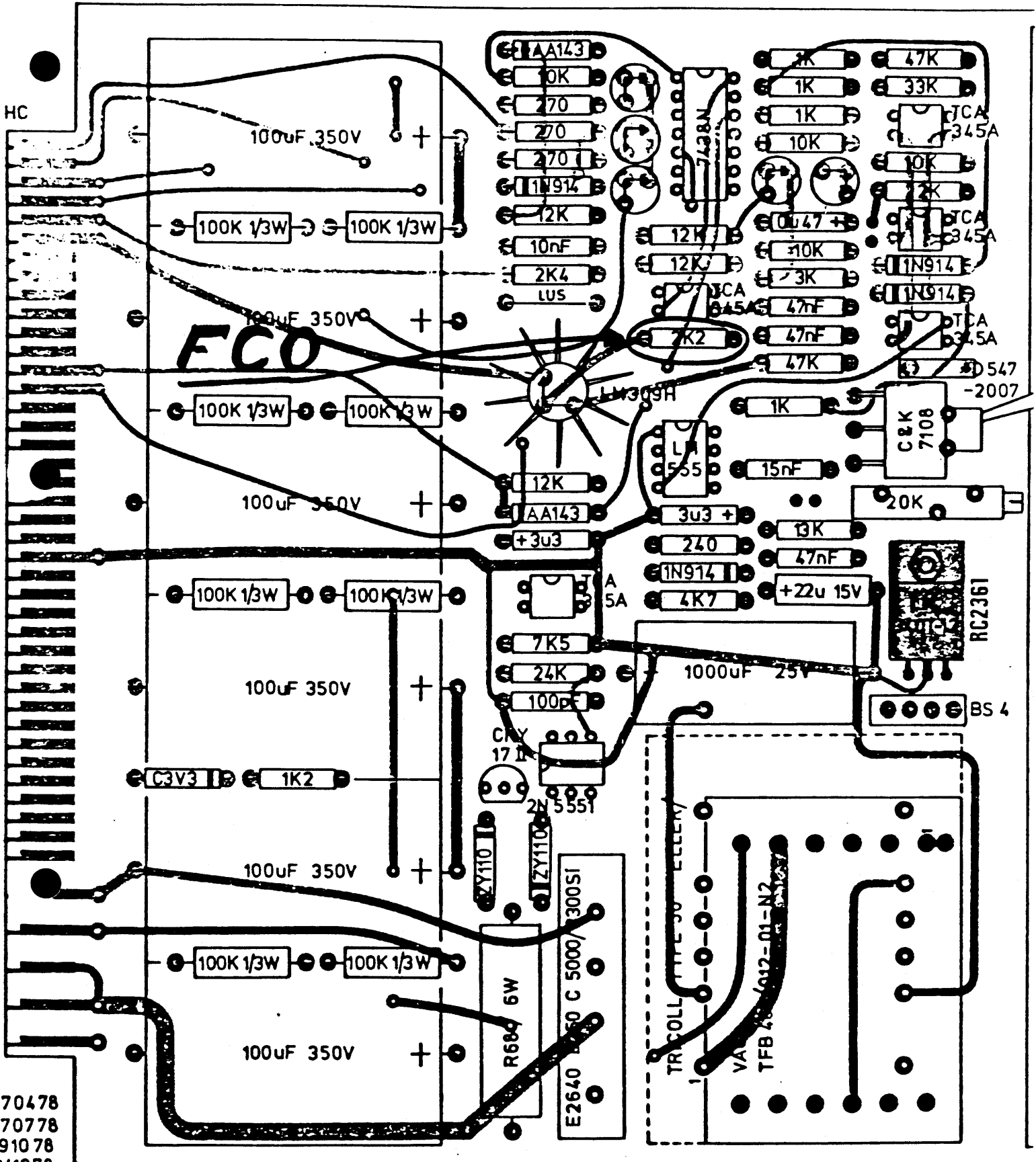
DOCUMENTATION ENCLOSED

Provisional logic diagram for POW 728 (1 page)

FITS FREE OF CHARGE FROM ISS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
RETURNS CHANGED PARTS TO ISS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

ESTIMATED INSTALLATION TIME: 15 mins.

PROJECT ENGINEER	DEVELOPMENT MANAGER	SYS. PRODUCTION MANAGER	TECH. SERVICE MANAGER
SIGN: <i>Walter...</i>	SIGN: <i>...</i>	SIGN: <i>...</i>	SIGN: <i>Alba...</i>
DATE: 29/3/79	DATE: 30/3/79	DATE: 6/4/79	DATE: 6/4/79



TRANSISTORE : 2N2222A.
 KØLEFINNE : NF 207.
 ●● : WIRE WRAP PINS.

170478
 170778
 191078
 241078
 790213

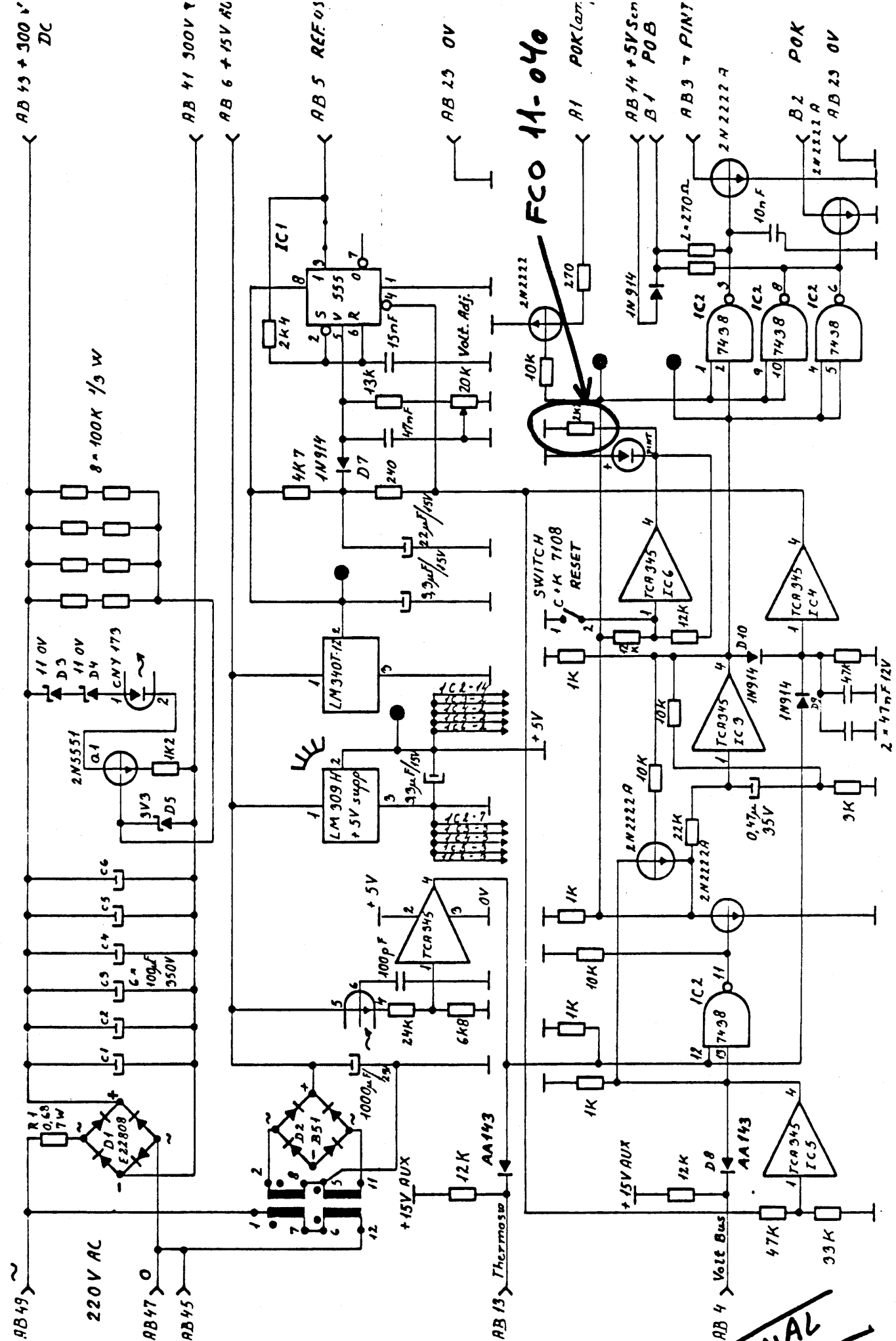
KF 790212

R12567

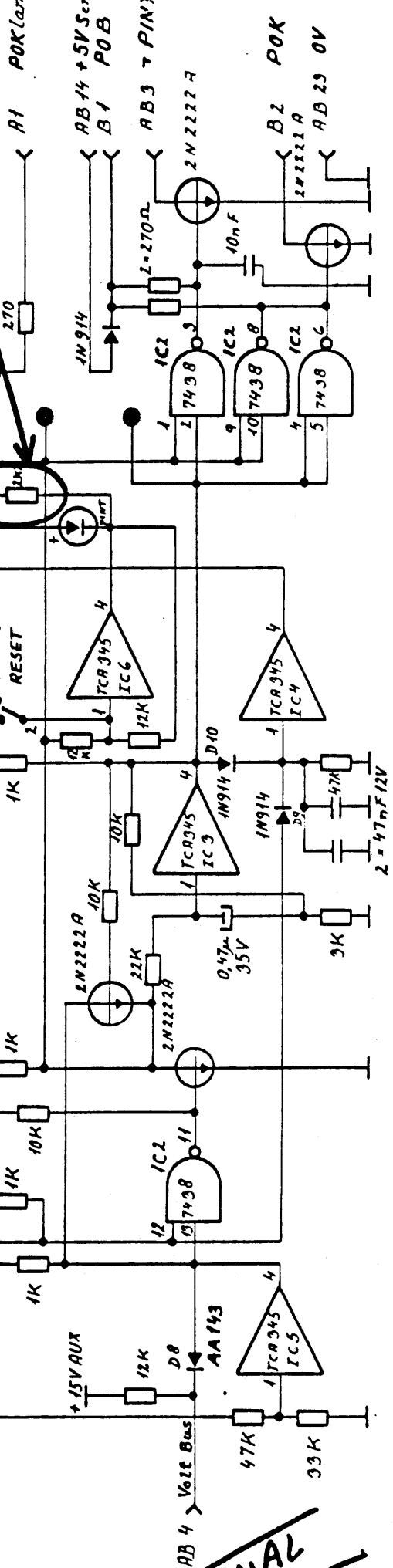
POW 728
R12556

CONTROL MODULE
POW 728

PROVISIONAL



FCO 11-040



FIELD CHANGE ORDER



NO: 11-042
ISSUE WEEK 20-79

RCSL: 44 - RT 1634

MANDATORY	<input checked="" type="checkbox"/>	RETROFIT ON FAILURE	<input type="checkbox"/>
WARRANTY	<input checked="" type="checkbox"/>	NON WARRANTY	<input type="checkbox"/>

PAGE	1	OF	2
RE: ECN NO:	11-042		

SERIAL EFFECTIVITY	EQUIPMENT AFFECTED
POW 728 delivered after 1.5.79.	RC 3600/6000/8000 POW 728 Master Power Supply Electronics
NOTE	

REASON FOR CHANGE

High voltage test of the POW 728 have shown that FLASH-OVER may occur from the main supply to the system ground at 2 Kvolts.

DESCRIPTION OF CHANGE

1. Remove the 100uF/350V capacitor which covers the 100 Kohms, 1/3W, resistor shown on page 2.
2. Remove the resistor.
3. Install a new 100 Kohms, 1/3W, resistor lifted from the printed circuit board by using two ceramic beads.
4. Reinstall the capacitor
5. Code the FCO-Label 11-042.

ADDITIONAL COMMENTS

QTY:	PARTS REQUIRED	RC -P/N
1	100 Kohms, 1/3W Resistor	1-6002
2	Ceramic Beads	1-4908

DOCUMENTATION ENCLOSED

None.

KITS FREE OF CHARGE FROM ISS: YES NO

RETURN CHANGED PARTS TO ISS: YES NO

ESTIMATED INSTALLATION TIME: 30 mins.

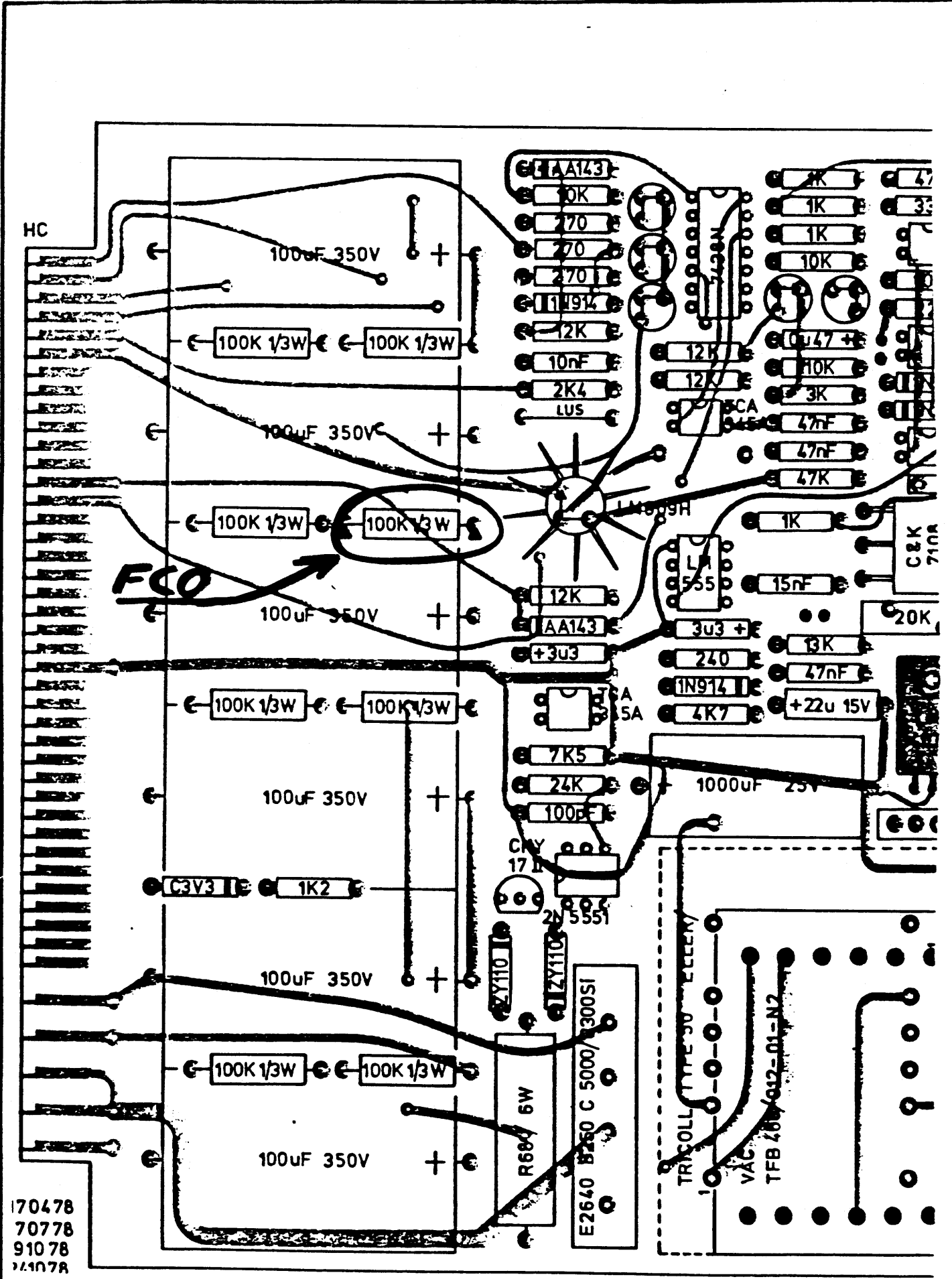
PROJECT ENGINEER		DEVELOPMENT MANAGER		SYS. PRODUCTION MANAGER		TECH. SERVICE MANAGER	
SIGN.	DATE	SIGN.	DATE	SIGN.	DATE	SIGN.	DATE
<i>Mark Fin</i>	4/5-79	<i>Ch. O'Neil</i>	4/5-79	<i>B. O'Neil</i>	4/5-79	<i>S. O'Neil</i>	4/5-79



FIELD CHANGE ORDER

NO. 11-042

PAGE 2 OF 2



170478
 70778
 91078
 141078

CSL: 44 - RT 1911

MANDATORY <input type="checkbox"/>	RETROFIT ON FAILURE <input checked="" type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1	OF 3
RE: ECN NO: 11-049	

SERIAL EFFECTIVITY CPU 720/ 31, 35 and upwards.	EQUIPMENT AFFECTED RC 3600 RC 3803 / CPU 720 Central Processing Unit.
NOTE	

REASON FOR CHANGE
On the units with the serial numbers mentioned, the wire carrying the signal ENABLE STEP has been placed in noisy environments. If so, you might experience that the CPU cannot run except with the Technicians Panel (TCP) connected and enabled.

DESCRIPTION OF CHANGE
The solution to the problem is to relocate the wire (36 - 4) - (26 - 8) - (87 - 5).
1. Remove the wire (36 - 4) - (26 - 8) - (87 - 5). (see page 2)
2. Insert the wire (36 - 4) - (26 - 8) - (87 - 5) as shown on page 3.
3. Code the FCO-label 11-049.

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-0149
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
0.5m	Mini wrap wire	4-4910

DOCUMENTATION ENCLOSED
None

ESTIMATED INSTALLATION TIME: 0,5 hour.

PROJECT ENGINEER SIGN. <i>Hester Fri</i> DATE <i>1/5-80</i>	DEVELOPMENT MANAGER SIGN. DATE	SYS. PRODUCTION MANAGER SIGN. <i>Ally</i> DATE <i>15/5-80</i>	TECH. SERVICE MANAGER SIGN. <i>Ally</i> DATE <i>22/5-80</i>
--	-----------------------------------	--	--

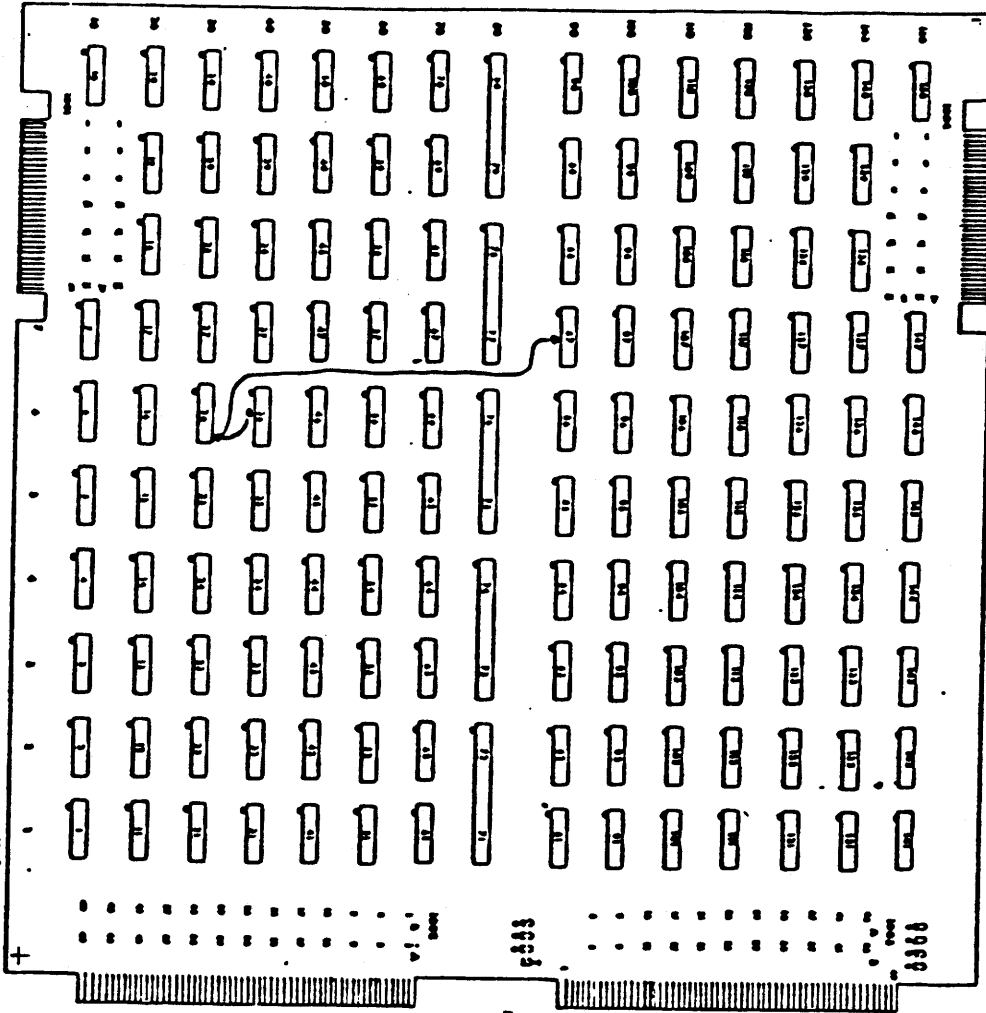


FIELD CHANGE ORDER

NO. 13-049

PAGE 2 OF 3

Remove wire (36 - 4) - (26 - 8) - (87 - 5)

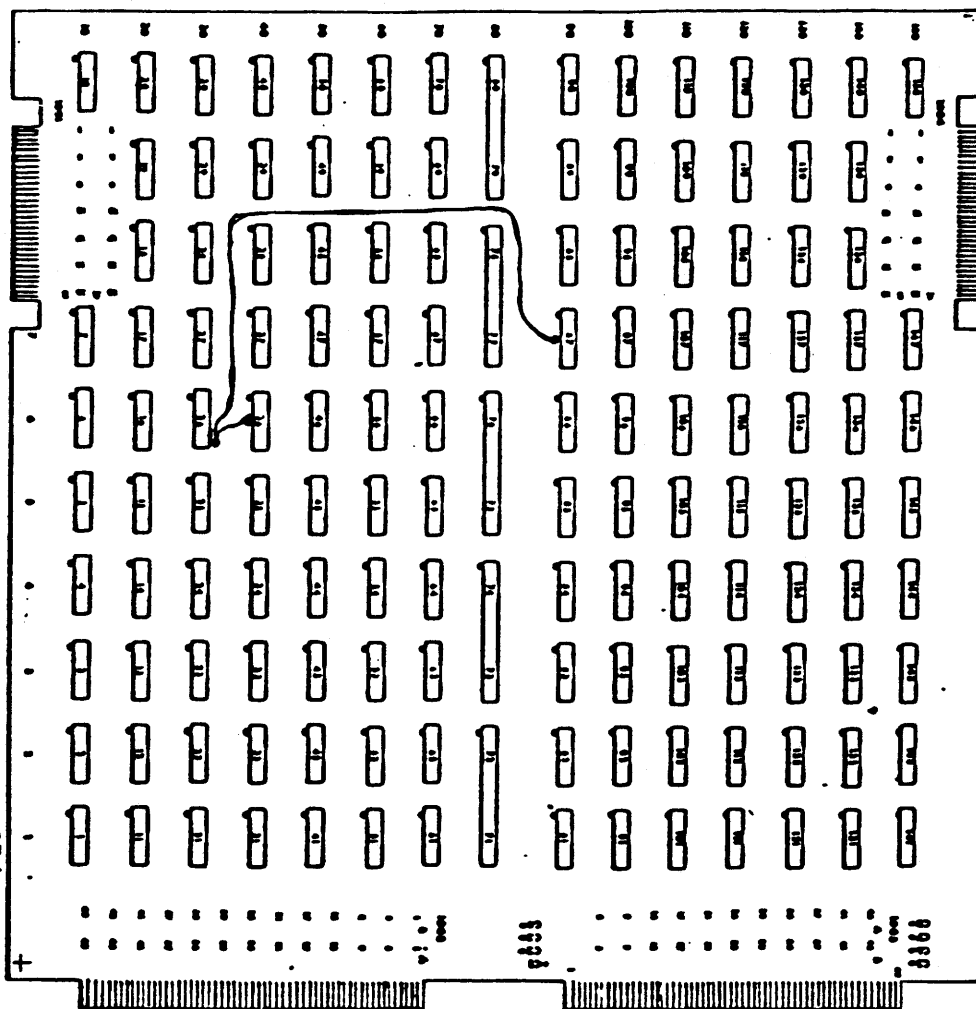




FIELD CHANGE ORDER

Insert wire (36 - 4) - (26 - 8) - (87 - 5)

ATTENTION : The drawn path MUST be followed.



RCSL: 44 - RT 1911

MANDATORY <input type="checkbox"/>	RETROFIT ON FAILURE <input checked="" type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1	OF 1
RE: ECN NO:	11-050

SERIAL EFFECTIVITY
CPU 720 31, 35 and upwards.

EQUIPMENT AFFECTED
RC 3600
RC 3803 / CPU 720.
Central Processing Unit.

NOTE

REASON FOR CHANGE
During memory write operations, the gating of the write data to the memory databus induces noise on the address bus. The effect of this FCO is to delay the "Memory Start" signal, insuring that the memory address is stable before issuing the start signal.

DESCRIPTION OF CHANGE
Change the KT-574 circuit in pos. 32 to KT-243:
1. Replace the 330 pF capacitor at location 32 by a 1 nF capacitor.
2. Code the FCO-label 11-050.

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-0150
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
---------------------	---	-----------------------------

THE FCO-KIT INCLUDES:

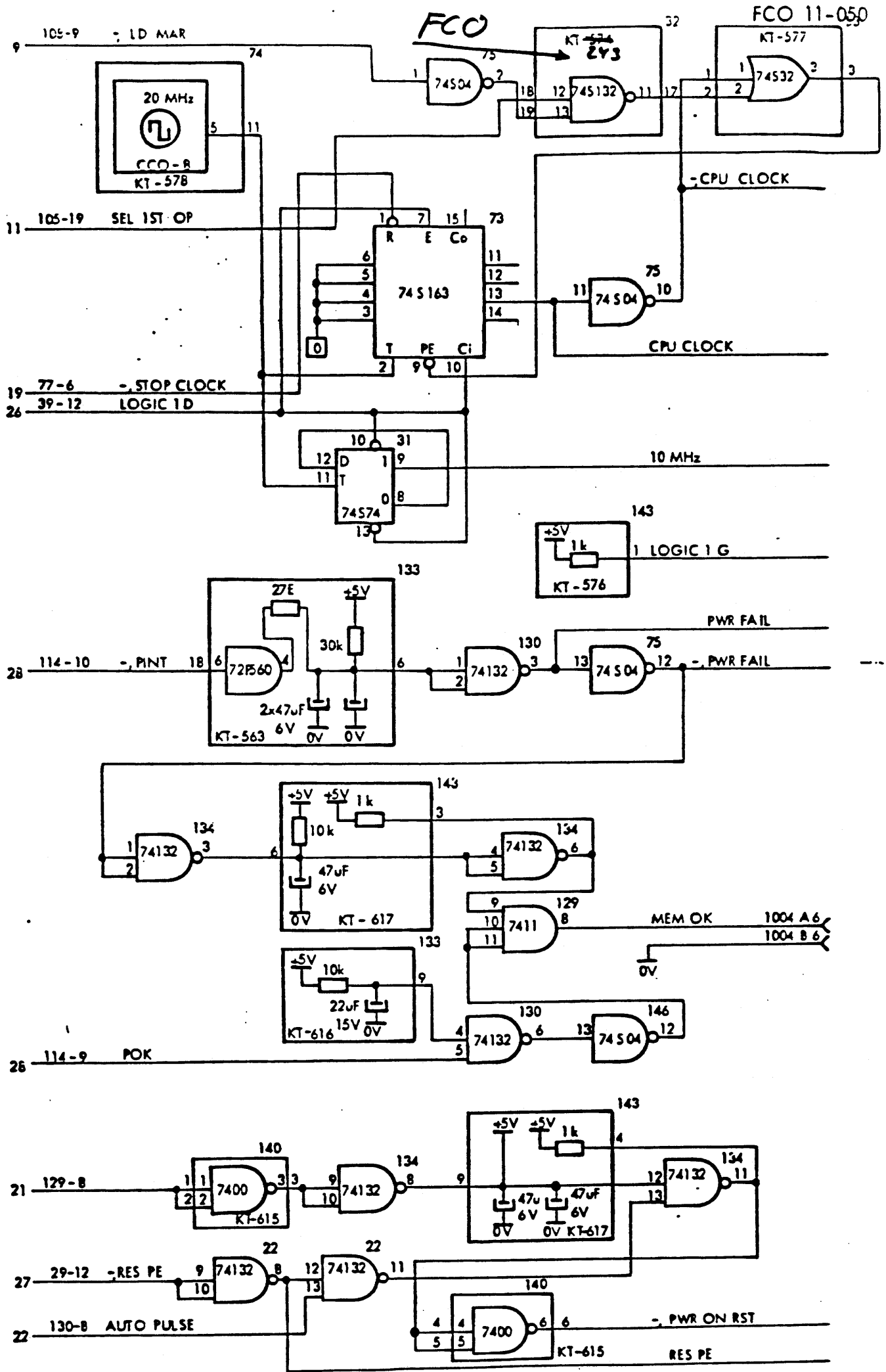
QTY	DESCRIPTION	RC P/N
1	1 nF capacitor	1-1303

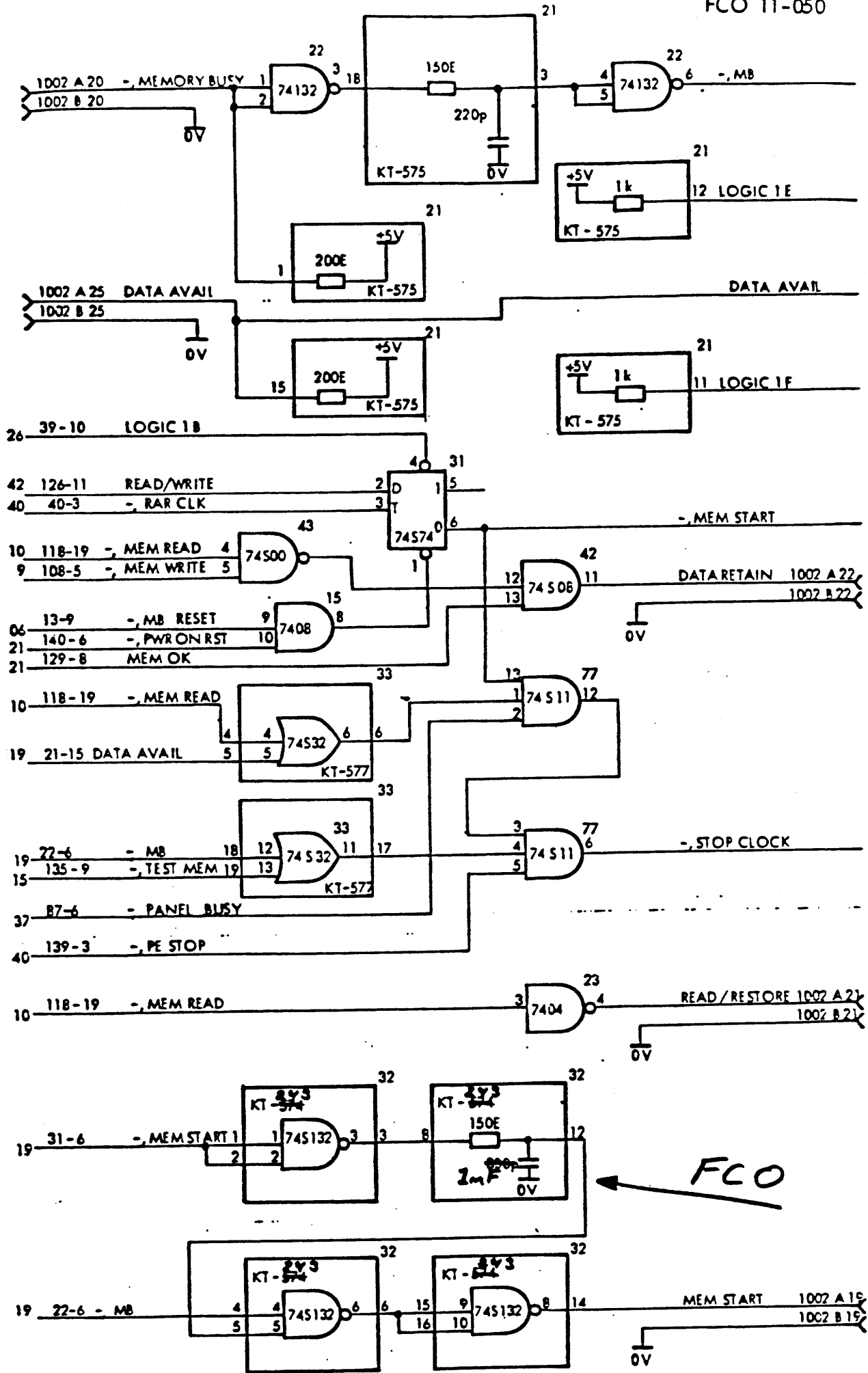
DOCUMENTATION ENCLOSED

New pages 019 and 021 in the Technical Manual for CPU 720.

ESTIMATED INSTALLATION TIME: 0.5 hour.

PROJECT ENGINEER SIGN. <i>Henrik Friis</i>	DATE <i>6/6-80</i>	DEVELOPMENT MANAGER SIGN.	DATE	SYS. PRODUCTION MANAGER SIGN. <i>Eller</i>	DATE <i>4/6-80</i>	TECH. SERVICE MANAGER SIGN. <i>Eller</i>	DATE <i>6/6-80</i>
---	--------------------	------------------------------	------	---	--------------------	---	--------------------





FCO

790131 ABP
790131 BJ 790131 ABP

RCSL: 44 - RT 1911

MANDATORY	<input checked="" type="checkbox"/>	RETROFIT ON FAILURE	<input type="checkbox"/>
WARRANTY	<input checked="" type="checkbox"/>	NON WARRANTY	<input type="checkbox"/>

PAGE	1	OF	2
RE: ECN NO:	11 - 061		

SERIAL EFFECTIVITY POW 729 delivered after 80.12.01.	EQUIPMENT AFFECTED RC 3600 / 8000 POW 729 Power Supply.
---	--

NOTE

REASON FOR CHANGE

The RMS value of the ripple current to which the capacitor C 1 is exposed, exceeds the absolute maximum rating. As a result, the capacitor is overheated and the life-time is decreased.

DESCRIPTION OF CHANGE

1. Unsolder the positive terminal lead of the capacitor C 2 from the print.
2. Increase the diameter of the hole using a 2.5 mm drill.
3. Mount the capacitor C 2 according to the illustration, see page 2.
4. Code the FCO-Label

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-0161
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
7.5 cm	0.7 mm Φ unisolated wire	
2.5 cm	1 mm Φ teflon flex	

DOCUMENTATION ENCLOSED

Provisional Control Section Circuit Diagram.

ESTIMATED INSTALLATION TIME: 0.5 hour.

PROJECT ENGINEER SIGN. <i>Hakini</i> DATE 29/11/80	DEVELOPMENT MANAGER SIGN. <i>U. Jensen</i> DATE 25/11/80	SYS. PRODUCTION MANAGER SIGN. <i>[Signature]</i> DATE 29.11.80	TECH. SERVICE MANAGER SIGN. <i>[Signature]</i> DATE 26/11/80
---	---	---	---

RCSL: 44 - RT 1911

MANDATORY	<input checked="" type="checkbox"/>	RETROFIT ON FAILURE	<input type="checkbox"/>
WARRANTY	<input checked="" type="checkbox"/>	NON WARRANTY	<input type="checkbox"/>

PAGE	1	OF	2
RE: ECN NO:	11-062		

SERIAL EFFECTIVITY
POW 730 delivered after 80.12.01.

EQUIPMENT AFFECTED
RC 3600 / 8000
POW 730
Power Supply.

NOTE

REASON FOR CHANGE

The RMS value of the ripple current to which the capacitor C 1 is exposed, exceeds the absolute maximum rating. As a result, the capacitor is overheated and the life-time is decreased.

DESCRIPTION OF CHANGE

1. Unsolder the positive terminal lead of the capacitor C 2 from the print.
2. Increase the diameter of the hole using a 2.5 mm drill.
3. Mount the capacitor C 2 according to the illustration, see page 2.
4. Code the FCO-Label

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-0162
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

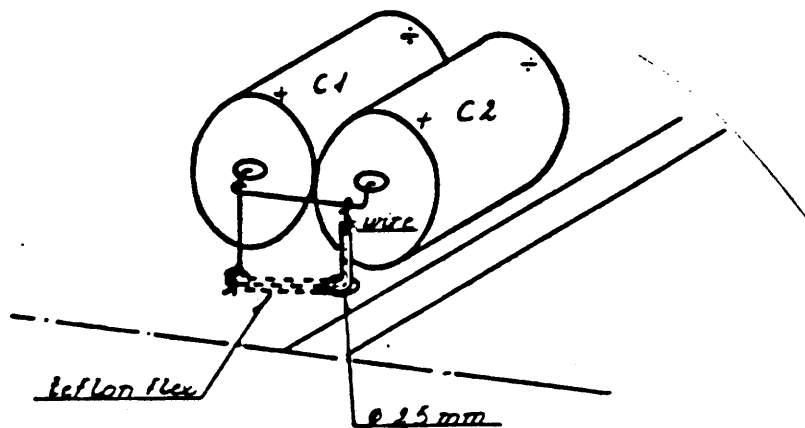
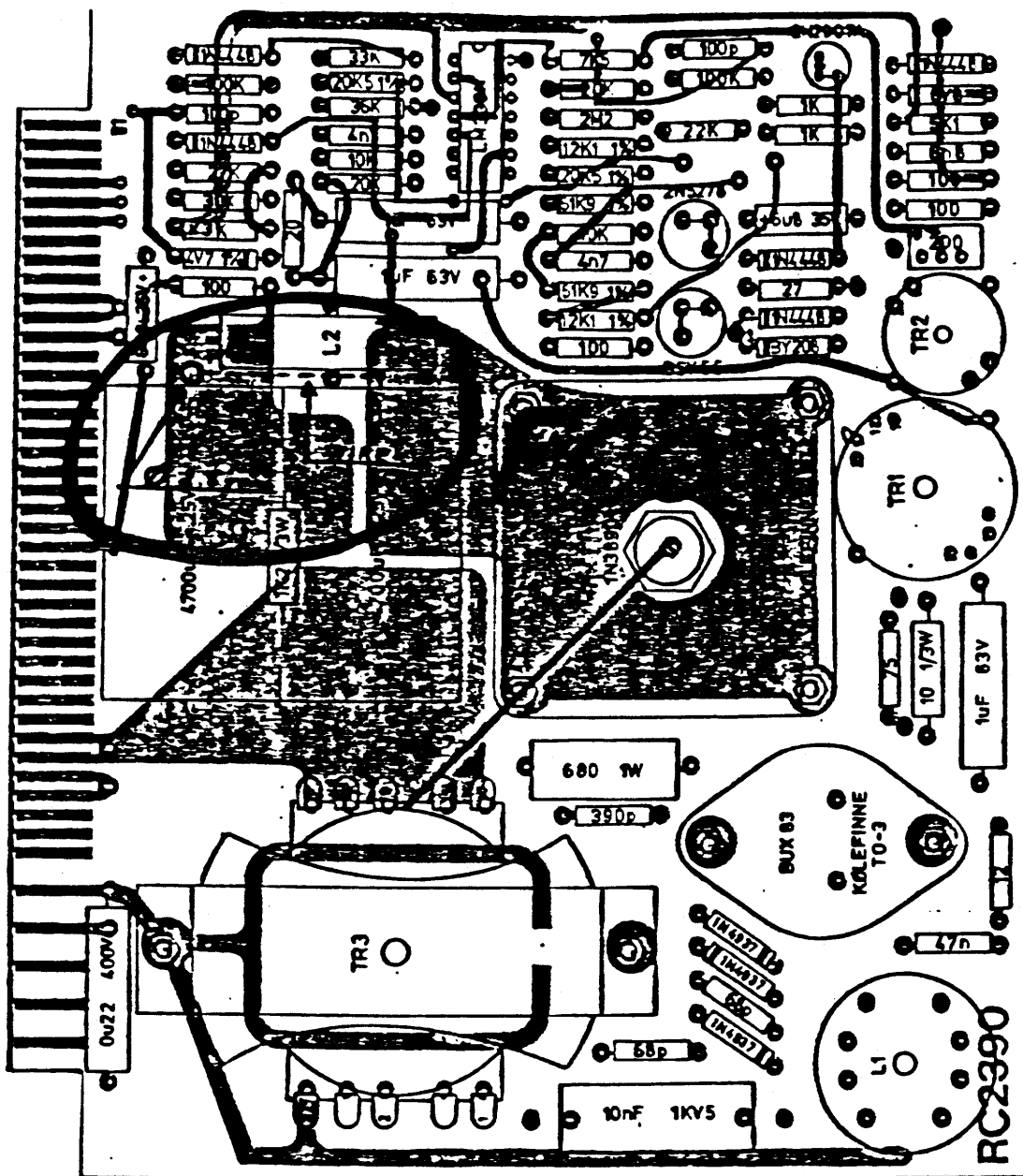
QTY	DESCRIPTION	RC P/N
7.5 cm	0.7 mm ϕ unisolated wire	
2.5 cm	1 mm ϕ teflon flex	

DOCUMENTATION ENCLOSED

Provisional Control Section Circuit Diagram.

ESTIMATED INSTALLATION TIME: 0.5 hour.

PROJECT ENGINEER	DEVELOPMENT MANAGER	SYS. PRODUCTION MANAGER	TECH. SERVICE MANAGER
SIGN. <i>Karlsson</i> DATE <i>29/11-80</i>	SIGN. <i>Wittmann</i> DATE <i>29/11-80</i>	SIGN. <i>[Signature]</i> DATE <i>29/11-80</i>	SIGN. <i>[Signature]</i> DATE <i>29/11-80</i>



RCSL: 44 - RT 1911

MANDATORY <input checked="" type="checkbox"/>	RETROFIT ON FAILURE <input type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1	OF 2
RE: ECN NO: 11-063	

SERIAL EFFECTIVITY POW 731 delivered after 80.12.01.	EQUIPMENT AFFECTED RC 3600 / 8000 POW 731 Power Supply.
---	--

NOTE

REASON FOR CHANGE

The RMS value of the ripple current to which the capacitor C 1 is exposed, exceeds the absolute maximum rating. As a result, the capacitor is overheated and the life-time is decreased.

DESCRIPTION OF CHANGE

1. Unsolder the positive terminal lead of the capacitor C 2 from the print.
2. Increase the diameter of the hole using a 2.5 mm drill.
3. Mount the capacitor C 2 according to the illustration, see page 2.
4. Code the FCO-Label

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK
UNDER RC-PARTNUMBER: 8-0163
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
7.5 cm	0.7 mm Φ unisolated wire	
2.5 cm	1 mm Φ teflon flex	

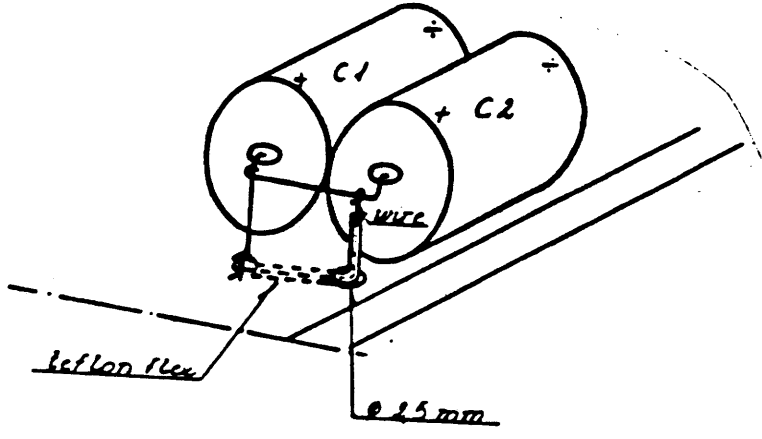
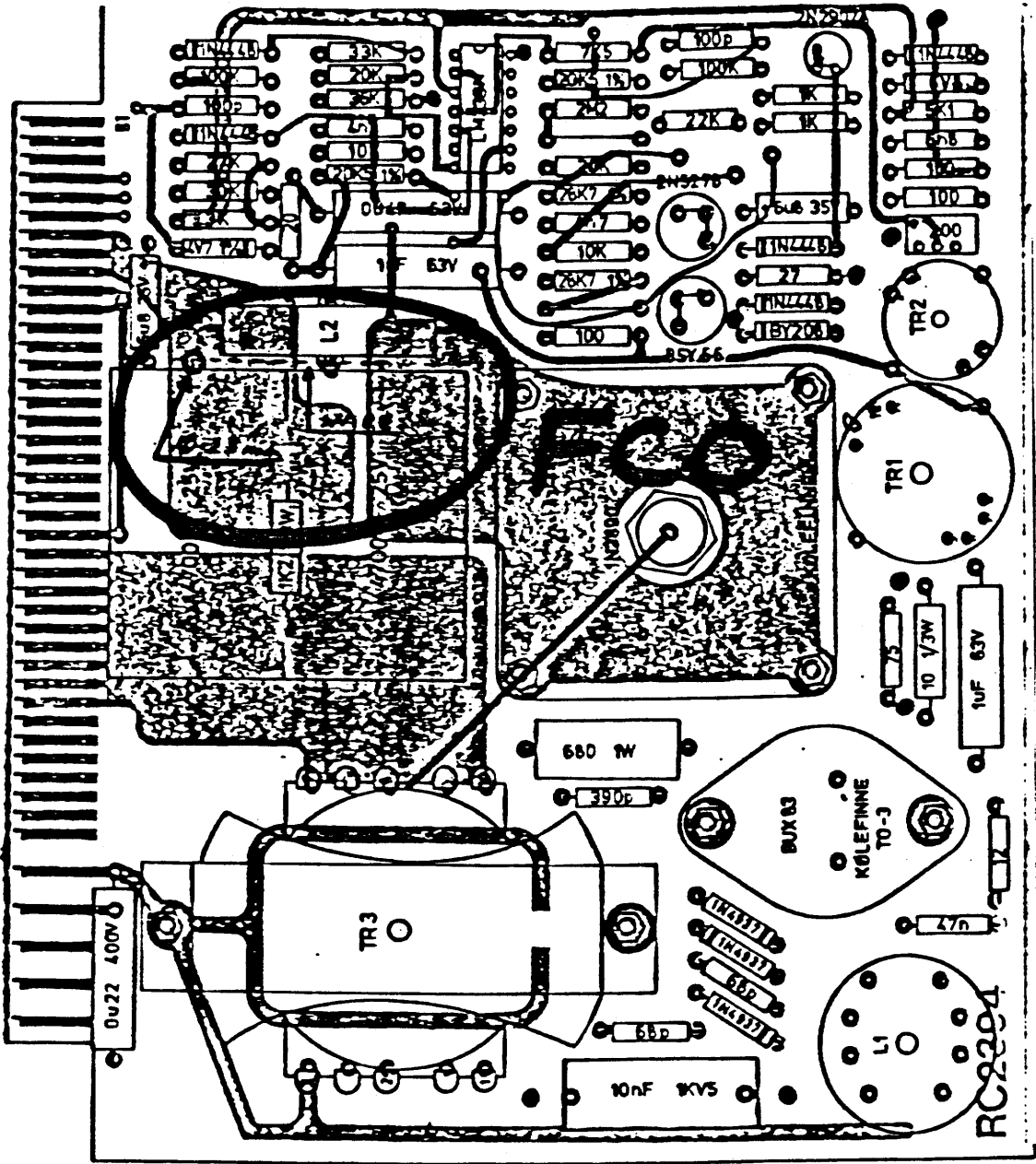
DOCUMENTATION ENCLOSED

Provisional Control Section Circuit Diagram.

ESTIMATED INSTALLATION TIME: 0.5 hour.

PROJECT ENGINEER	DEVELOPMENT MANAGER	SYS. PRODUCTION MANAGER	TECH. SERVICE MANAGER
SIGN.	SIGN.	SIGN.	SIGN.
<i>Harthorn</i>	<i>Katzen</i>	<i>Stille</i>	<i>Sellevad</i>
DATE: 25/11-80	DATE: 25/11-80	DATE: 25/11-80	DATE: 26/11-80

FIELD CHANGE ORDER



RCSL: 44 - RT 1911

MANDATORY <input checked="" type="checkbox"/>	RETROFIT ON FAILURE <input type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1	OF 2
RE: ECN NO: 11-064	

SERIAL EFFECTIVITY POW 732 delivered after 80.12.01.	EQUIPMENT AFFECTED RC 3600 / 8000 POW 732 Power Supply.
---	--

NOTE

REASON FOR CHANGE

The RMS value of the ripple current to which the capacitor C 1 is exposed, exceeds the absolute maximum rating. As a result, the capacitor is overheated and the life-time is decreased.

DESCRIPTION OF CHANGE

1. Unsolder the positive terminal lead of the capacitor C 2 from the print.
2. Increase the diameter of the hole using a 2.5 mm drill.
3. Mount the capacitor C 2 according to the illustration, see page 2.
4. Code the FCO-Label.

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-0164
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
7.5 cm	0.7 mm ϕ unisolated wire	
2.5 cm	1 mm ϕ teflon flex	

DOCUMENTATION ENCLOSED

Provisional Control Section Circuit Diagram.

ESTIMATED INSTALLATION TIME: 0.5 hour.

PROJECT ENGINEER	DEVELOPMENT MANAGER	SYS. PRODUCTION MANAGER	TECH. SERVICE MANAGER
SIGN. <i>Varkentin</i> DATE <i>25/11-80</i>	SIGN. <i>Larsen</i> DATE <i>25/11-80</i>	SIGN. <i>[Signature]</i> DATE <i>29/11-80</i>	SIGN. <i>[Signature]</i> DATE <i>26/11-80</i>

RCSL: 44 - RT 1911

MANDATORY <input checked="" type="checkbox"/>	RETROFIT ON FAILURE <input type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1	OF 1
RE: ECN NO: 11-075	

SERIAL EFFECTIVITY MEM 720/ 3 and upwards.	EQUIPMENT AFFECTED RC 3600 RC 3803S, RC 3903S/ MEM 720 Memory
NOTE	

REASON FOR CHANGE

The paper tape reader controller on MEM 720 is not working properly. Sometime the controller converts "ones" to "zeroes".

DESCRIPTION OF CHANGE

- Change the IC in pos. 188 from an SN74LS374 to a SN74S374.
- Code the FCO-label: 11-075.

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-0175
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
1	SN 74S374	

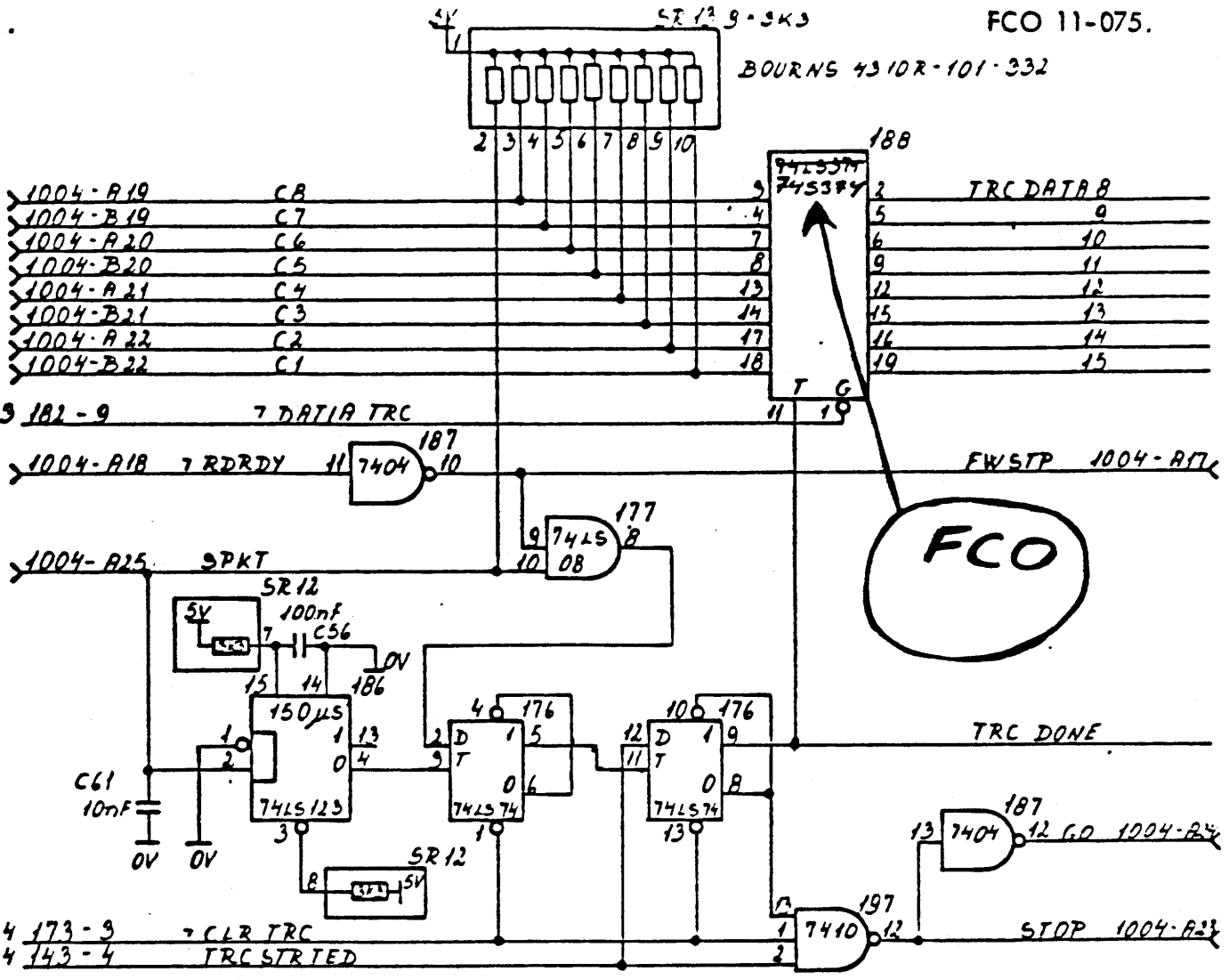
DOCUMENTATION ENCLOSED

One page of preliminary documentation. (IOC 10)

ESTIMATED INSTALLATION TIME: 0.5 hour.

PROJECT ENGINEER SIGN. <i>Karsten</i> DATE 30/4	DEVELOPMENT MANAGER SIGN. <i>[Signature]</i> DATE 30/4	SYS. PRODUCTION MANAGER SIGN. <i>[Signature]</i> DATE 2/5-81	TECH. SERVICE MANAGER SIGN. <i>[Signature]</i> DATE 5/5-81
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BOURNS 4310R-101-332



5 12 79 K.F. RGA 21.7.80

MEM 720 R 12902

PAPER TAPE READER CONTROLLER

IOC 10

SL: 44 - RT 1911

MANDATORY <input checked="" type="checkbox"/>	RETROFIT ON FAILURE <input type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1	OF 2
RE: ECN NO:	

SERIAL EFFECTIVITY MEM720/18, 19, 20, 21, 22, 23, 25, 28, 29, 31 and upwards	EQUIPMENT AFFECTED RC 3600 RC3803S/ MEM 720 Memory
---	---

NOTE

REASON FOR CHANGE

The oscillator might fail to start, after power up.
As a consequence, the realtime clock as well as the teletype controller does not work.

DESCRIPTION OF CHANGE

1. Unsolder the 68 pf capacitor C52, and replace it by a 330 pf.
2. Mount a 33 pf capacitor in parallel with the resistor R3. (680 ohm).
3. Code the fco-label: 11-089

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: B-0189
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
1	capacitor 330 pf	
1	capacitor 33 pf	

DOCUMENTATION ENCLOSED

1 page of preliminary documentation

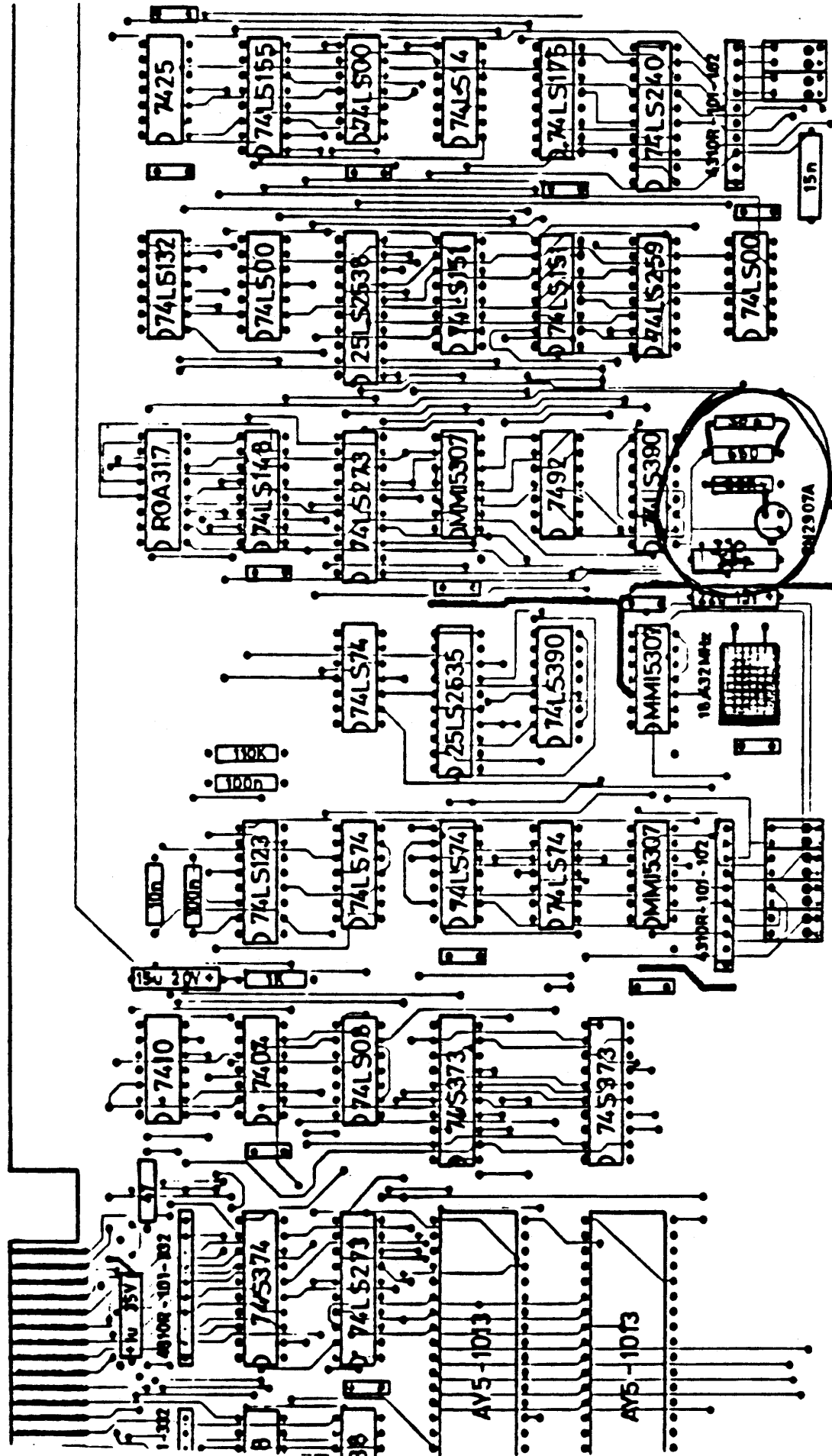
ESTIMATED INSTALLATION TIME: 0,5 h

PROJECT ENGINEER	DEVELOPMENT MANAGER	SYS. PRODUCTION MANAGER	TECH. SERVICE MANAGER
SIGN. <i>Karlsson</i> DATE 8/10/81	SIGN. <i>Hansen</i> DATE 8/10/81	SIGN. <i>Allesen</i> DATE 20/8-81	SIGN. <i>Allesen</i> DATE 27/8-81

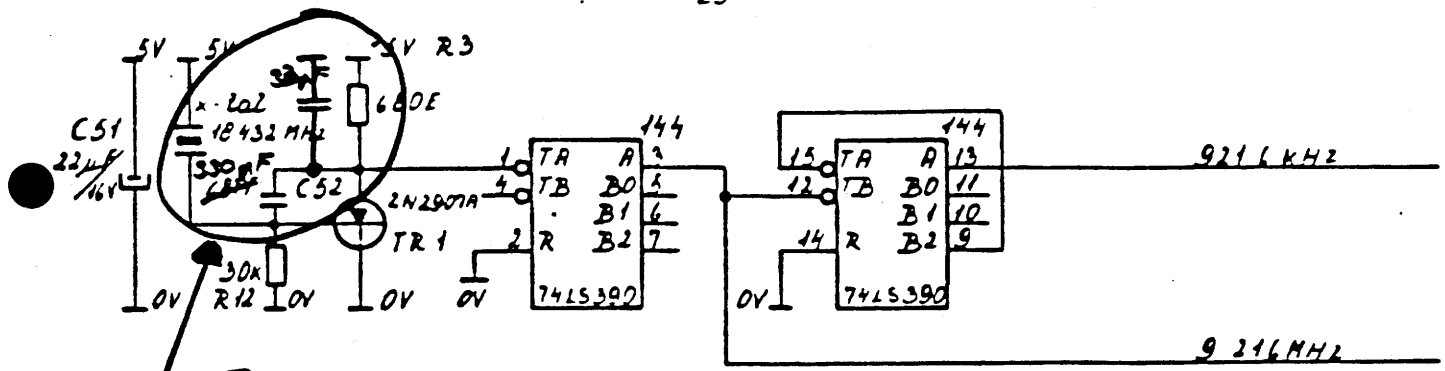


FIELD CHANGE ORDER

NO.	11-089
PAGE	2 OF 2

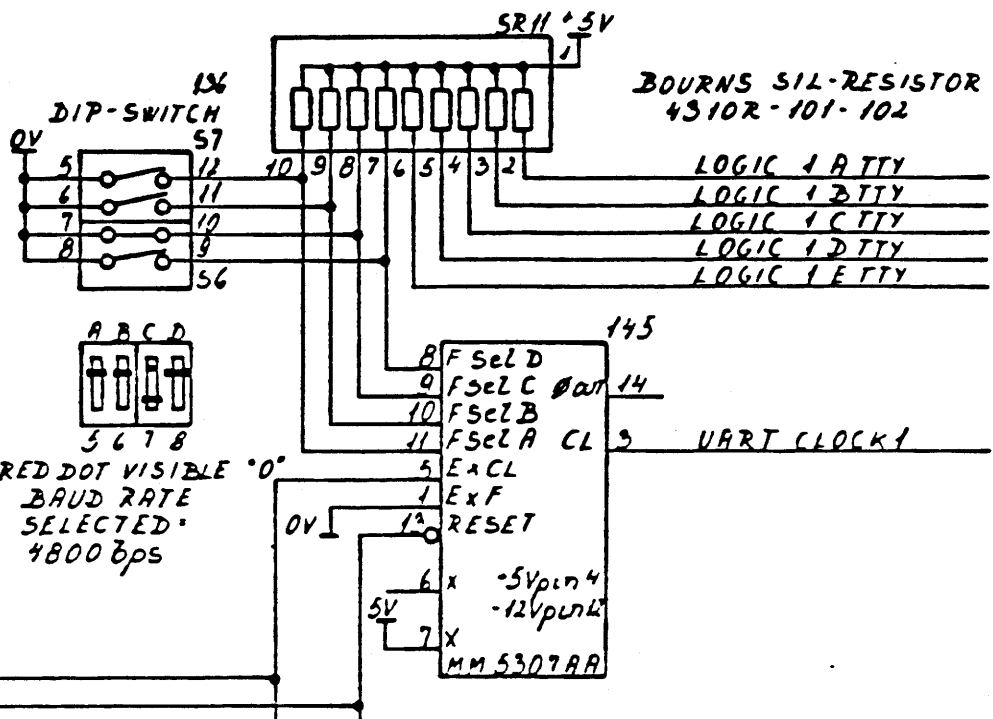


FCO



FCO

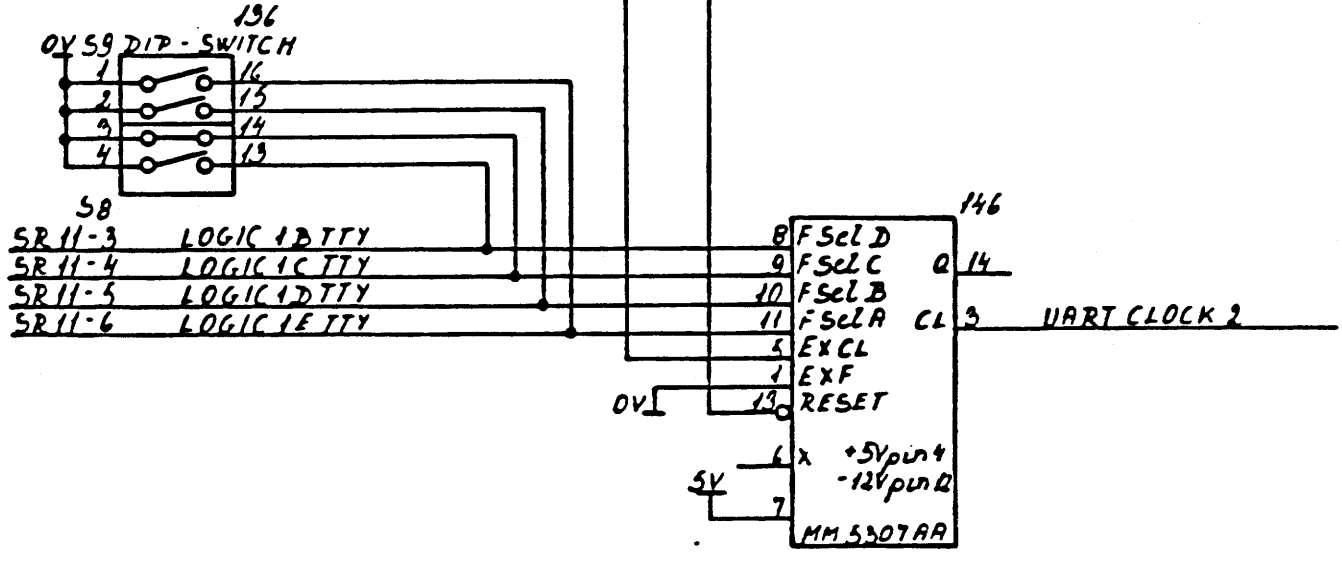
FREQ SELECT				BAUD RATE
A	B	C	D	bps
0	0	0	0	OFF
0	0	0	1	50
0	0	1	0	75
0	0	1	1	110
0	1	0	0	134.5
0	1	0	1	150
0	1	1	0	300
0	1	1	1	600
1	0	0	0	900
1	0	0	1	1200
1	0	1	0	1800
1	0	1	1	2400
1	1	0	0	3600
1	1	0	1	4800
1	1	1	0	7200
1	1	1	1	9600



RED DOT VISIBLE "0"
BAUD RATE
SELECTED:
4800 bps

144-13 921.6 KHZ
6 162-10 RESET

RED DOT VISIBLE ~"0"
BAUD RATE SELECTED: 4800 bps.



5 12 79 KF RGA 11 7.80

MEM 730

CLOCK AND BAUDRATE GENERATORS

JOC 7

R 12899

SL: 44 - RT 1911

MANDATORY	<input type="checkbox"/>	RETROFIT ON FAILURE	<input checked="" type="checkbox"/>
WARRANTY	<input checked="" type="checkbox"/>	NON WARRANTY	<input type="checkbox"/>

PAGE 1	OF 1
RE: ECN NO:	

SERIAL EFFECTIVITY Units produced after 81-10-09	EQUIPMENT AFFECTED RC3600, RC8000 POW 729 +5V Power Supply
---	---

NOTE

REASON FOR CHANGE

Some samples of the POW 729 module are not able to deliver 100 Watt of output power if the input DC voltage is decreased to 200 Volts. This is caused by a negative voltage on pin 4 of the LM339 comparator build up during the off-time of the switch transistor, affecting the correct function of the comparator.

DESCRIPTION OF CHANGE

Mount the diode BAT43 in parallel with the 100 pF capacitor C7.
(Physically mounted with the anode towards IC1).

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-0195
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
1	BAT43 diode	3-04-001

DOCUMENTATION ENCLOSED

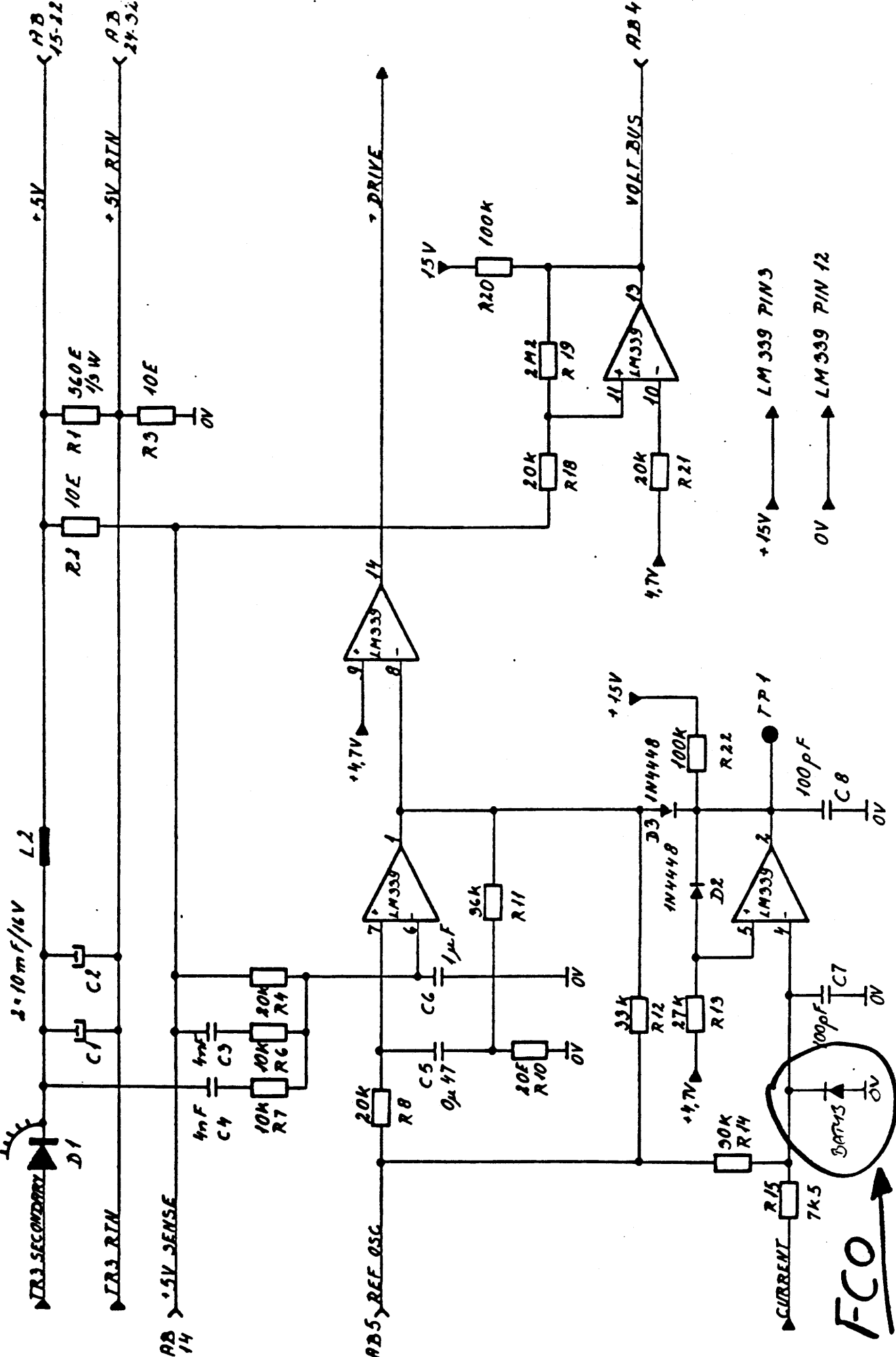
1 page of preliminary diagram

ESTIMATED INSTALLATION TIME:

PROJECT ENGINEER SIGN. <i>Karlsson</i> DATE <i>27/9-81</i>	DEVELOPMENT MANAGER SIGN. <i>Alm</i> DATE <i>27/9-81</i>	PROD. MANAGER SIGN. <i>Alm</i> DATE <i>27/9-81</i>	TECH. SERVICE MANAGER SIGN. <i>Alm</i> DATE <i>27/9-81</i>
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79 04 02 / 17 79 04 02 ACA
50H8015

2 12 692 11-061



POW 729
R 13 121

POW 729 * 5V POWER MODULE
CONTROL SECTION
CIRCUIT DIAGRAM

RCSL: 44 - RT 1911

MANDATORY <input checked="" type="checkbox"/>	RETROFIT ON FAILURE <input type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1 OF 2
RE: ECN NO:

SERIAL EFFECTIVITY MEM 720/28,31,32,38 and upwards	EQUIPMENT AFFECTED RC3600 RC3803S/MEM 720 Memory
---	---

NOTE

REASON FOR CHANGE

The "Mem. Init. Inhibit" flip-flop (and indicator) is sometimes set during the power-up condition. As a result the memory control logic is not properly reset and a dead-lock situation can be experienced.

DESCRIPTION OF CHANGE

1. Remove resistor R508 and capacitor C706.
2. Mount the diode IN4448 or IN914 instead of R508 (Not necessary if diode is already mounted in parallel with R507).
3. Add wire according to the assembly drawing on page 2.
4. Code the FCO label 11-096.

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-0196
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

DOCUMENTATION ENCLOSED

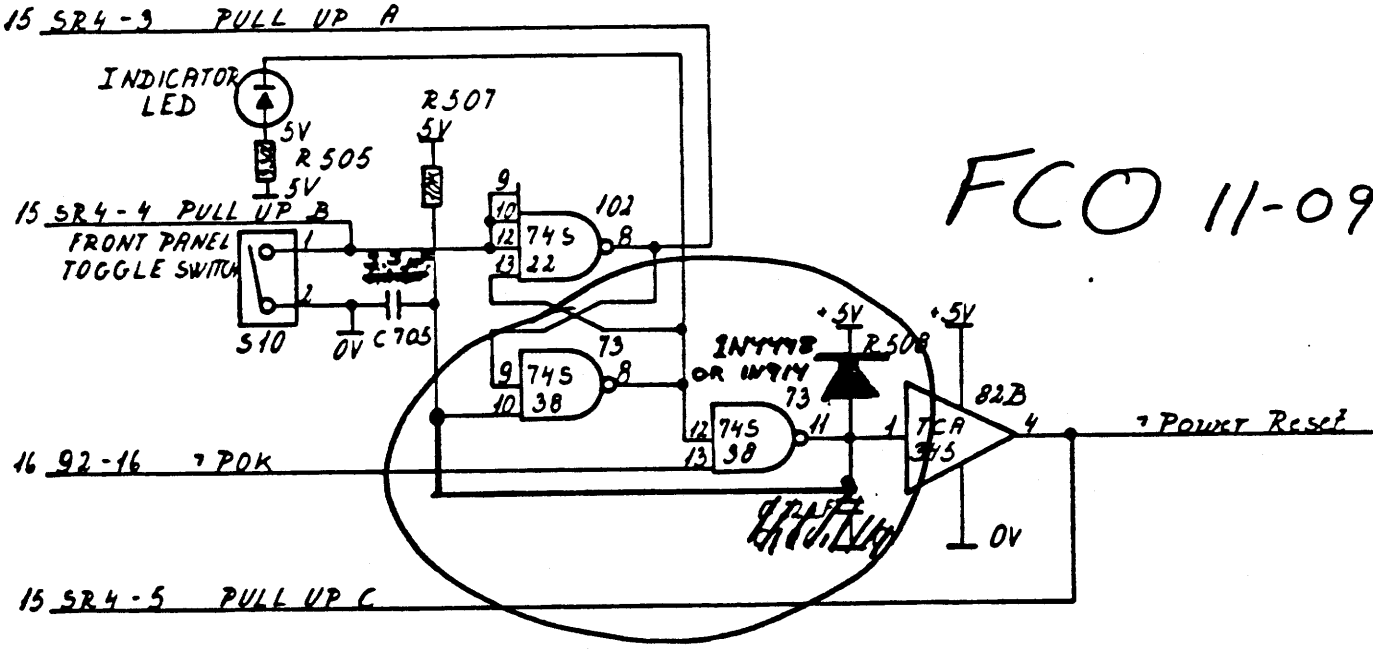
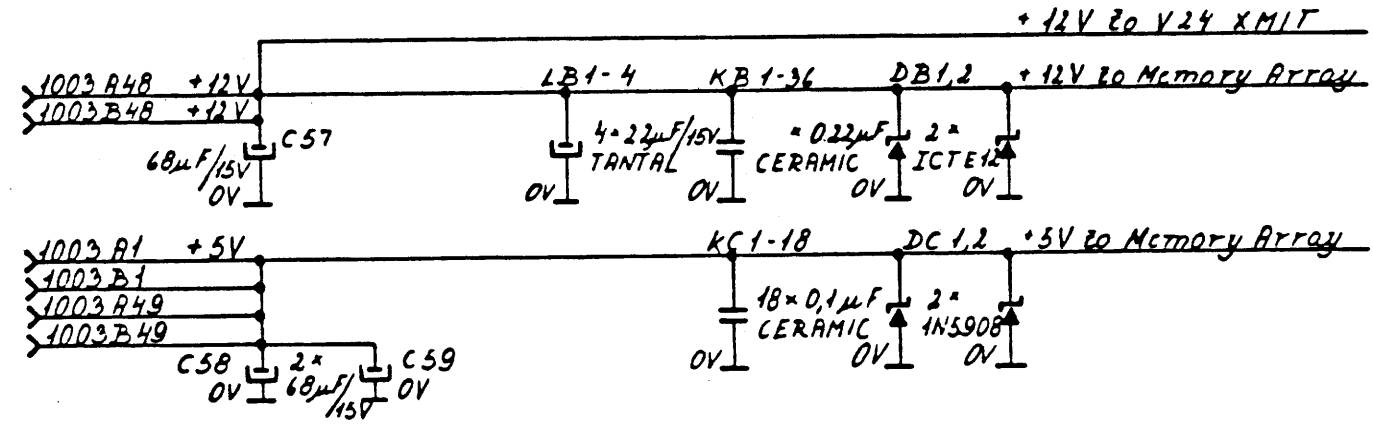
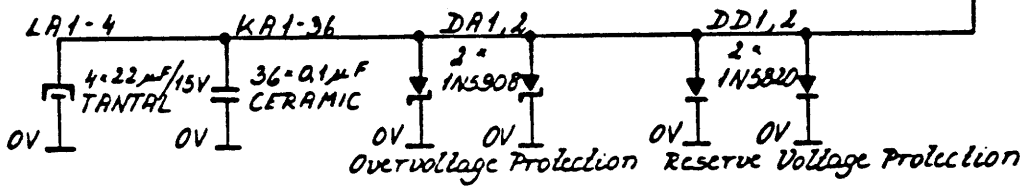
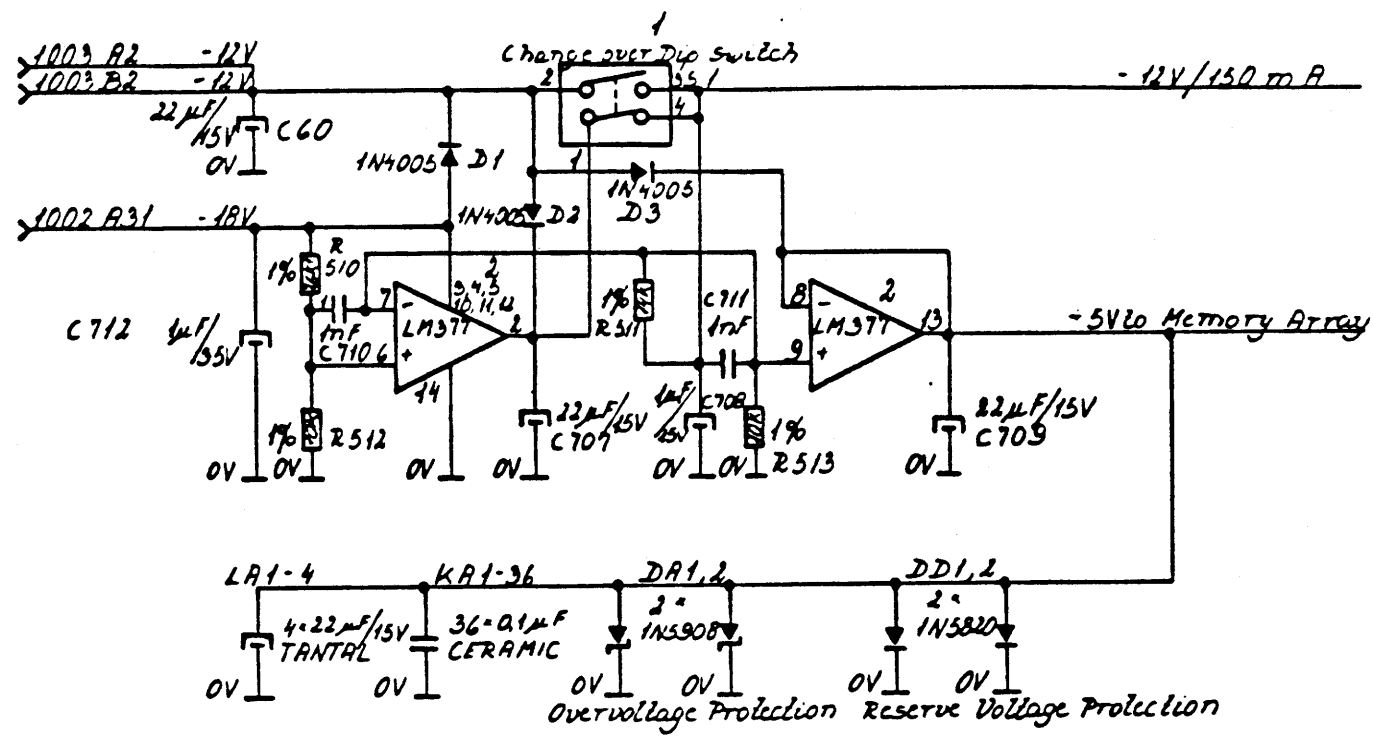
1 page of preliminary documentation

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
1	Diode IN4448	302020
2CM	Mini wire wrap wire	

ESTIMATED INSTALLATION TIME: 0,5 h

PROJECT ENGINEER SIGN. <i>Mark Friis</i> DATE <i>12-81</i>	DEVELOPMENT MANAGER SIGN. <i>[Signature]</i> DATE <i>1/12-81</i>	SYS. PRODUCTION MANAGER SIGN. <i>[Signature]</i> DATE <i>3/17-81</i>	TECH. SERVICE MANAGER SIGN. <i>[Signature]</i> DATE <i>1/12-81</i>
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FCO 11-096

5.12.79
KF
AGA
217.80

MEM
720
R 12915

POWER SUPPLY

MEM 23

RCSL: 44 - RT 1911

MANDATORY <input checked="" type="checkbox"/>	RETROFIT ON FAILURE <input type="checkbox"/>
WARRANTY <input checked="" type="checkbox"/>	NON WARRANTY <input type="checkbox"/>

PAGE 1	OF 1
RE: ECN NO:	

SERIAL EFFECTIVITY MEM 720 - S/N 61 and upwards	EQUIPMENT AFFECTED RC3600 RC3603/RC3803/MEM 720 Semiconductor Memory
NOTE	

REASON FOR CHANGE

Due to a harzardous design the MEM,720 occasionally locks up the CPU 720 (or the CPU 708).

When the error occurs the CPU cannot even be operated by the TCP 701

DESCRIPTION OF CHANGE

Replace resistor R503

Previous value: 510E

New value : 1K

Code the FCO-label 11-105

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 8-2105
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
1	Resitor 1K 1103057	

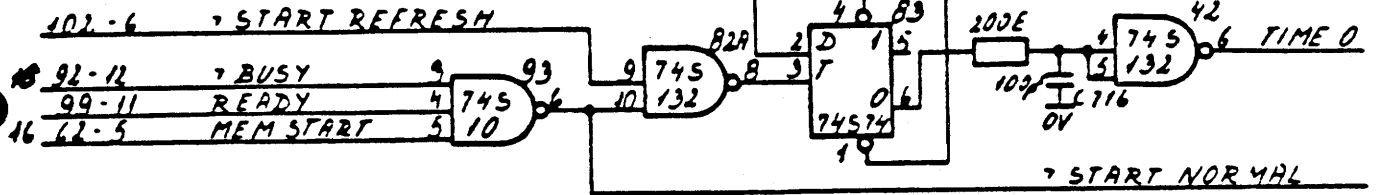
DOCUMENTATION ENCLOSED

1 page of preliminary documentation

ESTIMATED INSTALLATION TIME: 0,5 h

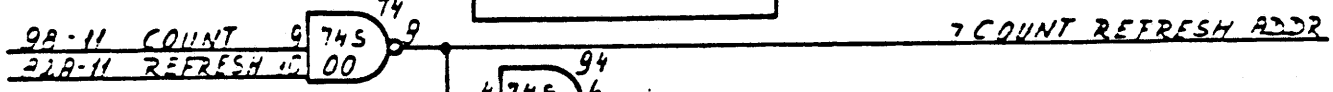
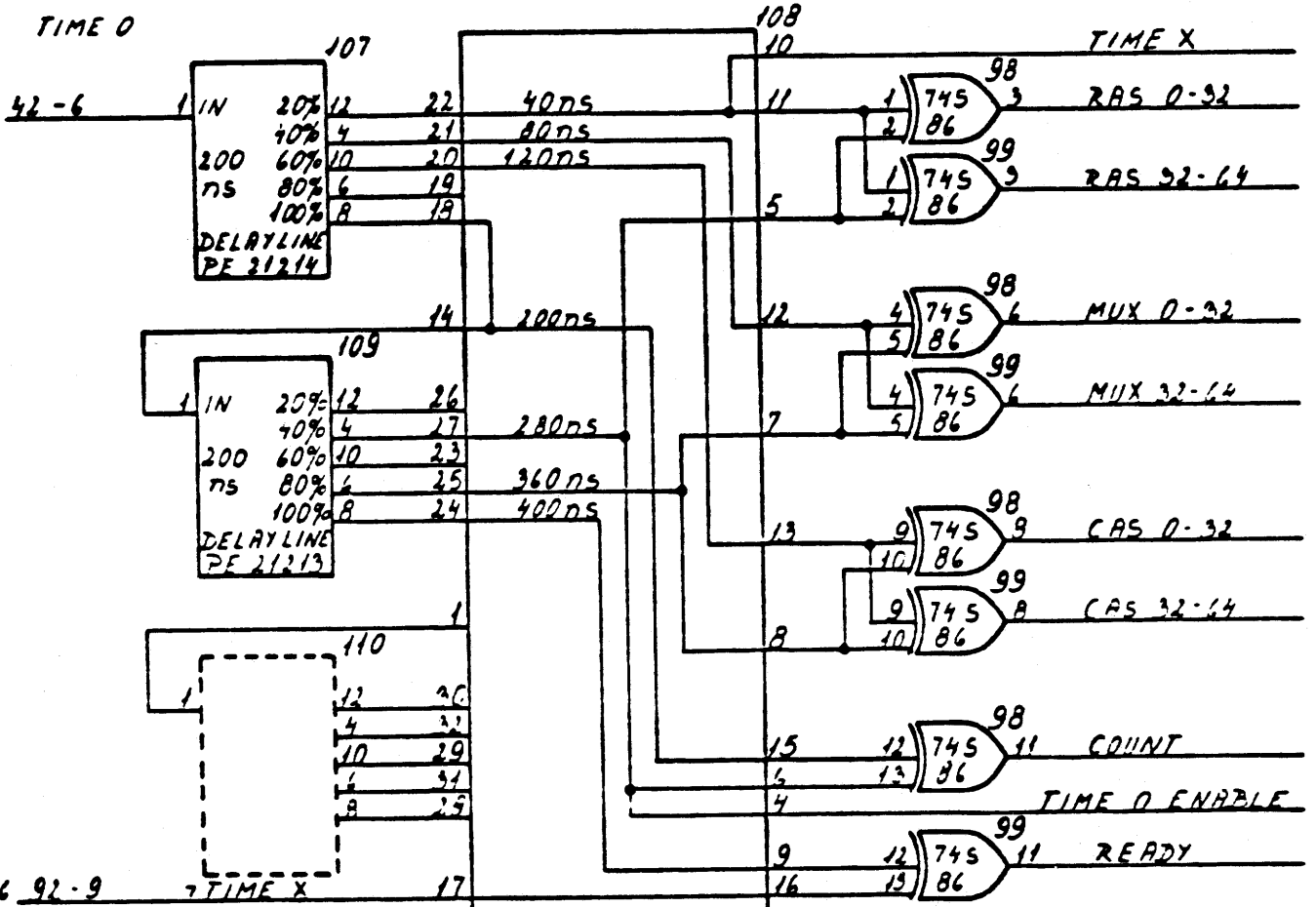
PROJECT ENGINEER SIGN. <i>Markus...</i>	DATE <i>21/6-82</i>	DEVELOPMENT MANAGER SIGN. <i>[Signature]</i>	DATE <i>21/6-82</i>	SYSTEM PRODUCTION MANAGER SIGN. <i>[Signature]</i>	DATE <i>21/6-82</i>	TECH. SERVICE MANAGER SIGN. <i>[Signature]</i>	DATE <i>21/6-82</i>
--	---------------------	---	---------------------	---	---------------------	---	---------------------

15 524-2 LOGIC 1A MEM
 16 92-7 TIME 0 ENABLE

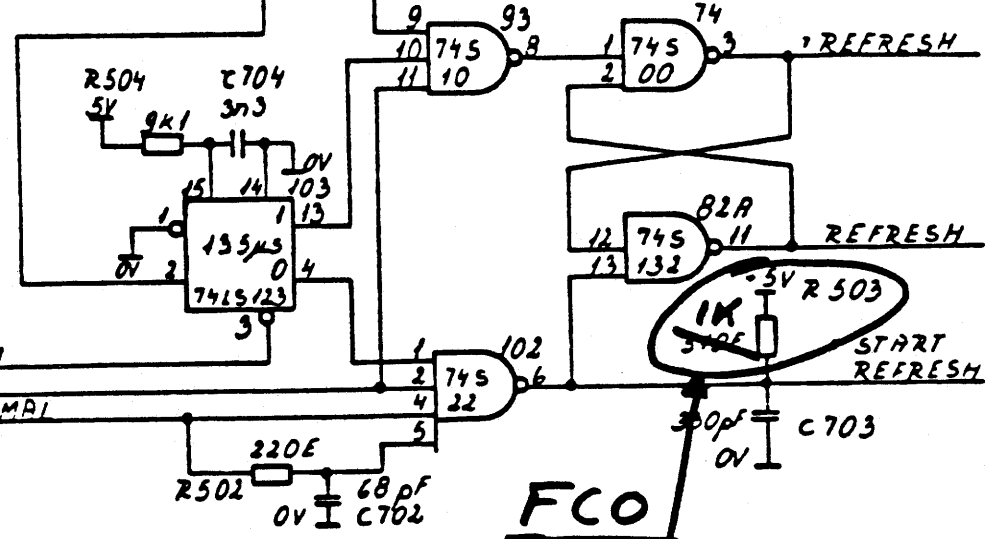


TIME 0

TIME X



23 92B-4 POWER RESET



15 524-2 LOGIC 1A MEM
 99-11 READY
 93-6 START NORMAL

5 12 79 KF
 21 7 80 RGA

RCSL: 44 - RT 1911

MANDATORY	<input checked="" type="checkbox"/>	RETROFIT ON FAILURE	<input type="checkbox"/>
WARRANTY	<input checked="" type="checkbox"/>	NON WARRANTY	<input type="checkbox"/>

PAGE 1 OF 2
RE: ECN NO:

SERIAL EFFECTIVITY POW 738 produced after 21.10.82	EQUIPMENT AFFECTED RC3600/RC8000 POW 738 Master Power Supply Electronics
---	---

NOTE

REASON FOR CHANGE

The POW 738 power control module sometimes fails to short circuit the inrush current delimiting resistor before the switch-modules are turned on. This causes the power supply to turn on and off, and will eventually damage resistor R1.

DESCRIPTION OF CHANGE

Replace the 2K4 resistor R40 by a 2K resistor.
See page 2.
Fill in the FCO-label.
Please inspect Q8 and Q9. It must not be a Q400E3.
If necessary, L400E3 or L401E3 can be ordered under p/n 501021.

ADDITIONAL COMMENTS

THE FCO-KIT CAN BE ORDERED AT THE SPARE PART STOCK UNDER RC-PARTNUMBER: 2-2108
ADDRESS: HOVEDVEJEN 9, DK-2600 GLOSTRUP DENMARK

KITS FREE OF CHARGE YES NO

THE FCO-KIT INCLUDES:

QTY	DESCRIPTION	RC P/N
1	2K 1/8 W Resistor	

DOCUMENTATION ENCLOSED

1 page of preliminary documentation

ESTIMATED INSTALLATION TIME: 0,5 h

PROJECT ENGINEER SIGN. <i>Venturi</i> DATE 10/10 82	DEVELOPMENT MANAGER SIGN. <i>[Signature]</i> DATE 14/10 82	SYS. PRODUCTION MANAGER SIGN. <i>[Signature]</i> DATE 17/10 82	TECH. SERVICE MANAGER SIGN. <i>[Signature]</i> DATE 17/10 82
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11-108



800646 KPMMA ACA

POW 138
2/1286

CONTROL MODULE
POW 138

