1081 Channel Amplifier

Technical Manual

© 1999 AMS Neve plc own the copyright of all information and drawings contained in this manual which are not to be copied or reproduced by any means or disclosed in part or whole to any third party without written permission.

As part of our policy of continual product improvement, we reserve the right to alter specifications without

Disclaimer: The information in this manual has been carefully checked and is believed to be accurate at the time of publication. However, no responsibilty is taken by us for inaccuracies, errors or omissions nor is any liability assumed for any loss or damage resulting either directly or indirectly from use of the information contained within

HEAD OFFICE

AMS NEVE PLC • BILLINGTON ROAD • BURNLEY
LANCS BB11 5UB • ENGLAND
TELEPHONE: +44 (0) 1282 457011 • FAX: +44 (0) 1282 417282

LONDON OFFICE

TELEPHONE: +44 (0) 171 916 2828 • FAX: +44 (0) 171 916 2827

NORTH AMERICAN OFFICES

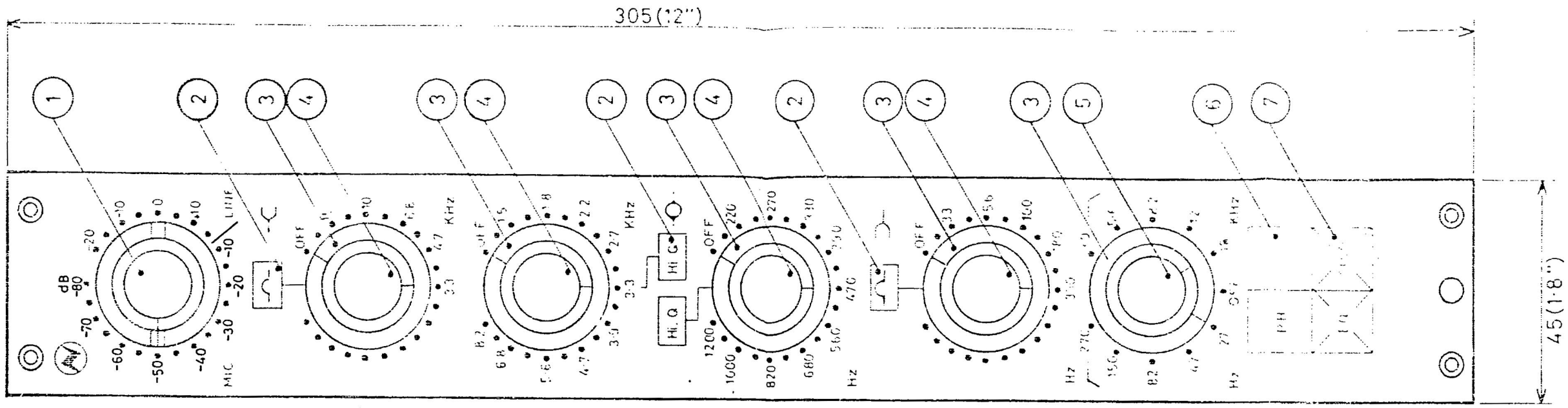
AMS NEVE INC., NEW YORK
TEL: +1 (212) 965 1400 • FAX: +1 (212) 965 3739
AMS NEVE INC., HOLLYWOOD
TEL: +1 (818) 753 8789 • FAX: +1 (818) 623 4839
RUPERT NEVE CANADA INC., TORONTO
TEL: +1 (416) 365 3363 • FAX: +1 (416) 365 1044
e-mail: enquiry@ams-neve.com
http://www.ams-neve.com

CHANNEL AMPLIFIER 1081 (GOLD LABEL)

CONTENTS LIST

DRAWING No.

ML 60387



ITEM	DETAIL
1	1" DIA BAR KNOB WITH SKIRT MAROON
2	10mm ISOSTAT BUTTON GREY FILLED BLACK
3	ALUMINIUM KNOB
4	$^{11}/_{16}$" DIA KNOB GREY
5	$^{11}/_{16}$" DIA KNOB BLUE
6	TJ BUTTON WHITE FILLED BLACK
7	———— " ———— ILLUMINATED

DESIGNATION AROUND ITEM 1 :-
MIC DESIGNATION TO BE SCREENED WHITE
LINE DESIGNATION TO BE SCREENED ORANGE

	15 REDRAWN	ISSUE	FIRST USED ON STANDARD	MATL.	TOL UNLESS OTHERWISE STATED LINEAR ±	ANGULAR	HOLES +0.13 −0
	26 MARCH 76	DATE	DRN. A.G.B.	FINISH	3rd ANGLE PRJ	DIMS IN mm	SCALE 1:1
	NO DESIGN CHANGE	CHANGE NOTE Nº	TRACED	TITLE CHANNEL AMPLIFIER 1081 FRONT PANEL LAYOUT	DRG. No. ML 60387		
	P/V	CHECKED	CHECKED	Rupert Neve & Company Ltd.	1976 ©	A3	

MY 54665R

CHANNEL AMPLIFIER 1081

(GOLD LABEL)

The Gold Label on the rear of the module indicates that certain customer modification have been carried out, making this module non-interchangeable with other NEVE type 1081 Channel Amplifiers.

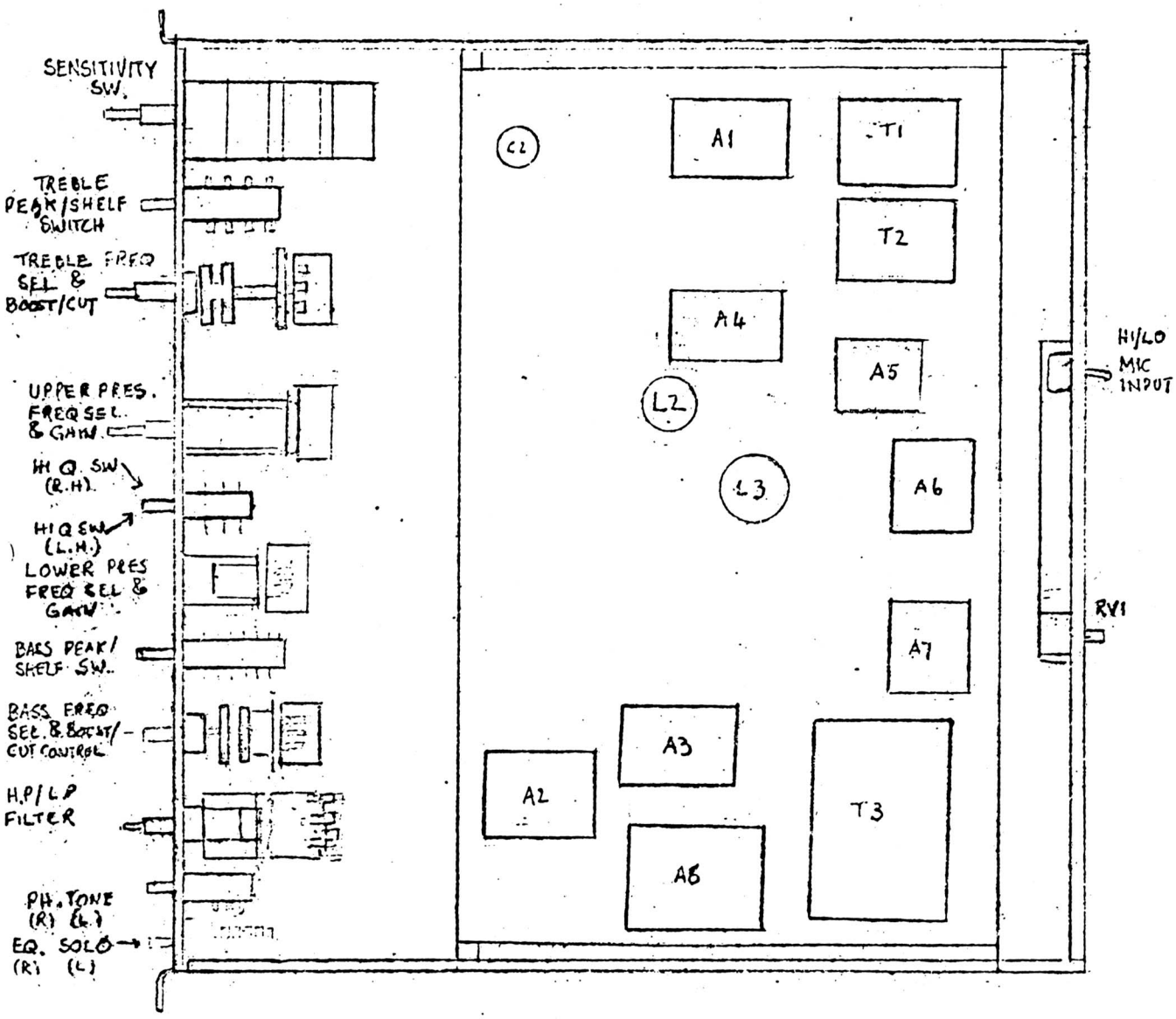


Fig. 1

Side view of Channel amplifier 1081 showing the location of switches and main components. For details of the smaller motherboard components see Fig. 2.

Details of the switches are shown separately on the following drawings.

Drawing No.	*Component*
EK20046	*Sensitivity Switch.*
EK20047	*Treble Switch Assembly.*
EK20048	*Presence Switch (upper and lower frequencies).*
EK20049	*Filter Switch Assembly.*
EK20050	*Bass Switch Assembly.*

Drawing EH10,037 shows the motherboard BA312 as a block with contact numbers and related wire colour codes for identification. The lettered sockets relate to the module rear connector.

Individual amplifiers are separately described.

Controls

All controls requiring adjustment during preliminary setting up or the normal operation of the equipment are on the front panel of the unit. Two preset controls are mounted on the rear panel and their functions are as follows:

1) HI/LO Microphone Input

This is a small toggle switch which selects either high or low level impedance at the primary of microphone input transformer T1. The line input at T2 is taken directly to the sensitivity switch via the yellow and grey wires.

2) Fader Preset Equalisation

The small preset potentiometer in series with the equalisation IN/OUT switch enables compensation to be inserted to allow for small resistive variations between channel faders.

The sensitivity switch shown in detail on drawing EK20046 has 23 positions. Of these, positions 1 to 9 are wired to vary the attenuation required for high level inputs, the attenuation being varied from -20 dB to +15 dB in 5 dB steps. The transition point between the high level and the low level attenuation occurs between switch positions 8 and 9 the difference being 25 dB from +15 dB to -10 dB. The low level attenuation is switchable in 5 dB steps from -5 dB to -80 dB. For details, see drawing KK20046.

3) Treble Switch Assembly EK20047

This is a dual concentric control comprising a six position switch selecting the high frequency roll-off points at 3.3 kHz, 4.7 kHz, 6.8 kHz and 15 kHz, the sixth position being an OFF position. The 10K potentiometer varies the high frequency response above or below the normal position. Mounted on the front panel immediately above the switch potentiometer control is a push-button switch which introduces a peak as an alternative to the normal shelf characteristic (boost condition only).

Upper/Lower Presence Switch Assemblies

Separate switch/potentiometer controls are employed, each having an associated Hi Q switch, the latter being mounted between the two controls on the front panel. The effect of the Hi Q switch when operated is to increase the resistive damping of the tuned circuit at the presence frequency selected, thereby, substituting a less acute rise and fall to the boost characteristic. As a general rule the use of a low Q response at the presence boost frequency is preferred on orchestral music, the high Q being reserved for other types of popular music.

As the upper and lower presence circuits are similar, a single circuit diagram is used with the appropriate resistor values shown.

Bass Boost/Cut

This circuit is similar in operation to the Treble boost/cut circuit and is provided with an associated Peak/Shelf switch operating on the response above the normal position. The potentiometer provides bass boost or cut and the peak/shelf facility operates on the boost side only.

HP/LP Filter

This is a dual concentric switch with separately operated 3- pole six way sections each having an OFF position. Any combination of roll-off points at high and low frequencies may be selected. For details see drawing EK20049.

Phase Reversing Switch

A phase reversing switch is connected between the motherboard terminals 23,24 and the module output contacts R and T (see drawing EH10,037)

Equalisation IN/OUT

This illuminated push-button is inserted so as to by-pass the equalising circuits and their associated amplifiers (unoperated condition.) When operated the equalisation switch connects the output from the amplifier A7 to the channel fader via RV1. The fader output from motherboard contact 19 is then routed to the output amplifier A8 at pin 20. The second pair of contacts of the equalisation switch completes the lamp circuit. In the unoperated state the output from A1 (pin 7) is taken to the fader and to the input of A8 at pin 19 of the motherboard.

Solo Switch

In the unoperated state the solo push-button switch connects the solo output at contact S of the module connector to B-. When operated, the SOLO button connects the unbalanced output at pin 22 to the Solo contact S and illuminates the push-button lamp. A second pair of ancillary contacts are also closed.

Tone Button

When pressed, this button operates a relay which applies high level tone to the Channel amplifier input.

PARTS LIST BA3I2

(USED ON I08I GOLD LABEL, A32I5 ONLY)

Ref	Description			Part No.
R1	Resistor	680	TR4 ±2%	R4 680
R3	Resistor	1K5	" "	R4 1K5
R4	Resistor	47	" "	R4 47
R6	Resistor	1K1	" "	R4 1K1
R7	Resistor	2KO	" "	R4 2KO
R8	Resistor	2K7	" "	R4 2K7
R9	Resistor	7K5	" "	R4 7K5
R10	Resistor	47O	" "	R4 47O
R11	Resistor	47	" "	R4 47
R12	Resistor	4K3	" "	R4 4K3
R13	Resistor	62O	" "	R4 62O
R14	Resistor	10K	" "	R4 10K
R15	Resistor	30K	" "	R4 30K
R16-24	Resistor	4M7	Type 15	T15 4M7
R25	Resistor	1K5	TR4 ±2%	R4 1K5
R26	Resistor	2K7	" "	R4 2K7
R27	Resistor	47	" "	R4 47
R28	Resistor	10K	" "	R4 10K
R29	Resistor	30K	" "	R4 30K
R30-38	Resistor	4M7	Type 15	T15 4M7
R39	Resistor	1K8	TR4 ±2%	R4 1K8
R40	Resistor	47	" "	R4 47
R41	Resistor	10K	" "	R4 10K
R42	Resistor	62O	" "	R4 62O
R43	Resistor	15K	" "	R4 15K
R44-57	Resistor	4M7	Type 15	T15 4M7
R58	Resistor	62O	TR4 ±2%	R4 62O
R59	Resistor	47	" "	R4 47
R60	Resistor	10K	" "	R4 10K
R61	Resistor	62O	" "	R4 62O
R62	Resistor	15K	" "	R4 15K
R63-66	Resistor	4M7	Type 15	T15 4M7
R68-75	Resistor	4M7	" "	T15 4M7
R76	Resistor	47	TR4 ±2%	R4 47
R77	Resistor	62O	" "	R4 62O
R78	Resistor	2KO	" "	R4 2KO
R79	Resistor	3K9	" "	R4 3K9
R80	Resistor	15K	" "	R4 15K
R82,83	Resistor	10O	" "	R4 10O
R84	Resistor	1K8	" "	R4 1K8
R85,86	Resistor	2KO	" "	R4 2KO
R87	Resistor	2K4	" "	R4 2K4
R88	Resistor	3K6	" "	R4 3K6
R89	Resistor	3K6	" "	R4 3K6
R91	Resistor	10	" "	R4 10
R92	Resistor	82O	" "	R4 82O
R93	Resistor	15K	" "	R4 15K

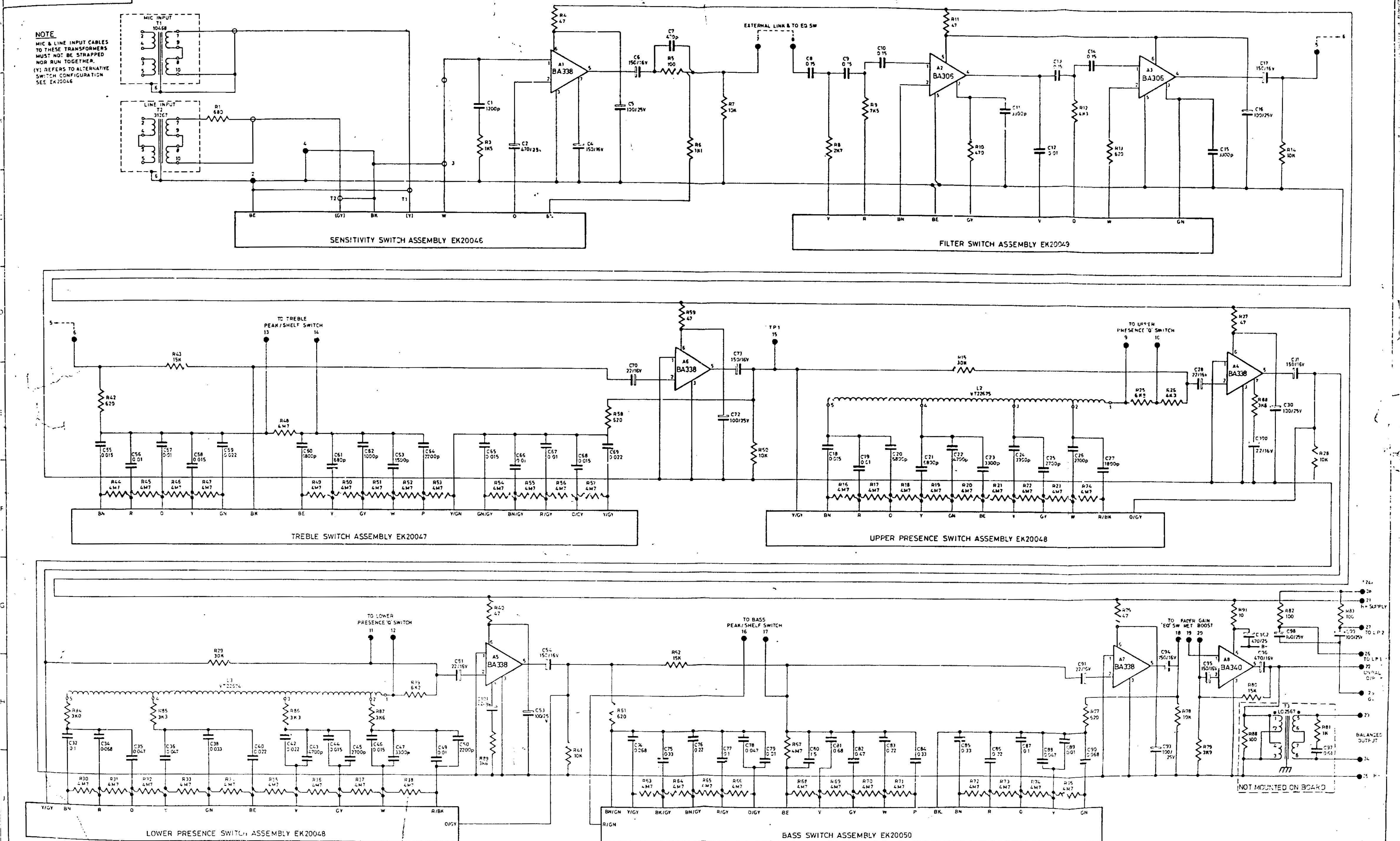
PARTS LIST BA312 (Cont'd)

Ref	Description	Part No.
C1	Capacitor 1n2 Suflex H.S.	C0196
C2	Capacitor 470 µF 25V	C0306
C4	Capacitor 150 µF 16V	C0297
C5	Capacitor 100 µF 25V	C0298
C6	Capacitor 150 µF 16V	C0297
C7	Capacitor 470 pF Suflex H.S	C0044
C8,9,10	Capacitor 150 n	C0204
C11	Capacitor 3n3 Suflex H.S	C0186
C12	Capacitor 10n0	C0198
C13,14	Capacitor 150n0	C0204
C15	Capacitor 3n3	C0186
C16	Capacitor 100 µF 25V	C0298
C17	Capacitor 150 µF 16V	C0297
C18	Capacitor 15n0	C0202
C19	Capacitor 10n0	C0198
C20,21	Capacitor 6n8	C0188
C22	Capacitor 4n7	C0187
C23	Capacitor 3n3	C0186
C24	Capacitor 3n9	C0303
C25,26	Capacitor 2n8	C0304
C27	Capacitor 1n8	C0305
C28	Capacitor 22 µF 16V Tag	C0199
C30	Capacitor 100 µF 25V	C0298
C31	Capacitor 150 µF 16V	C0297
C32	Capacitor 100n0	C0211
C34	Capacitor 68n0	C0200
C35,36	Capacitor 47n0	C0206
C38	Capacitor 33n0	C0203
C40,42	Capacitor 22n0	C0205
C43	Capacitor 4n7	C0187
C44	Capacitor 15n0	C0202
C45	Capacitor 2n8	C0304
C46	Capacitor 15n0	C0202
C47	Capacitor 3n3	C0186
C49	Capacitor 10n0	C0198
C50	Capacitor 2n2	C0192
C51	Capacitor 22 µF 16V Tag	C0199
C53	Capacitor 100 µF 25V	C0298
C54	Capacitor 150 µF 16V	C0297
C55	Capacitor 15n0	C0202
C56,57	Capacitor 10n0	C0198
C58	Capacitor 15n0	C0202
C59	Capacitor 22n0	C0205
C60	Capacitor 1n8	C0305
C61	Capacitor 680 pF	C0045
C62	Capacitor 1n0	C0183
C63	Capacitor 1n5	C0191
C64	Capacitor 2n2	C0192
C65	Capacitor 15n0	C0202
C66,67	Capacitor 10n0	C0198
C68	Capacitor 15n0	C0202
C69	Capacitor 22n0	C0205
C70	Capacitor 22 µF 16V Tag	C0199
C72	Capacitor 100 µF 25V	C0298
C73	Capacitor 150 µF 16V	C0297
C74	Capacitor 68n0	C0200
C75	Capacitor 330n0	C0210
C76	Capacitor 220n0	C0201

PARTS LIST BA312 (Cont'd)

Ref	Description	Part No.
C77	Capacitor 100n	C0211
C78	Capacitor 47n	C0206
C79	Capacitor 10n0	C0198
C80	Capacitor 1.5 µF	C0265
C81	Capacitor 680n	C0208
C82	Capacitor 470n0	C0209
C83	Capacitor 220n0	C0201
C84,85	Capacitor 330n0	C0210
C86	Capacitor 220n0	C0201
C87	Capacitor 100n0	C0211
C88	Capacitor 47n0	C0206
C89	Capacitor 10n0	C0198
C90	Capacitor 68n0	C0200
C91	Capacitor 22 µF 16V Tag	C0199
C93	Capacitor 100 µF 25V	C0298
C94,95	Capacitor 150 µF 16V	C0297
C96	Capacitor 470 µF 16V	C0306
C98,99	Capacitor 100 µF 25V	C0298
C100	Capacitor 22 µF 16V Tag	C0199
C101	Capacitor 22 µF 16V Tag	C0199
C102	Capacitor 470 µF 25V	C0380
C103	Capacitor 100 pF Suflex H.S	C0039
C105	Capacitor 1000 µF 25V	C0333
C106	Capacitor 180 pF Suflex H.S	C0040
T1	Input transformer 10468	T0004
T2	Input transformer 31267	T0006
D1	Zener Diode ZF 8.2V	XX11507
L2	Inductor VT22675	T0098
L3	Inductor VT22674	T0097
Qty 45	Cambion sockets	C0240
Qty 102	Cambion Pins	C0258
	Printed Circuit Board (unassembled)	B312

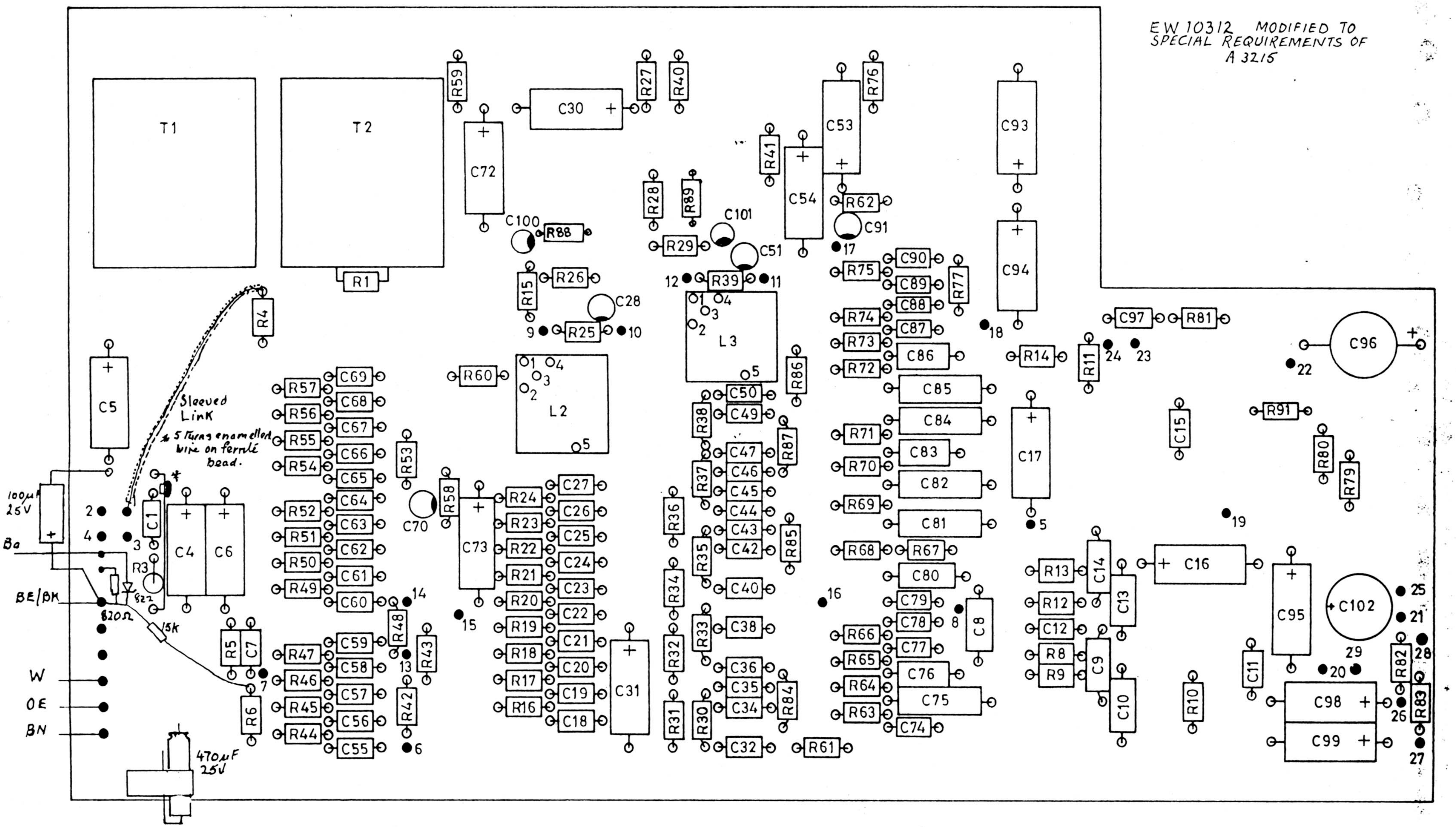
DRAWING Nº EX 10312



NOTE :- BA338/C= BA338 + 47p CAPACITOR

12	11	1C	9	8	7	6	5	4	3	2	1	ISSUE
5-9-75	4-4-75	4-4-75	27-2-75	17. 9. 74.	8. 7. 74.	29/10/73	6/9/73	31/5/73	15/1/73	17/10/72	12/9/72	DATE
11271	11160	11160	11128	10988	10945	10790 10802	10757	10708	10627	10580		CHANGE NOTE Nº
												CHECKED

FIRST USED ON A599	MATL	TOL UNLESS OTHERWISE STATED LINEAR	ANGULAR / HOLES
DRN.	FINISH	3RD ANGLE PROJ	DIMS IN / SCALE
TRACED LMC	TITLE BA312 1081 MOTHERBOARD	DRG. Nº EX 10312	
CHECKED WALLY	Rupert Neve & Company Ltd.	1972 ©	A1


EW 10312 MODIFIED TO SPECIAL REQUIREMENTS OF A 3215
Sleeved Link
* 5 turns enamelled wire on ferrite bead.
100µF 25V
470µF 25V
820Ω
822
15K
Ba
BE/BK
W
OE
BN
T1
T2
L2
L3
R1
R3
R4
C5
C4
C6
C72
C73
C30
C31
C53
C54
C93
C94
C96
C102
C98
C99
C95
C16
C17

TITLE: BA451/1 EQ RELAY / FLIP FLOP P.C.B. FOR A3215 ONLY

PART LIST No. PL10451/1 SHT. 1 OF 2.

Rupert Neve & Company Ltd own the copyright of this drawing which is not to be copied reproduced or disclosed in part or whole to a third party without written permission

FIRST USED ON: A 3215

ITEM No.	N.E.L. PART No.	DESCRIPTION	No. OFF	
1		MANUFACTURING INFORMATION.		
2	EU10451	MASTER LINE DIAGRAM	A4	ISSUE 1
3	EV10451	MANUFACTURING INFORMATION	A4	ISSUE 1
4	EW10451	COMPONENT LAYOUT.		ISSUE N D.
5	EX10451/1	CIRCUIT DIAGRAM.	A3	ISSUE 1
6		TEST SPECIFICATION.		ISSUE N. D.
7				
8		COMPONENTS		
9	B451	PRINTED CIRCUIT BOARD.	1.	
10				
11	C0199	CAPACITOR TAG 22µf 16V.	2	C2, C3,
12	C0321	— " — POLYCARB.. 10n.	1.	C1.
13	C0258	CAMBION SOLDER PN. 120-1370-2-04	11.	
14				
15	T0041.	DIODE BAX16	1.	D1.
16	T0043	TRANSISTOR BC184	2.	TR1 & TR2.
17	T0059	TRANSISTOR MOUNTING PAD.	2.	2/ITEM 16.
18	T0077	— " — — " — —"—	1.	1/ITEM 19.
19	XX12808	RELAY. TELEDYNE 712M-26	1.	
20				

DRAWN B. ROBINSON	ISSUE	1								PART LIST No. PL10451/1
CHECKED	DATE	9.4.75								SHT 1 OF 2
	C/N No.	—								

ITEM No.	N.E.L. PART No.	DESCRIPTION	No. OFF	
21.	R4 300	RESISTOR TR4 5% 300 OHMS	1.	R2.
22.	R4 2K2	— " — — " — 2K2 — " —	1.	R1.
23.	R4 47K	— " — — " — 47K — " —	2	R3, R4,
24.	R4 4K7	— " — — " — 4K7 — " —	2	R5, R6.
25.	R4 2KO	— " — — " — 2KO. — " —	2	R7, R8.
26.				
27.				
28.				
29.				
30.				
31.				
32.				
33.				
34.				
35.				
36.				
37.				
38.				
39.				
40.				
41.				
42.				
43.				
44.				

DRAWN: B. ROBINSON

CHECKED:

PART LIST No. PL10451/1

SHT. 2 OF 2

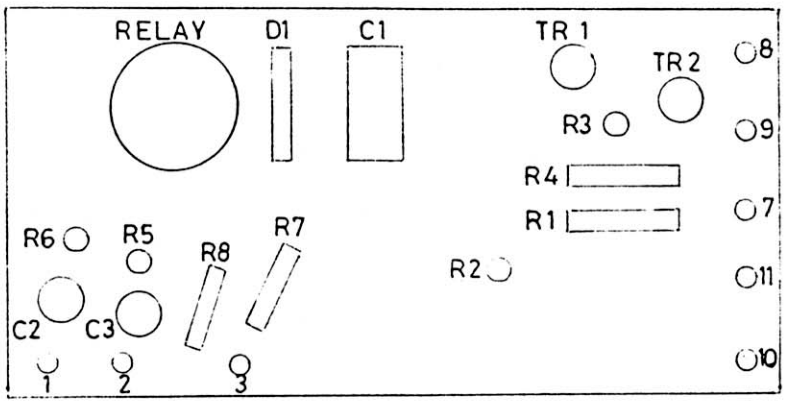
ADMEL7457A

Rupert Neve & Company Ltd.

PRINTED CIRCUIT BOARD ASSEMBLY BA451/I

EQ RELAY/FLIP FLOP

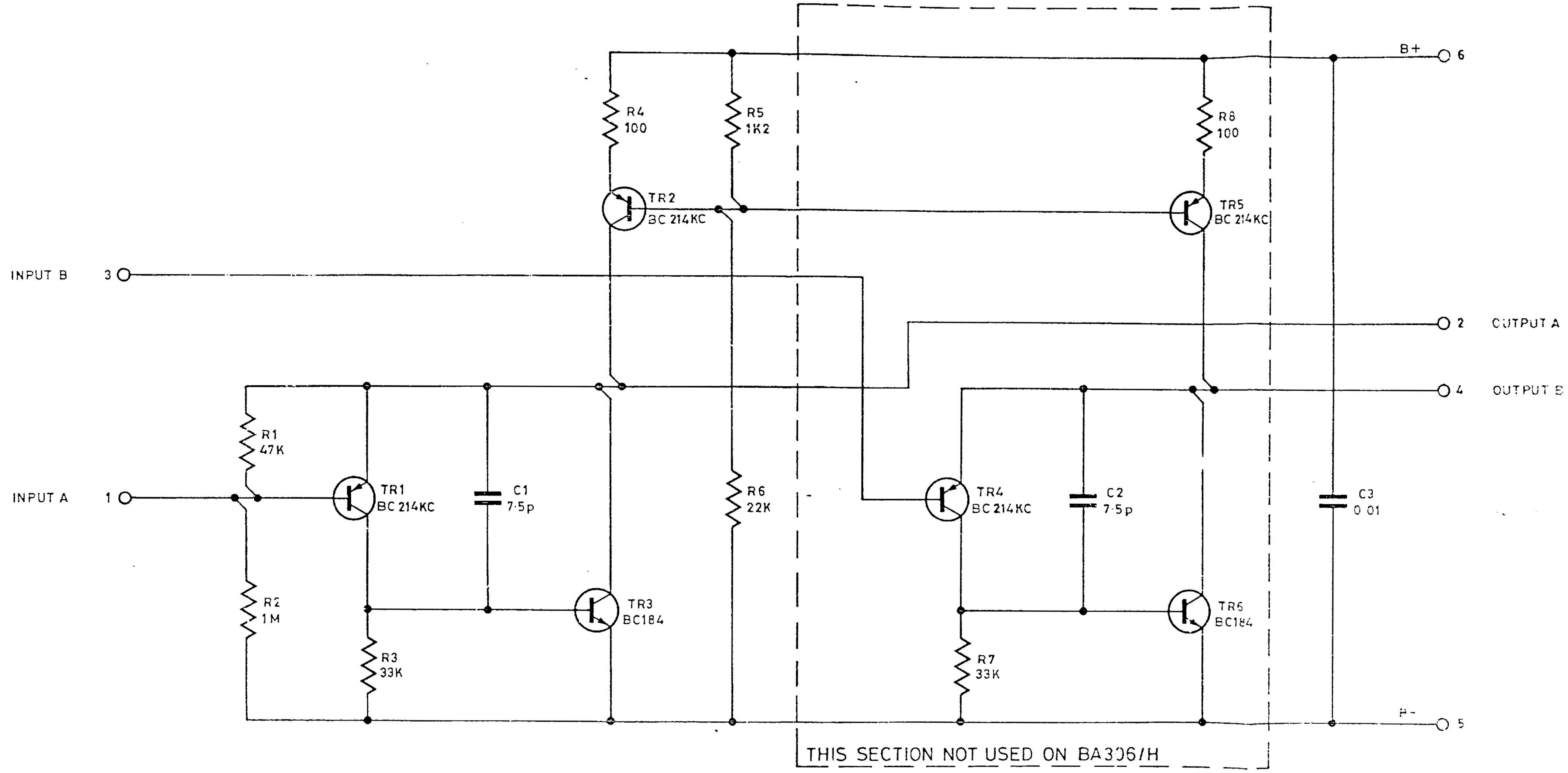
COMPONENT LAYOUT



PARTS LIST

Ref	Descrintion				Part No.
R1	Resistor	2K2	TR4	5%	R4 2K2
R2	Resistor	300	"	"	R4 300
R3	Resistor	47KO	"	"	R4 47KO
R4	Resistor	47KO	"	"	R4 47KO
R5	Resistor	4K7	"	"	R4 4K7
R6	Resistor	4K7	"	"	R4 4K7
R7	Resistor	2KO	"	"	R4 2KO
R8	Resistor	2KO	"	"	R4 2KO
C1	Capacitor	10 n	Polycarbonate		CO321
C2	Capacitor	22 µF	16V TAG		CO199
C3	Capacitor	22 µF	16V TAG		CO199
D1	Diode	BAX16			TO041
TR1	Transistor	BC184 KC			TO043
TR2	Transistor	BC184 KC			TO043
	Transistor Mounting Pad (for TO043)				TO059
	Transistor Mounting Pad (for XX12808)				TO077
	Relay Teledyne 712m-26				XX12808
	Printed Circuit Board (unassembled)				B451

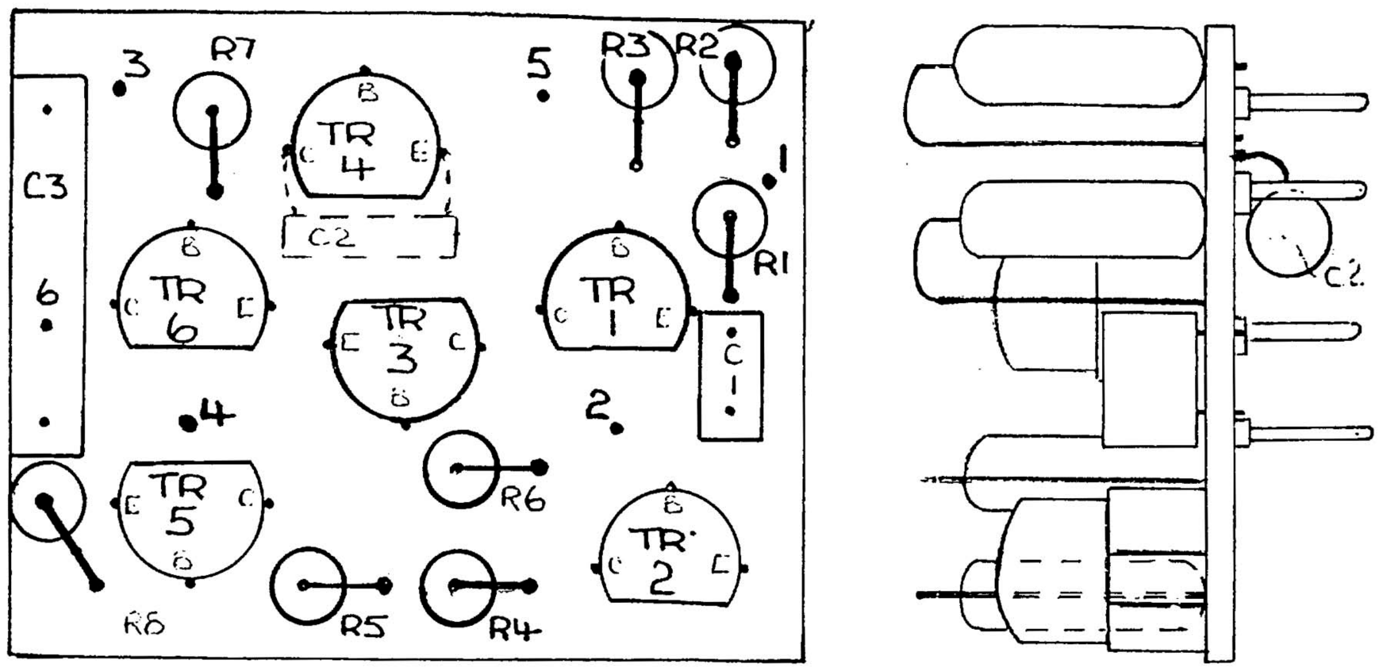
DRAWING Nº EX 10306



3	2	1	ISSUE
5/6/73	23·11·72	30·10·72	DATE
10714	10564		CHANGE NOTE Nº
			CHECKED

FIRST USED ON
MATL.
DRN. DFG
FINISH
TRACED LMC
CHECKED
TITLE BA306 DUAL VOLTAGE FOLLOWER
LINEAR | ANGULAR | HOLES
DIMS IN | SCALE
DRG. Nº EX 10306

Rupert Neve & Company Ltd. 1972 © A3



BETWEEN COLLECTOR &
EMITTER OF TR4

NAME	MOD. No.	DATE	ISS.
KT	M3E30 LV	16-7-97	2
BB	D38000/CK	3-2-97	1

THIRD ANGLE PROJECTION

DRAWN TO B.S.308

AMS NEVE PLC. owns the copyright to this drawing. It must not be copied in whole or in part, used for manufacture or otherwise disclosed without prior written consent of the company. © AMS NEVE PLC.

SCALE

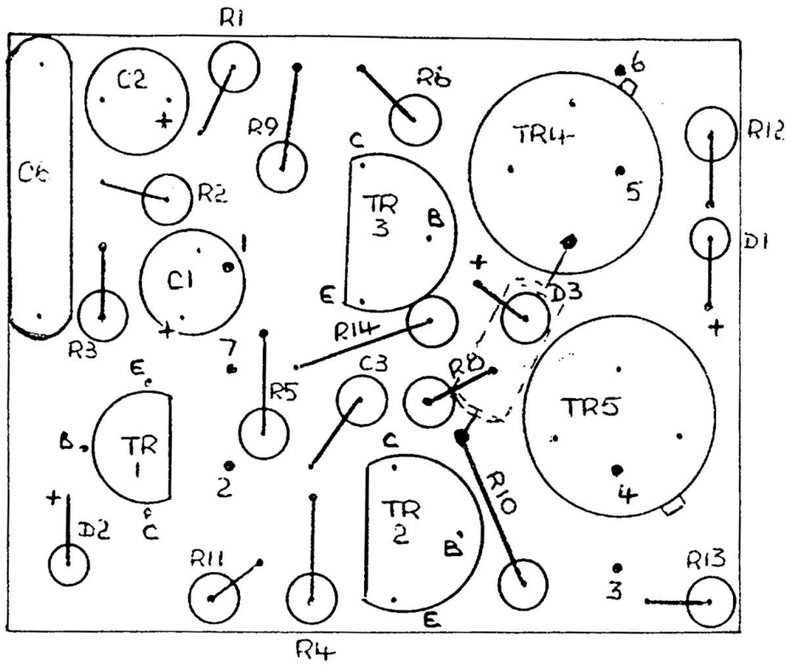
TITLE: DUAL VOLTAGE FOLLOWER

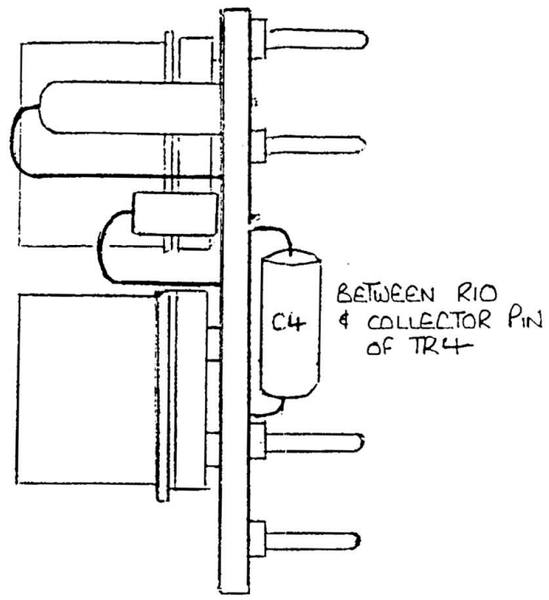
DRAWN	APP'D	DATE
BB	BB	3-2-97

AMS NEVE PLC. BILLINGTON ROAD, BURNLEY, LANCS. BB11 5UB. ENGLAND.
TEL. (01282) 457011 FAX. (01282) 39542

AMS NEVE

DRG No.	SHT
EW10306-C	1





KB	[illegible]	11/7/97	2
KB	D3Boodick	3-2-97	1
NAME	MOD. No.	DATE	ISS.

THIRD ANGLE PROJECTION

DRAWN TO B.S.308

AMS NEVE PLC. owns the copyright to this drawing. It must not be copied in whole or in part, used for manufacture or otherwise disclosed without prior written consent of the company. © AMS NEVE PLC.

SCALE

TITLE: PLUG-IN AMP

DRAWN	APP'D	DATE
KB	KB	3-2-97

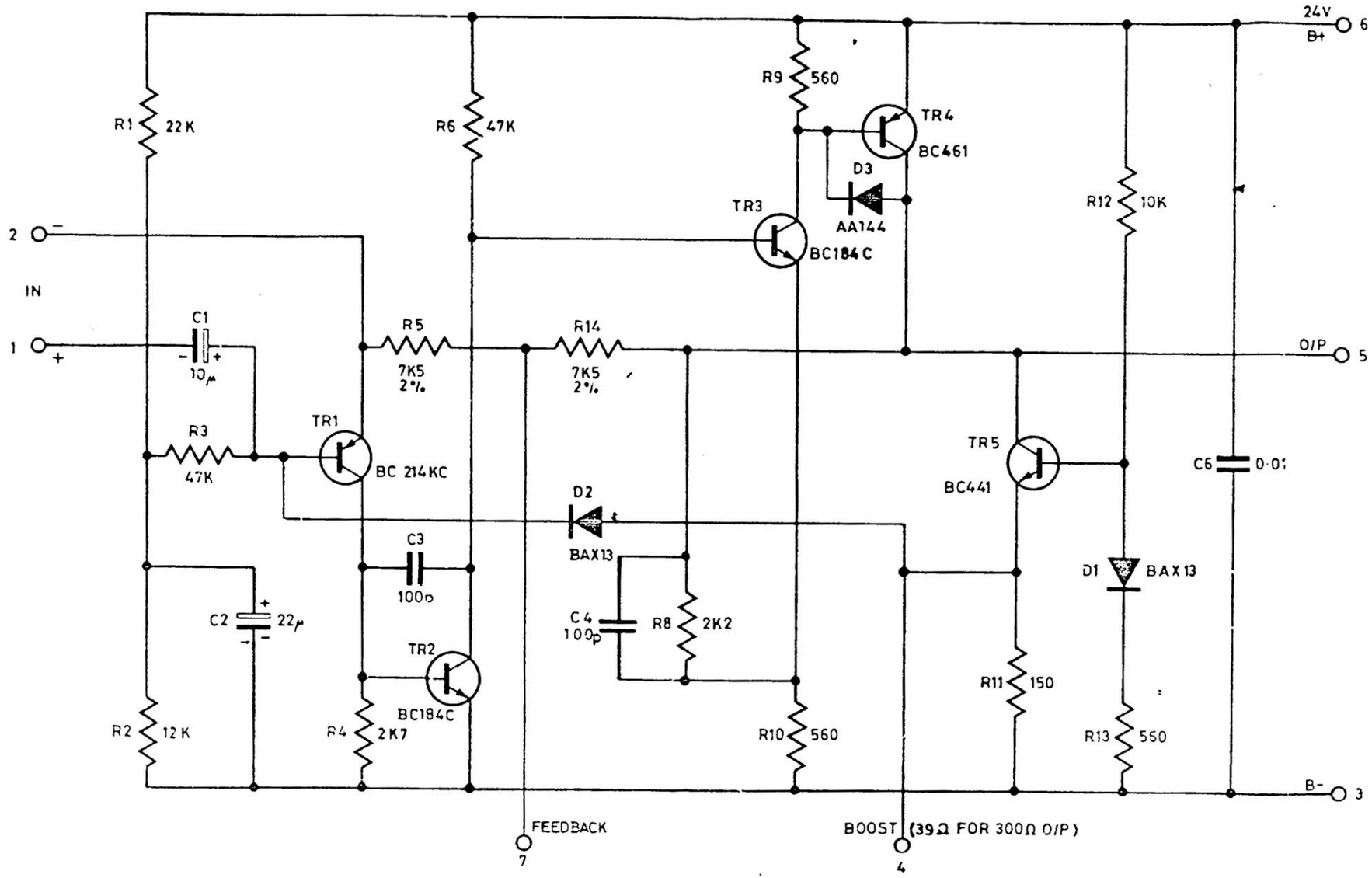
AMS NEVE PLC. BILLINGTON ROAD, BURNLEY. LANCS. BB11 5UB. ENGLAND. TEL. 01282 457811 FAX. 01282 39542

AMS NEVE

DRG No.	SHT
EW10338-C	1

BA 338

EX10338



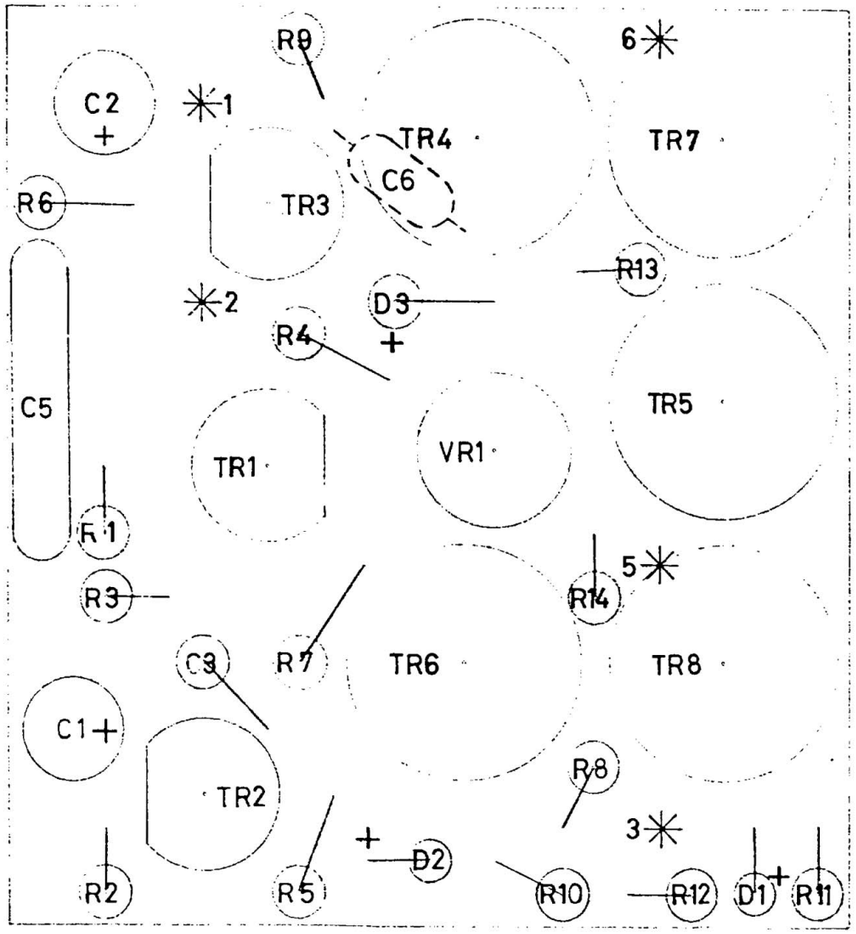
NOTE:- CODE R7,C4&C5 NOT USED

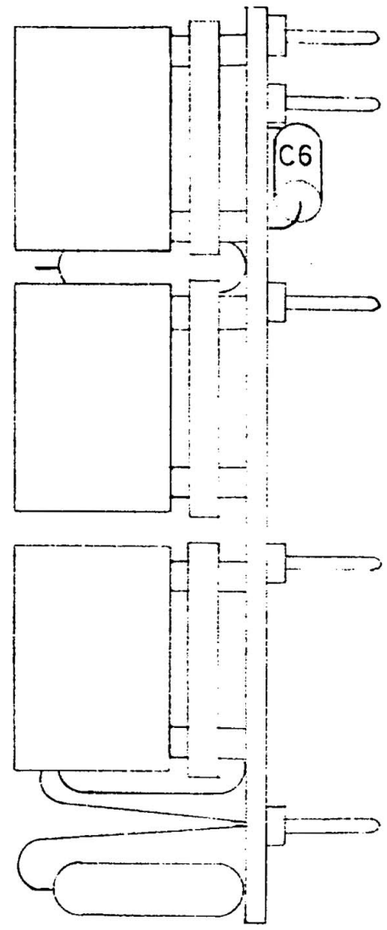
4 30/1/73 10641	5 30/4/73 10695	6 3/8/73 10743																	

The Neve Group of Companies	This drawing is the property of this company ... d may not be reproduced or disclosed to a third party without the permission of this company.	3	C/N 10625	DATE 17-5-72
TITLE BA338 PLUG IN AMP.			17-5-72	DRAWING NUMBER EX10338

DRAWING Nº EW 10340

Rupert Neve & Company Ltd. own the copyright of this drawing which is not to be copied, reproduced or disclosed. in part or whole, to a third party without written permission.





✳ CAMBION PLUGS ASSEMBLED TO DO.70/41

6	5	4	3.	ISSUE
12-1-77	23-2-76	11/4/73	31.3.72	DATE
11516	11418	10690	CN. 10566 REDRAWN	CHANGE NOTE Nº
PML.	MG	GT		CHECKED

FIRST USED ON 579

DRN. RDD

TRACED

CHECKED

MATL. ——

FINISH ——

TOL. UNLESS OTHERWISE STATED

LINEAR ±	ANGULAR	HOLES +.005 -.000
3RD ANGLE PRJ.	DIMS IN	SCALE 4:1

TITLE B340 COMPONENT ASSY.

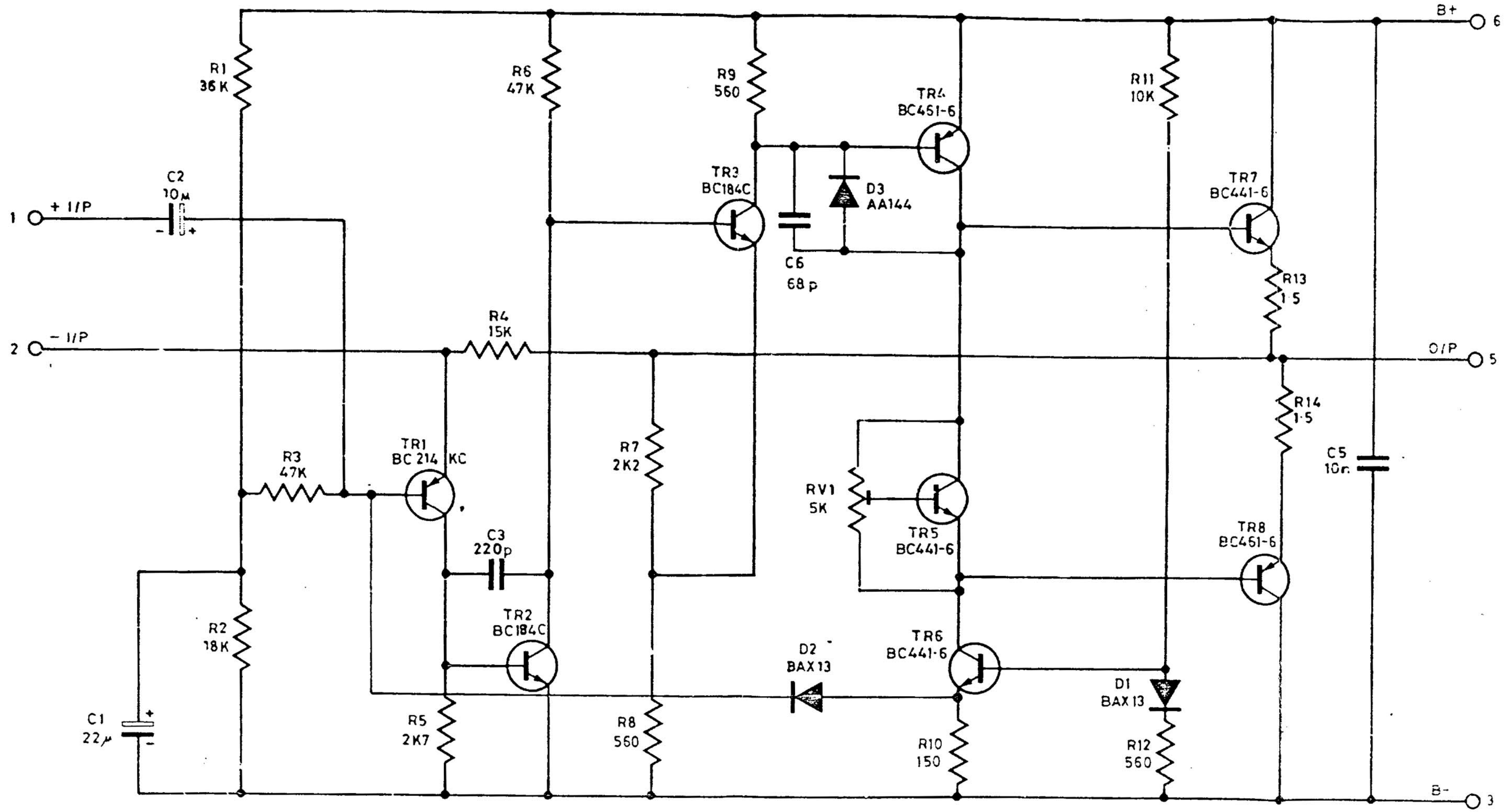
DRG. Nº EW 10340

Rupert Neve & Company Ltd. 1972 © A3

NM7827

BA340

EX10340



9	9-1-78 11418	8	19-11-76 11515	7	23-2-76 11418	6	4-1-74 10842	5	1/4/73 10690	4	27-3-73 10683

The Neve Group of Companies

TITLE BA340 - OUTPUT AMPLIFIER

This drawing is the property of this company and may not be reproduced or disclosed to a third party without the permission of this company.

3	23·11·72	10564
2	4·7·72	10545
1	28·3·72	

DATE 28-3-72

DRAWING NUMBER EX 10,340

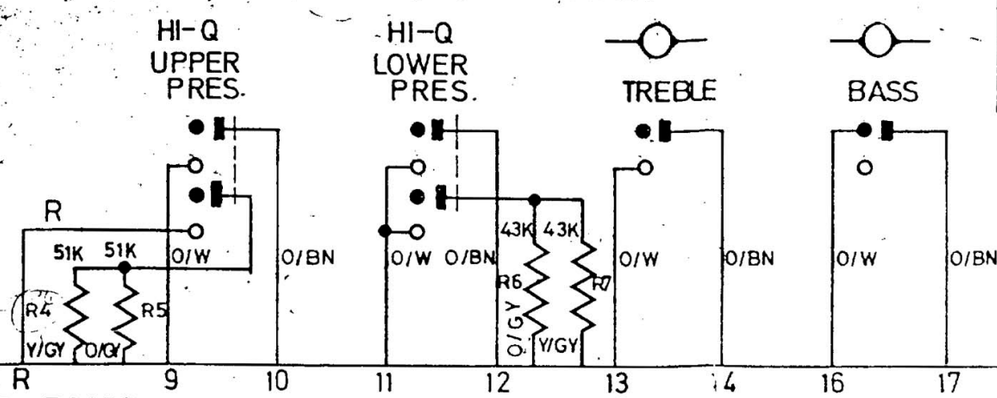
Rupert Neve & Company Ltd. own the copyright of this drawing which is not to be copied, reproduced or disclosed, in part or whole, to a third party without written permission.

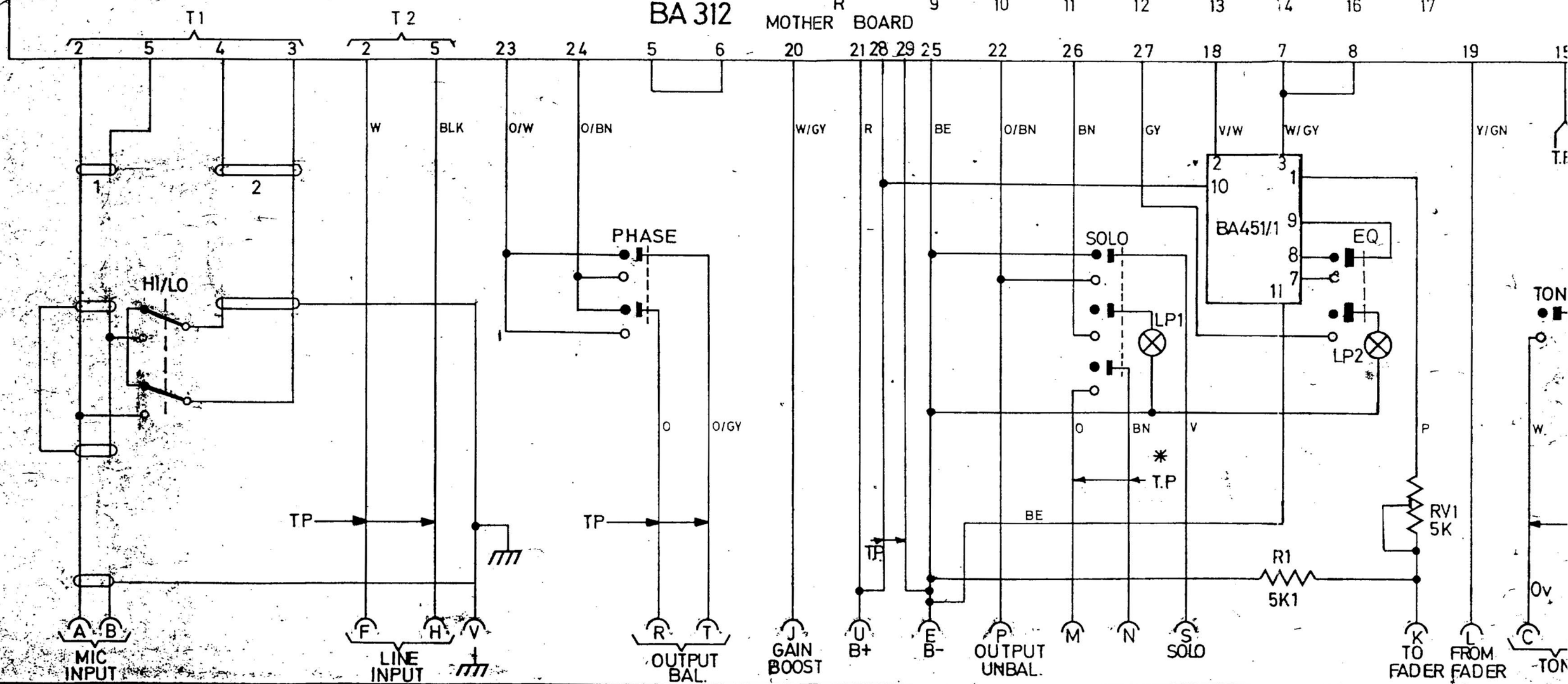
DRAWING Nº EH 10,037

9	27-2-75
10	3-4-75

SWITCH ASSEMBLIES.
SEE EX 10312 FOR FURTHER INFORMATION.

NB! CABLES MARKED THUS * TO BE RUN SEPARATE FROM, BUT ADJACENT TO, EXISTING CABLE-FORM.





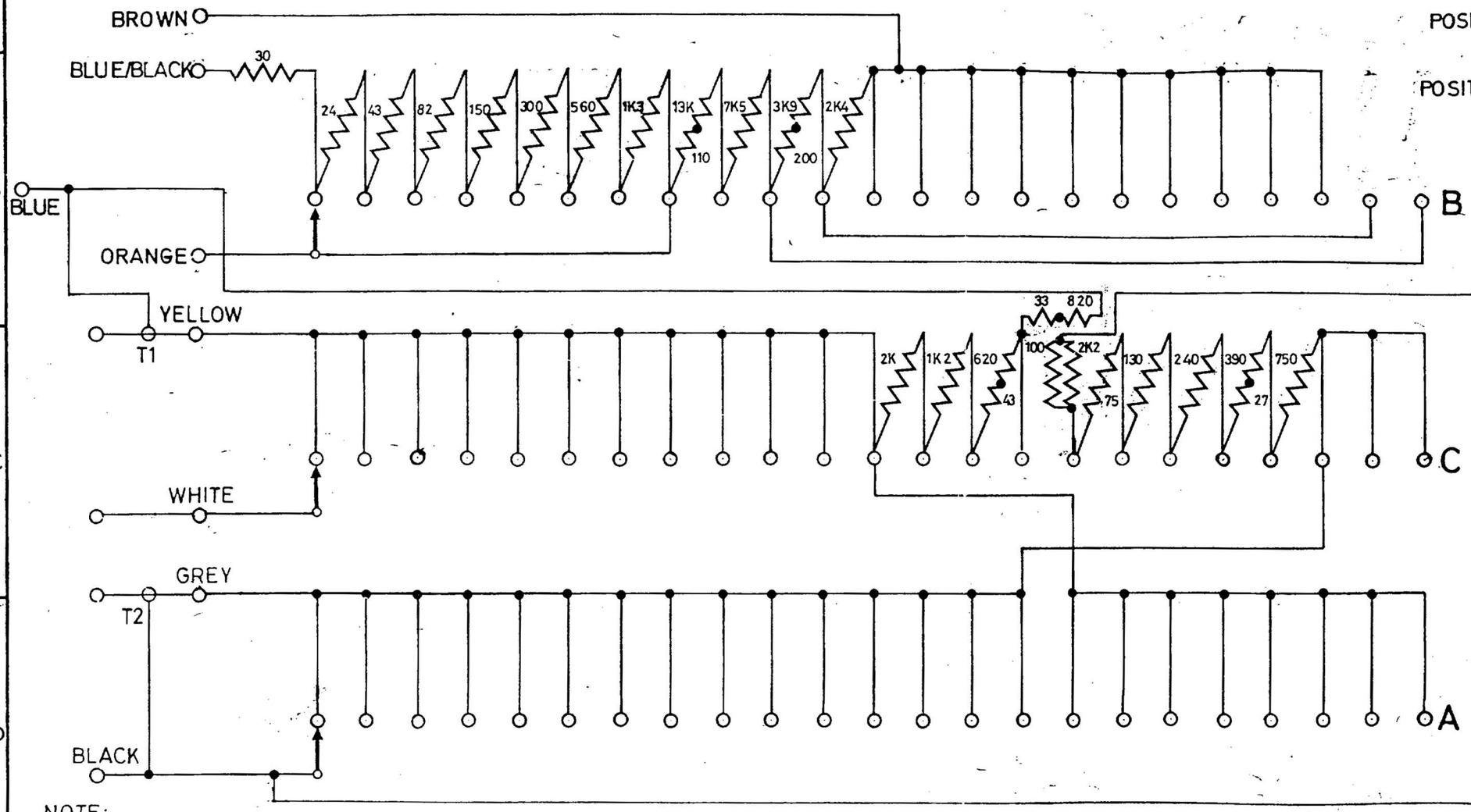
8	7	6	5	4	3	2	1	ISSUE
29.5.74	4-12-73	16-8-73	11-4-73	28-3-73	15-1-73	12/10/72	14-9-72	DATE
10917	10823	10778	10691	10681	10627	10588		CHANGE NOTE Nº

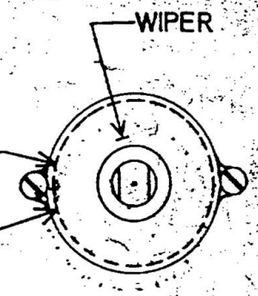
FIRST USED ON A3215	MATL. USED ON A3215 ONLY
DRN. P.F.T.	FINISH
TRACED	TITLE 1083 & 1081

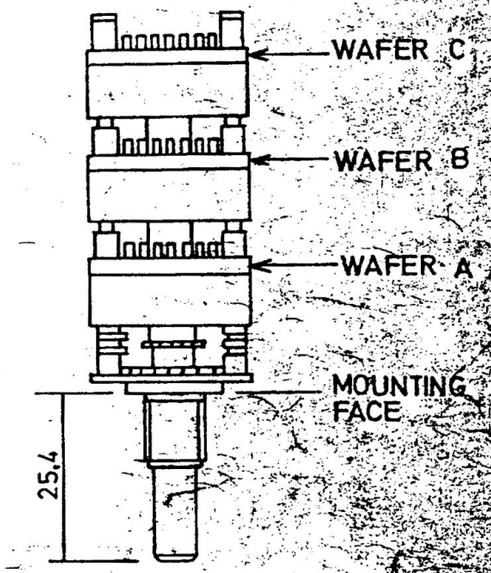
TOL. UNLESS OTHERWISE STATED
LINEAR ± | ANGULAR
3RD ANGLE PRJ. | DIMS IN
DRG. Nº

DRAWING Nº EK20046/2

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	POSITION
-80		-70		-60		-50		-40		-30		-20		-10	+15		+5		-5		-15	-20	LEVEL







ELMA 01-3 X 23

NOTE:

T1 — REFERS TO 1081 SERIES SEE RELEVANT CIRCUITS

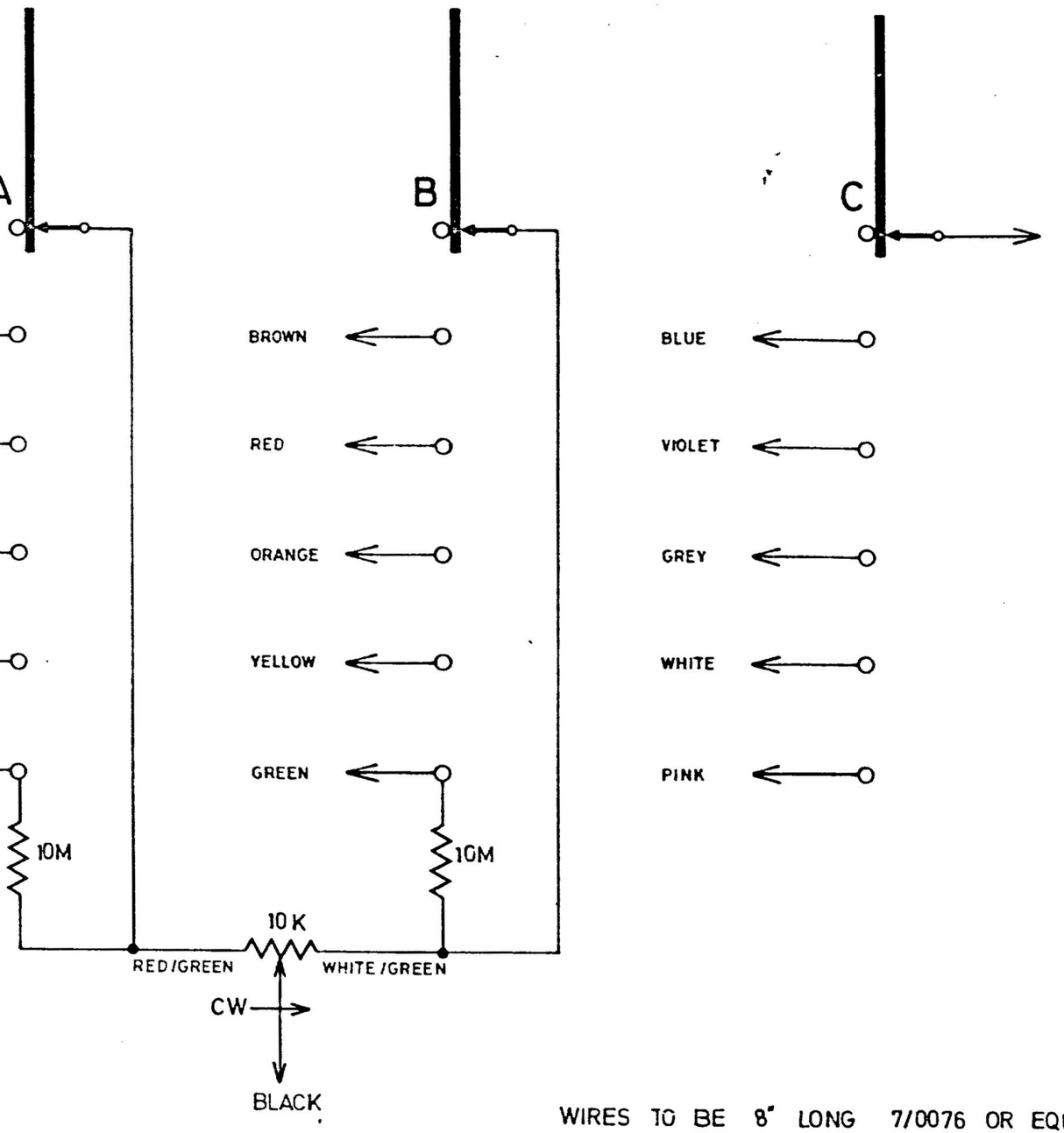
WIRES TO BE 8" LONG 7/0076 OR EQUIVALENT

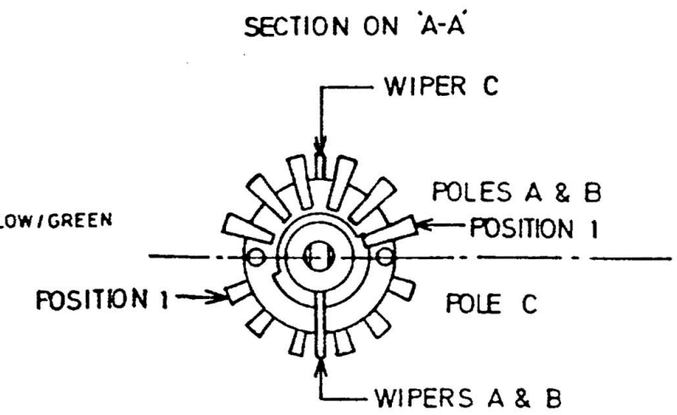
			1	ISSUE	FIRST USED ON A3215	MATL. USED ON A3215 ONLY	TOL. UNLESS OTHERWISE STATED: LINEAR ± / ANGULAR / HOLES +.005 -.000
			3-4-75	DATE	DRN. F.F.T.	FINISH	3RD ANGLE PRJ. / DIMS IN mm / SCALE
			11160	CHANGE NOTE Nº	TRACED	TITLE 1081 CHANNEL AMPLIFIER SENSITIVITY SWITCH ASSEMBLY	DRG. Nº EK20046/2
				CHECKED	CHECKED	Rupert Neve & Company Ltd	1972

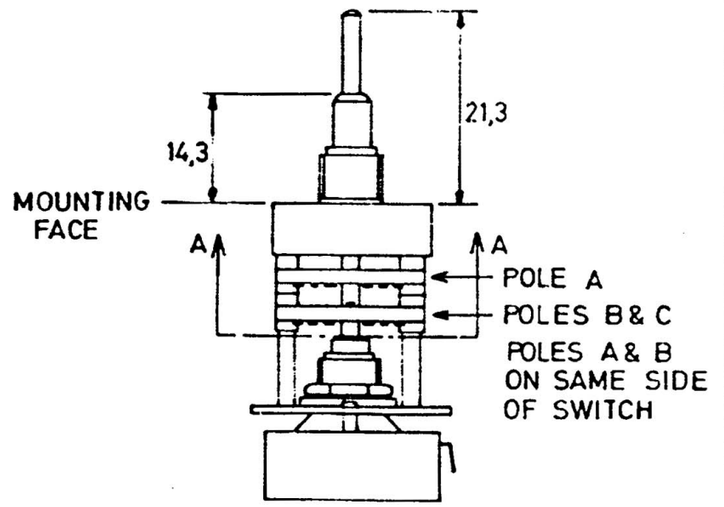
NM7827

DRAWING Nº EK 20047

		A	B	C
1	OFF			
2	15KHz	GREEN/GREY	BROWN	BLUE
3	10KHz	BROWN/GREY	RED	VIOLET
4	6K8Hz	RED/GREY	ORANGE	GREY
5	4K7Hz	ORANGE/GREY	YELLOW	WHITE
6	3K3Hz	YELLOW/GREY	GREEN	PINK







DIAMOND 'H' SWITCH
3P 6W CUMULATIVELY SHORTING
ALL CONTACTS SHORTED WHEN
IN MOST CLOCK-WISE POSITION

WIRES TO BE 8" LONG 7/0076 OR EQUIVALENT

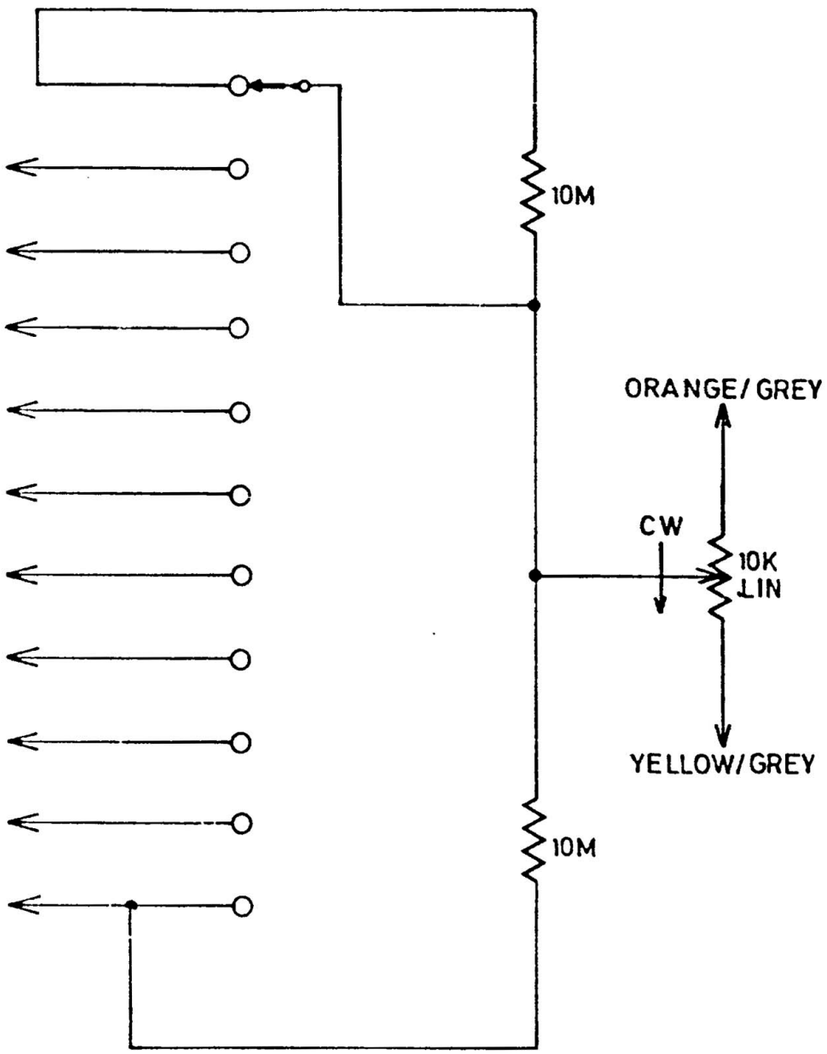
3	2	1	ISSUE
15/1/73	12/10/72	15 - 9 - 72	DATE
10627	10588		CHANGE NOTE Nº
			CHECKED

		TOL. UNLESS OTHERWISE STATED		
FIRST USED ON A599	MATL.	LINEAR ±	ANGULAR	HOLES +.005 -.000
DRN. PFT	FINISH	3RD ANGLE PRJ.	DIMS IN mm	SCALE —
TRACED	TITLE 1081 CHANNEL AMPLIFIER TREBLE SWITCH ASSEMBLY		DRG. Nº EK 20047	
CHECKED	Rupert Neve & Company Ltd.		1972 ©	A3

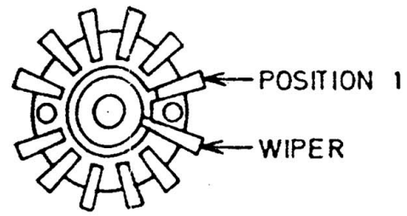
NM7827

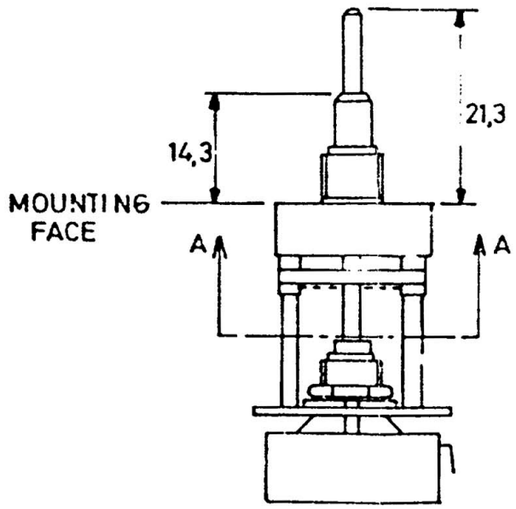
DRAWING Nº EK20048

	FREQUENCY LOWER Hz	UPPER KHz	
1	OFF	OFF	
2	220	1·5	BROWN
3	270	1·8	RED
4	330	2·2	ORANGE
5	390	2·7	YELLOW
6	470	3·3	GREEN
7	560	3·9	BLUE
8	680	4·7	VIOLET
9	820	5·6	GREY
10	1000	6·8	WHITE
11	1200	8·2	RED/BLACK



SECTION ON 'A-A'





DIAMOND 'H' SWITCH
1P 11W NON-SHORTING

ALL WIRES TO BE 8" LONG
7/0076 OR EQUIVALENT

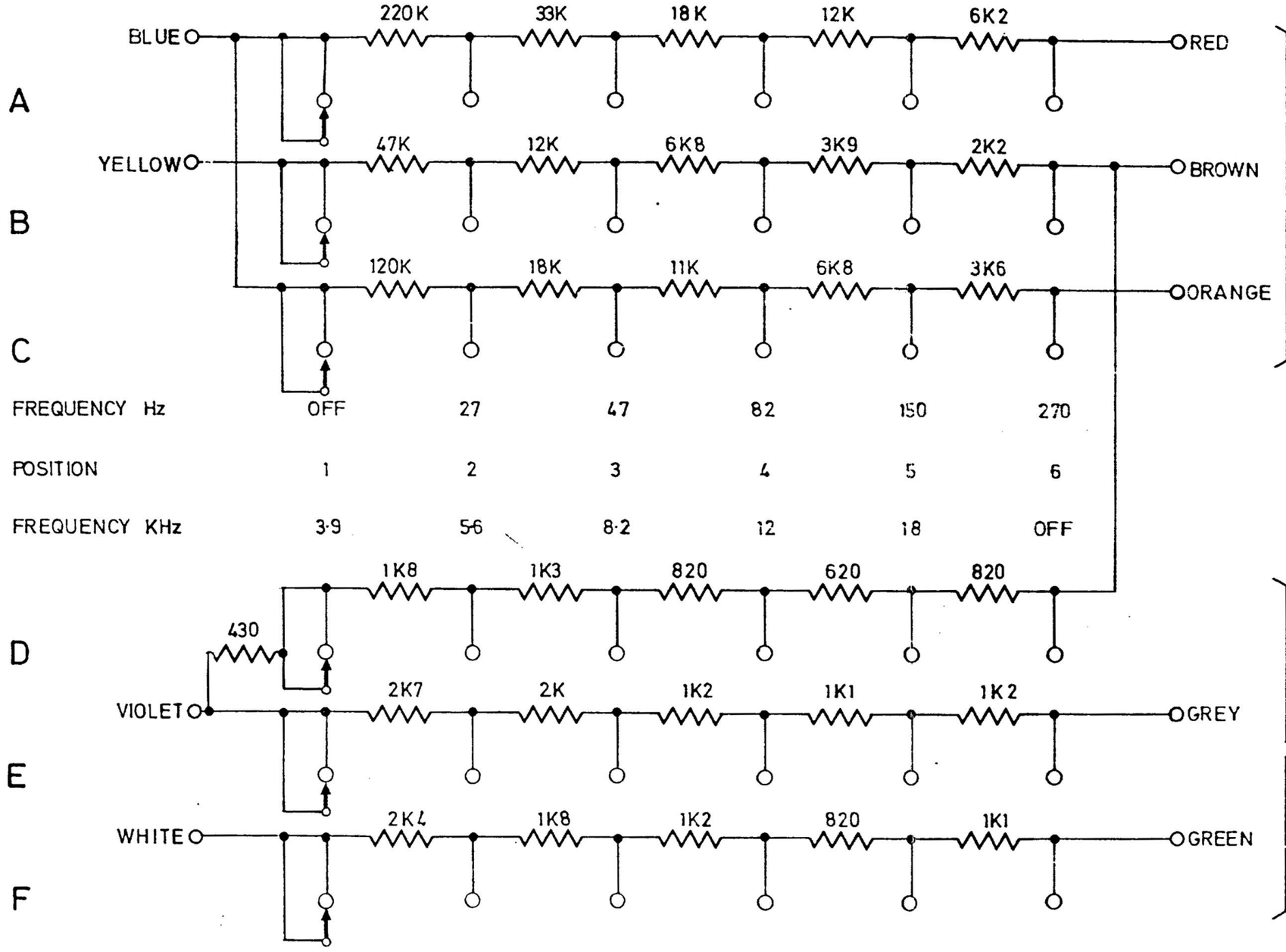
UPPER & LOWER PRESENCE SWITCHES IDENTICAL

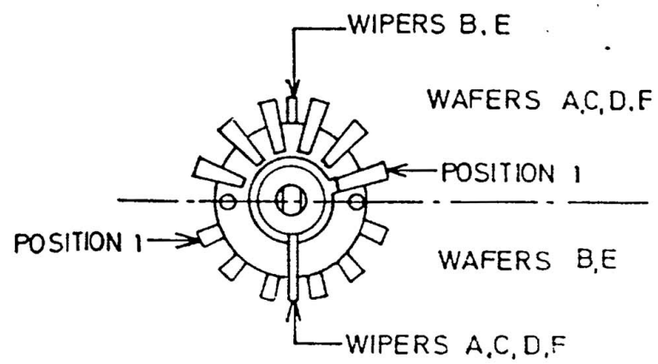
3	2	1	ISSUE
15/1/73	12/10/72	19-9-72	DATE
10627	10588		CHANGE NOTE Nº
			CHECKED

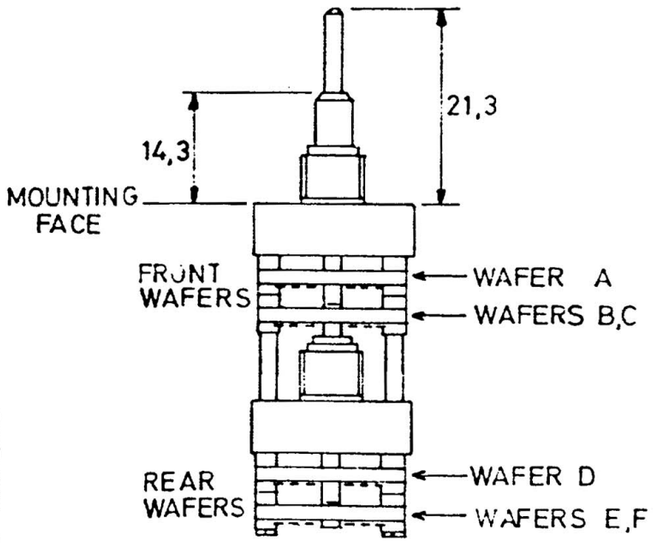
FIRST USED ON A599	MATL.	TOL UNLESS OTHERWISE STATED	
DRN. P.F.T.	FINISH	LINEAR ±	ANGULAR HOLES +.005 -.000
TRACED		3RD ANGLE PRJ	DIMS IN mm / SCALE
CHECKED	TITLE 1081 CHANNEL AMPLIFIER PRESENCE SWITCH ASSEMBLY	DRG. Nº EK20048	
Rupert Neve & Company Ltd.		19 ©	A3

NM7827

DRAWING Nº **EK 20049**







DIAMOND 'H' SWITCH
2X3P 6W DUAL CONCENTRIC

WIRES TO BE 8" LONG
7/0076 OR EQUIVALENT

3	2	1	ISSUE
15/1/73	12/10/72	18-9-72	DATE
10627	10588		CHANGE NOTE Nº
			CHECKED

FIRST USED ON A599	MATL.
DRN. PET.	FINISH
TRACED	
CHECKED	TITLE 1081 CHANNEL AMPLIFIER FILTER SWITCH ASSEMBLY

TOL UNLESS OTHERWISE STATED

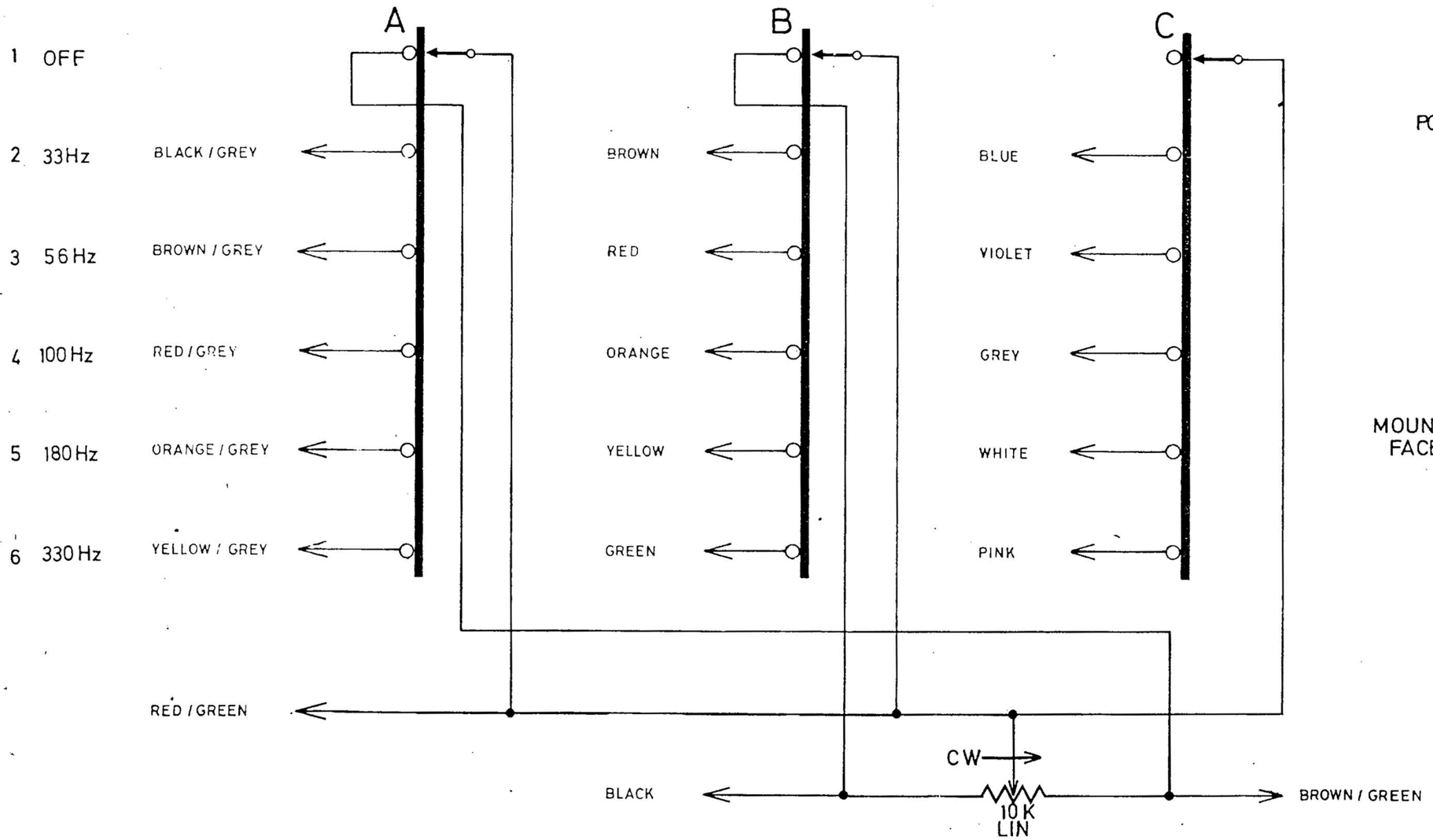
LINEAR ±	ANGULAR	HOLES +·005 −·000
3RD ANGLE PRJ	DIMS IN mm	SCALE

DRG. Nº EK20049

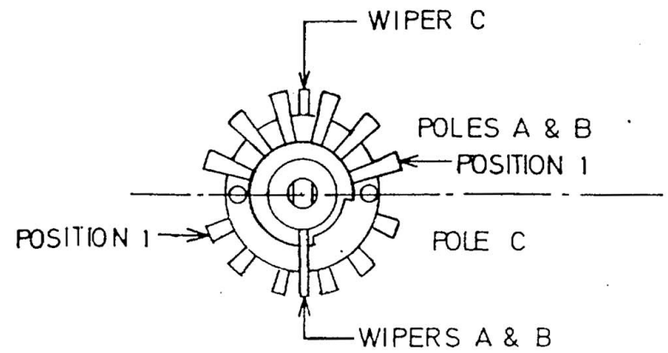
Rupert Neve & Company Ltd. 1972 © A3

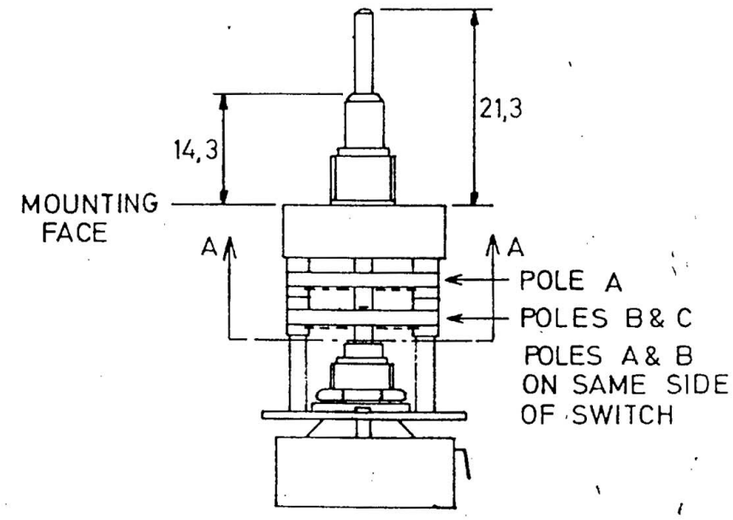
NM7827

DRAWING Nº EK20050



SECTION ON 'A-A'





DIAMOND 'H' SWITCH
3P 6W CUMULATIVELY UN-SHORTING
ALL CONTACTS SHORTED WHEN IN MOST ANTI-CLOCKWISE POSITION.

WIRES TO BE 8" LONG 7/0076 OR EQUIVALENT

3	2	1	ISSUE
15/1/73	12/10/72	18-9-72	DATE
10627	10588		CHANGE NOTE Nº
GT			CHECKED

FIRST USED ON A599	MATL.	TOL. UNLESS OTHERWISE STATED: LINEAR ± / ANGULAR / HOLES +.005 −.000
DRN. PFT	FINISH	3RD ANGLE PRJ. / DIMS IN mm / SCALE —
TRACED		
CHECKED AHL	TITLE 1081 CHANNEL AMPLIFIER BASS SWITCH ASSEMBLY	DRG. Nº EK20050
Rupert Neve & Company Ltd.		1972 © A3

NM7827