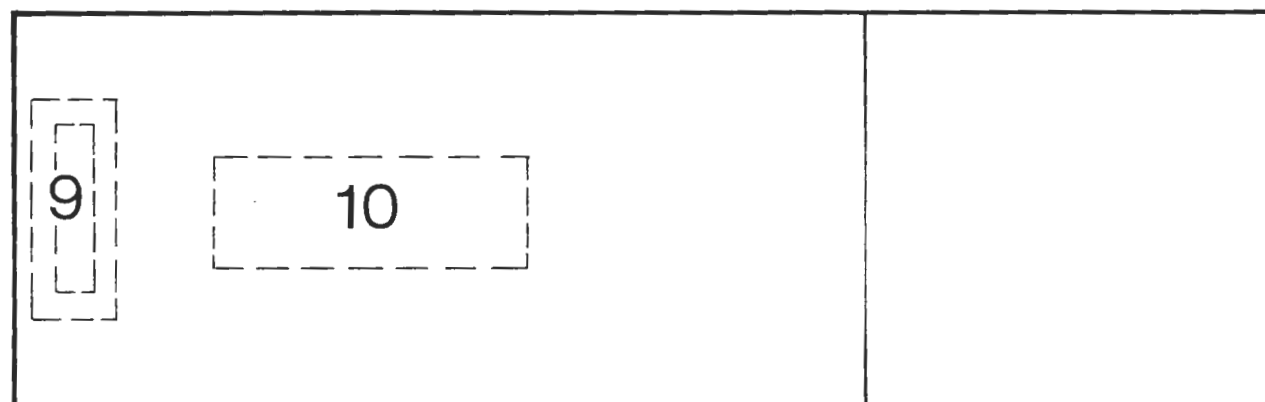
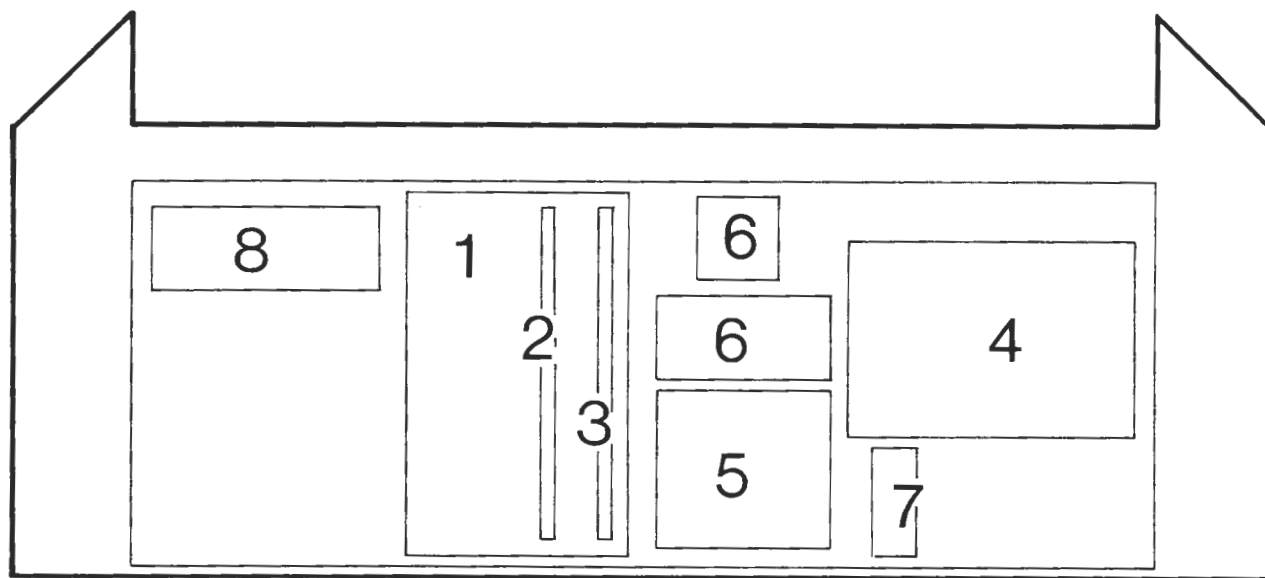
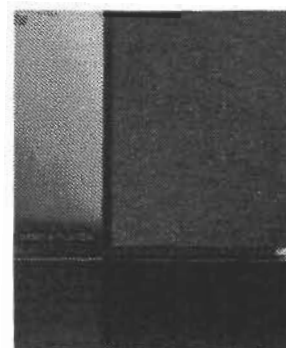
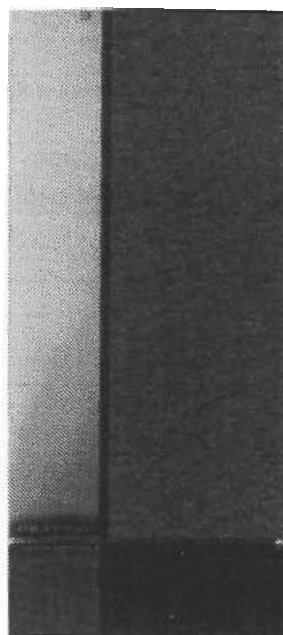


- 1 Power Supply
- 2 System Control
- 3 Microprocessor
- 4 Output Amplifier
- 5 Switch
- 6 Input Socket
- 7 NTC
- 8 Transformer
- 9 Stand by
- 10 Display
- 11 Crossover Network



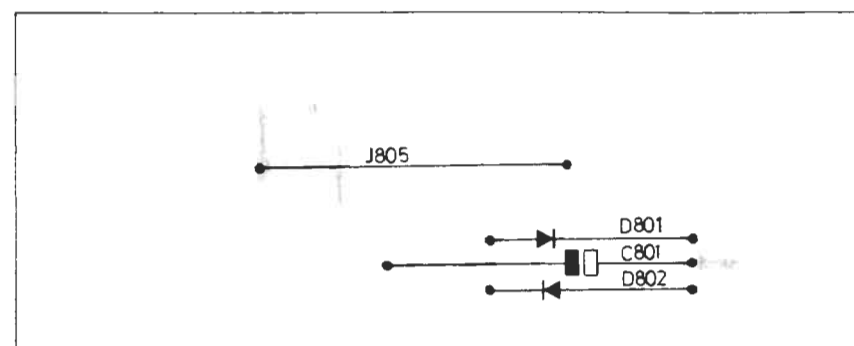
| TECHNICAL SPECIFICATIONS       |  | BEOVOX 3000                 | BEOVOX 5000                 |
|--------------------------------|--|-----------------------------|-----------------------------|
| Type                           |  | 6716                        | 6706                        |
| Dimensions W x H x D/Weight    |  | 45 x 38 x 8 cm/5 kg         | 45 x 85 x 8 cm/11 kg        |
|                                |  | BEOLAB 3000                 | BEOLAB 5000                 |
| Type                           |  | 6711-6712-6713-6714-6715    | 6701-6702-6703-6704-6705    |
| Dimensions W x H x D/Weight    |  | 45 x 54 x 8 cm/9 kg         | 45 x 101 x 8 cm/15 kg       |
| Long-term maximum input power  |  | 90 watts                    | 120 watts                   |
| Maximum noise power            |  | 45 watts                    | 60 watts                    |
| Impedance                      |  | 8 ohms                      | 8 ohms                      |
| Frequency range +4 -8 dB       |  | 75-20,000 Hz                | 60-20,000 Hz                |
| Power at 94 dB SPL             |  | 5 watts                     | 3.2 watts                   |
| Sensitivity 1 W                |  | 87 dB                       | 89 dB                       |
| Distortion 250-6000 Hz         |  | <1%                         | <0.2%                       |
| Cabinet principle              |  | Bass Reflex                 | Bass Reflex                 |
| Woofer                         |  | 5"-13 cm                    | 2 units 5"-13 cm            |
| Tweeter                        |  | 1"-2.5 cm                   | 1"-2.5 cm                   |
| Crossover frequency            |  | 3500 Hz                     | 3500 Hz                     |
| Net. volume                    |  | 5.4 litres                  | 14 litres                   |
|                                |  | POWER AMPLIFIER             |                             |
| Long-term maximum output power |  | 90 watts                    | 90 watts                    |
| Harmonic distortion THD        |  | <0.1%/55 watts 20-20,000 Hz | <0.1%/55 watts 20-20,000 Hz |
| Frequency range +0 -1 dB       |  | 40-20,000 Hz                | 40-20,000 Hz                |
| Signal-to-noise ratio:         |  |                             |                             |
| A-weighted 1W                  |  | >80 dB                      | >80 dB                      |
| A-weighted max. power          |  | >97 dB                      | >97 dB                      |
| Input sensitivity/impedance:   |  |                             |                             |
| Power Link sockets             |  | 1 V/47 kohms                | 1 V/47 kohms                |
| Power Link channel separation  |  | >66 dB                      | >66 dB                      |
| Speaker Link socket            |  | 11.3 - 16 - 22 V/>47 kohms  | 11.3 - 16 - 22 V/>47 kohms  |
| Phono plug                     |  | 1 V/33 kohms                | 1 V/33 kohms                |
| Dynamic Bass Equalizer         |  | 4-0 dB                      | 4-0 dB                      |
| Channel switch                 |  | L-R                         | L-R                         |
| Stand by function              |  | Automatic or Manual ON-OFF  | Automatic or Manual ON-OFF  |
| Power supply                   |  | 220 (100-120-240) volts     | 220 (100-120-240) volts     |
| Power consumption              |  | Max. 130 watts              | Max. 130 watts              |
| Stand by                       |  | 2.6 watts                   | 2.6 watts                   |

Subject to change without notice

### Wiring of Mains Transformer

#### 220V

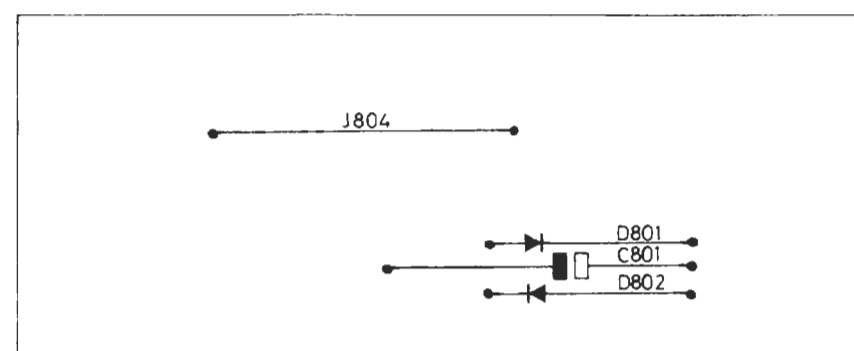
Type 6701-6711



#### 240V

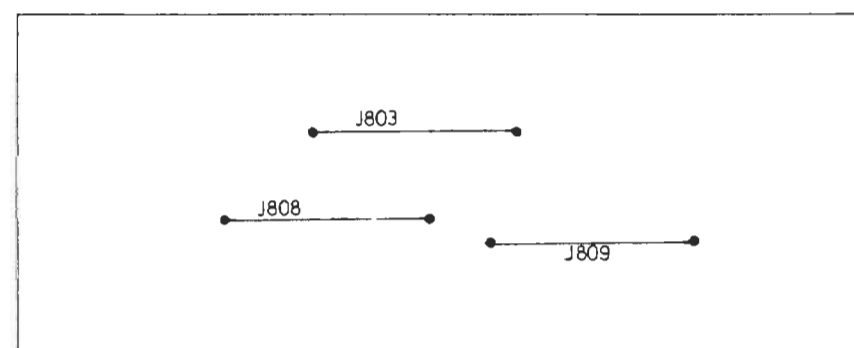
Type 6702-6712 (GB)

Type 6705-6715 (AUS)



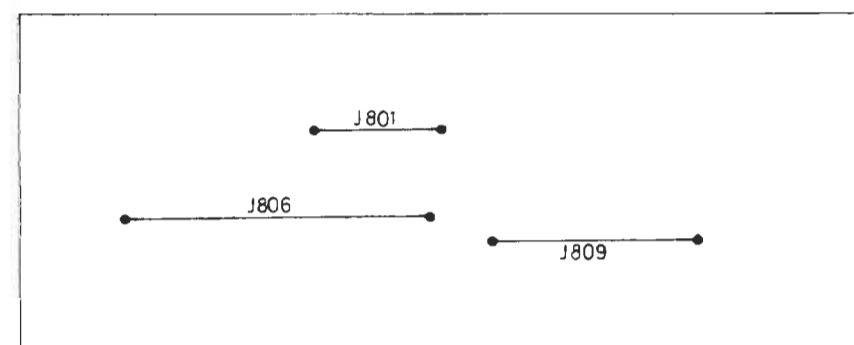
#### 120V

Type 6703-6713 (US)



#### 100V

Type 6704-6714 (JAP)



### DIAGRAMFORKLARING

På diagrammerne er der angivet typenumre på transistorer og IC'er. Hvis positionsnummeret er efterfulgt af en stjerne, skal reservedelsnummeret altid benyttes, da denne komponent er specielt udvalgt, f.eks. TR102\*.

#### Styrekredsløb

I visse styrekredsløb er den aktive tilstand angivet med en funktions- eller bogstavsangivelse. Denne kan eksempelvis være ST.BY. = »low« i stand-by-stilling eller ST.BY. = »high« i stand-by-stilling.

#### Forsyningsspændinger

Alle forsyningsspændinger i diagrammerne er angivet med en pil og en spændingsangivelse.

#### Eksempel:

Ved siden af spændingsangivelsen står der f.eks. 7 CON. Dette betyder, at den pågældende forsyningsspænding går til 7 steder på den pågældende diagramside (7 CON. = 7 connections).

### SYMBOL FOR SIKKERHEDSKOMPONENTER



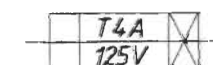
Ved udskiftning af komponenter med dette symbol skal der anvendes komponenter med samme reservedelsnummer. Den nye komponent skal monteres på samme måde som den udskiftede.

#### MÅLEBETINGELSER

Alle DC-spændinger er målt i forhold til stel med et voltmeter med en indgangsmodstand på 10 Mohm.

DC-spændingerne er opgivet i volt (V), f.eks. 0,7 V.

### EXPLANATION DE SYMBOLES DU FUSIBLE UTILISES DANS L'APPAREIL



Remplacer par un fusible retardé de la même type et de 4 ampères 125 volts.

### EXPLANATION OF DIAGRAM

Type numbers of transistors and ICs are indicated on the diagrams. If the position number is followed by an asterisk the spare part number must always be used because the component in question has been specially selected, e.g. TR102\*.

#### Control Circuit

In certain control circuits the active mode is indicated by a function term or by an abbreviation. This may be e.g. ST.BY. = low in the stand-by mode or ST.BY. = high in the stand-by mode.

#### Supply Voltages

All supply voltages in the diagrams are indicated by an arrow and a voltage indication.

#### Example:

"7 CON.". This means that the supply voltage in question goes to 7 different places on the diagram page in question (7 CON. = 7 connections).

### SYMBOL OF SAFETY COMPONENTS



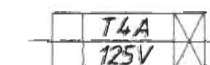
When replacing components with this symbol, components with identical part numbers must be used. The new component must be mounted in the same way as the one replaced.

#### MEASURING CONDITIONS

All DC voltages have been measured in relation to ground with a voltmeter with an input resistance of 10 Mohms.

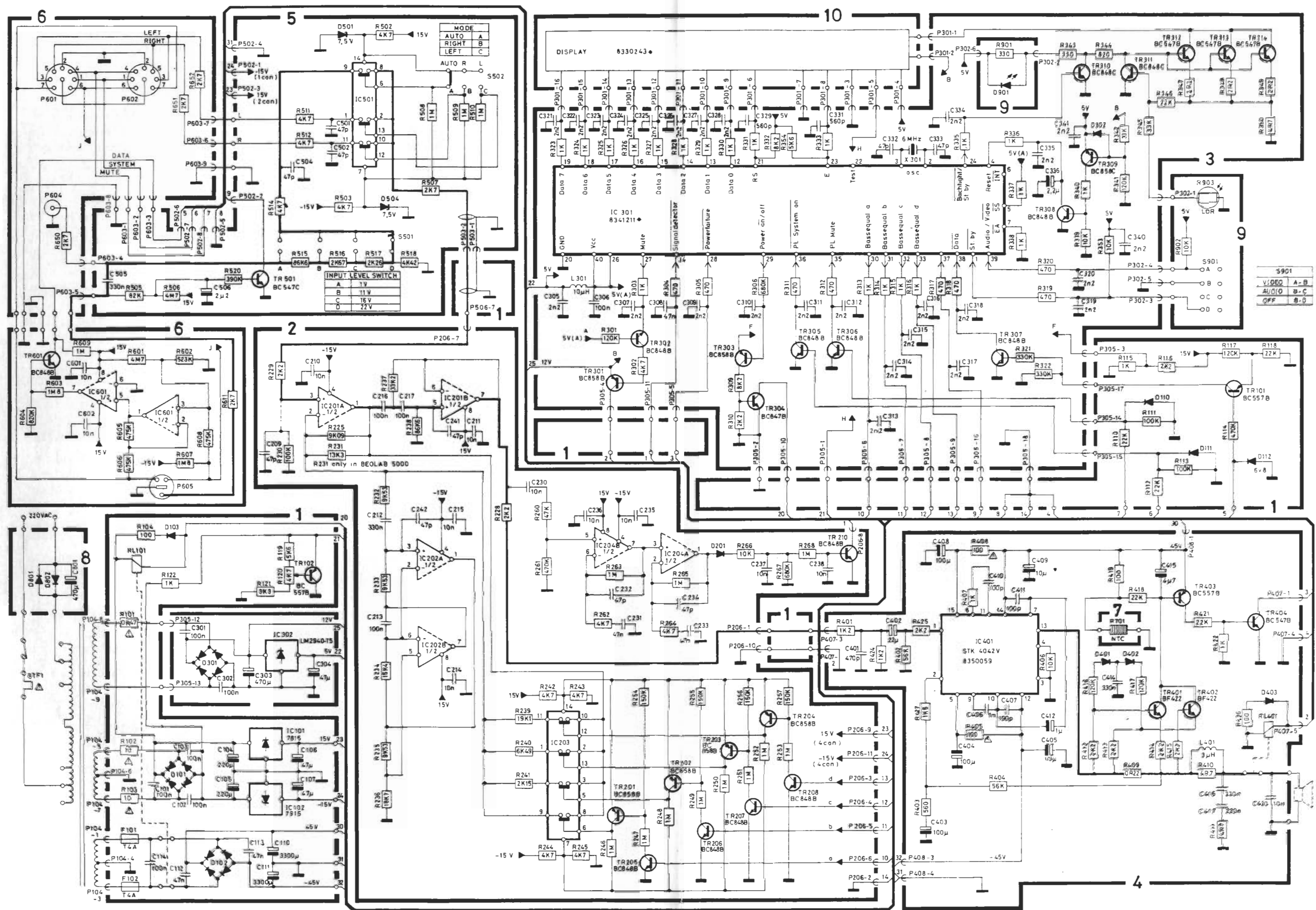
The DC voltages are stated in volts (V), e.g. 0,7 V.

### EXPLANATION OF THE FUSE SYMBOLS USED IN THE SET

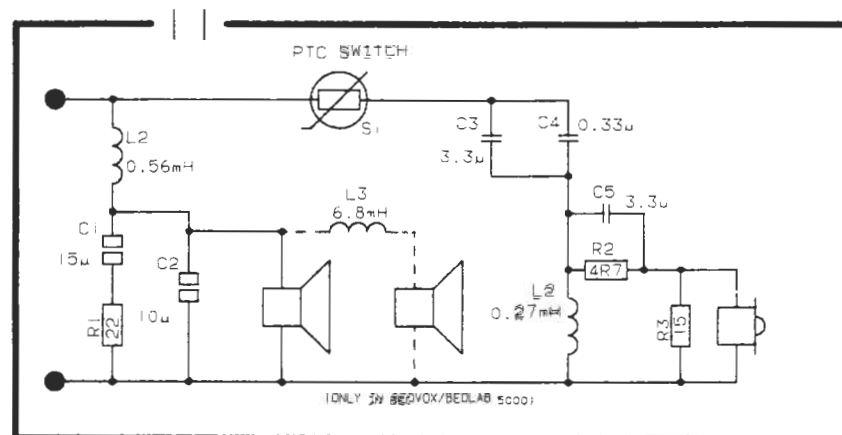


Replace with the same type of 4 amperes 125 volts slow acting fuse.

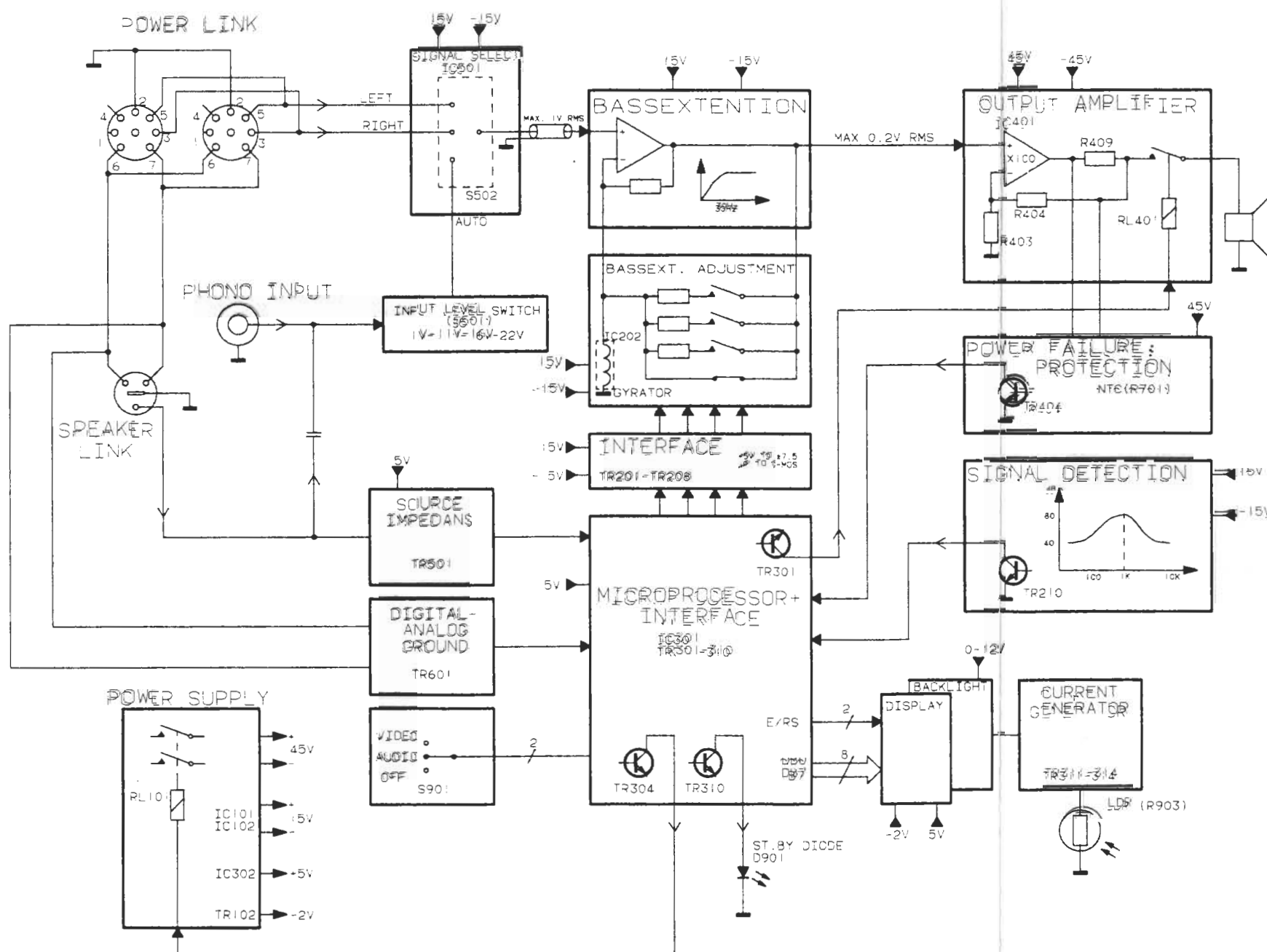
**DIAGRAM**



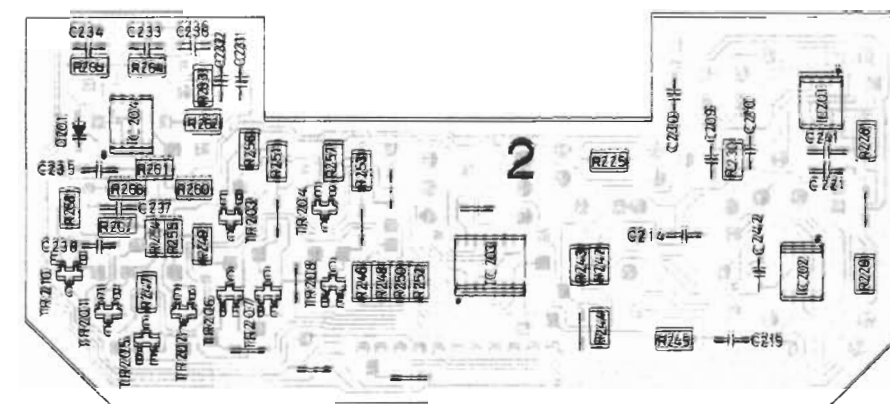
Crossover network



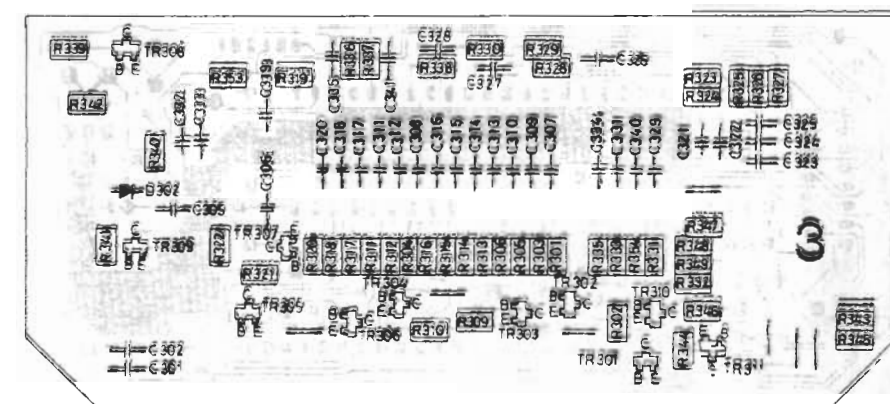
Blockdiagram



PCB2, System Control



PCB3, Microprocessor



## LIST OF ELECTRICAL PARTS

|     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 20  | 49  | 51  | 102 | 105 | 123 | 136 | 138 |
|     |     |     |     |     |     |     |     |
| 206 | 209 | 250 |     |     |     |     |     |
|     |     |     |     |     |     |     |     |

Resistors not referred to are standard, see page 3-2

## PCB 1, 8001037 Power Supply

|           |         |                                |              |          |         |              |          |
|-----------|---------|--------------------------------|--------------|----------|---------|--------------|----------|
| IC101     | 8340064 | 105                            | LM 340T-15   |          |         |              |          |
| IC102     | 8340240 | 123                            | MC 7915 CT   |          |         |              |          |
| TR101-102 | 8320503 | 20                             | BC 557B      |          |         |              |          |
| D101      | 8300466 |                                | B125 C1500   | D110-    | 8300058 | 209          | 1N 4148  |
| D102      | 8300487 |                                | KBU 6D       | D111     |         |              |          |
| D103      | 8300058 | 209                            | 1N 4148      | D112     | 8300154 | 209          | ZPD 6.8V |
| R101      | 5020684 | 0.47 $\Omega$                  | 10% 0.4W     |          |         |              |          |
| R102-103  | 5020489 | 10 $\Omega$                    | 10% 0.3W     |          |         |              |          |
| R120      | 5370324 | 4.7 k $\Omega$                 | 20% 0.1W     |          |         |              |          |
| C101-103  | 4130230 | 100 nF                         | 20% 63V      | C110-111 | 4200799 | 3300 $\mu$ F | 20% 50V  |
| C104-105  | 4200311 | 220 $\mu$ F                    | -10+100% 40V | C112-113 | 4130087 | 47 nF        | 10% 250V |
| C106-107  | 4201087 | 47 $\mu$ F                     | -10+100% 40V | C114     | 4130103 | 100 nF       | 20% 250V |
| RL101     | 7600069 | Relay                          | 24V          |          |         |              |          |
| F101-102  | 6600068 | Fuse 4AT f/6701-02-05-11-12-15 |              |          |         |              |          |
| F101-102  | 6600094 | Fuse 4AT f/6703-04-13-14       |              |          |         |              |          |
|           | 7200085 | Socket                         |              |          |         |              |          |
| P104      | 7220743 | Plug 9/8 pole                  |              |          |         |              |          |
| P105      | 7220321 | Plug 18/18 pole                |              |          |         |              |          |
| P106      | 7220250 | Plug 11/11 pole                |              |          |         |              |          |

## PCB 2, 8001033 System Control

|           |         |                 |         |       |         |                 |         |
|-----------|---------|-----------------|---------|-------|---------|-----------------|---------|
| IC201-202 | 8341022 | 138             | 4558    | IC203 | 8341024 | 138             | 4066    |
|           |         |                 |         | IC204 | 8341022 | 138             | 4558    |
| TR201-204 | 8320616 | 51              | BC 858B | TR210 | 8320615 | 51              | BC 848B |
| TR205-208 | 8320615 | 51              | BC 848B |       |         |                 |         |
| D201      | 8300482 | 250             | LL 4148 |       |         |                 |         |
| R225      | 5021023 | 9.09 k $\Omega$ | 1% 1/4W | R236  | 5020034 | 18.7 k $\Omega$ | 1% 1/4W |
| R231      | 5020095 | 13.3 k $\Omega$ | 1% 1/4W | R237  | 5020083 | 33.2 k $\Omega$ | 1% 1/4W |
| R232-233  | 5020229 | 9.53 k $\Omega$ | 1% 1/4W | R238  | 5020099 | 86.6 k $\Omega$ | 1% 1/4W |
| R234      | 5020343 | 15.4 k $\Omega$ | 1% 1/4W | R239  | 5020337 | 19.1 k $\Omega$ | 1% 1/4W |
| R235      | 5020229 | 9.53 k $\Omega$ | 1% 1/4W | R240  | 5020590 | 6.49 k $\Omega$ | 1% 1/4W |
|           |         |                 |         | R241  | 5020764 | 2.15 k $\Omega$ | 1% 1/4W |

|          |         |        |             |          |         |       |             |
|----------|---------|--------|-------------|----------|---------|-------|-------------|
| C209     | 4000293 | 47 pF  | 5% 50V      | C230     | 4010176 | 10 nF | -20+80% 50V |
| C210-211 | 4010176 | 10 nF  | -20+80% 50V | C231     | 4010209 | 47 nF | 10% 50V     |
| C212     | 4130309 | 330 nF | 10% 63V     | C232     | 4000293 | 47 pF | 5% 50V      |
| C213     | 4130261 | 100 nF | 5% 63V      | C233     | 4010209 | 47 nF | 10% 50V     |
| C214-215 | 4010176 | 10 nF  | -20-80% 50V | C234     | 4000293 | 47 pF | 5% 50V      |
| C216-217 | 4130261 | 100 nF | 5% 63V      | C235-238 | 4010176 | 10 nF | -20+80% 50V |
|          |         |        |             | C241-242 | 4000293 | 47 pF | 5% 50V      |

## PCB 3, 8001032 Microprocessor

|                 |         |               |                |           |         |              |             |
|-----------------|---------|---------------|----------------|-----------|---------|--------------|-------------|
| IC301* $\Delta$ | 8341211 | 136           | 80C50 Screen   | IC302     | 8341163 | 105          | LM 2940CT-5 |
|                 | 3302423 |               |                |           |         |              |             |
| TR301           | 8320616 | 51            | BC 858B        | TR309     | 8320778 | 51           | BC 858C     |
| TR302           | 8320615 | 51            | BC 848B        | TR310-311 | 8320747 | 51           | BC 848C     |
| TR303           | 8320616 | 51            | BC 858B        | TR312-314 | 8320497 | 20           | BC 547B     |
| TR304           | 8320755 | 51            | BC 847B        |           |         |              |             |
| TR305-308       | 8320615 | 51            | BC 848B        |           |         |              |             |
| D301            | 8300466 |               | B125 C1500     |           |         |              |             |
| D302            | 8300482 | 250           | LL 4148        |           |         |              |             |
| C301-302        | 4010166 | 100 nF        | -20+80% 50V    | C329      | 4000325 | 560 pF       | 5% 50V      |
| C303            | 4200522 | 470 $\mu$ F   | -20+50% 16V    | C331      | 4000325 | 560 pF       | 5% 50V      |
| C304            | 4201087 | 47 $\mu$ F    | -10+100% 40V   | C332-333  | 4000293 | 47 pF        | 5% 50V      |
| C305            | 4010170 | 2.2 nF        | 10% 50V        | C334-335  | 4010170 | 2.2 nF       | 10% 50V     |
| C306            | 4010166 | 100 nF        | -20+80% 50V    | C336      | 4200517 | 2.2 $\mu$ F  | 20% 50V     |
| C307            | 4010170 | 2.2 nF        | 10% 50V        | C340-341  | 4010170 | 2.2 nF       | 10% 50V     |
| C308            | 4010209 | 47 nF         | 10% 50V        |           |         |              |             |
| C309-328        | 4010170 | 2.2 nF        | 10% 50V        |           |         |              |             |
| L301            | 8020552 | Coil          | 10 $\mu$ H 10% |           |         |              |             |
| X301            | 8090009 | Crystal       | 6.0 MHz        |           |         |              |             |
| P301            | 7210723 | Socket        | 16 pole        | P305      | 7210110 | Socket       | 11/11 pole  |
| P302            | 7220470 | Plug          | 6 pole         | P315      | 7210289 | Socket       | 7/7 pole    |
| IC401           | 8350059 |               | STK4042V       |           |         |              |             |
| TR401-402       | 8320505 | 49            | BF 422         | TR403     | 8320503 | 20           | BC 557B     |
|                 |         |               |                | TR404     | 8320497 | 20           | BC 547B     |
| D401-403        | 8300058 | 209           | 1N 4148        |           |         |              |             |
| R405            | 5020159 | 100 $\Omega$  | 10% 0.3W       | R410-411  | 5010765 | 4.7 $\Omega$ | 5% 1/2W     |
| R408            | 5020159 | 100 $\Omega$  | 10% 0.3W       |           |         |              |             |
| R409            | 5100302 | 0.22 $\Omega$ | 10% 2W         |           |         |              |             |

## PCB 4, 8001034 Output Amplifier

|       |         |             |              |          |         |             |          |
|-------|---------|-------------|--------------|----------|---------|-------------|----------|
| C401  | 4010128 | 470 pF      | 10% 63V      | C410     | 4000243 | 100 pF      | 5% 63V   |
| C402  | 4200672 | 22 $\mu$ F  | 20% 16V      | C411     | 4000292 | 100 pF      | 5% 50V   |
| C403  | 4200129 | 100 $\mu$ F | -20+50% 16V  | C412     | 4200512 | 1 $\mu$ F   | 20% 50V  |
| C404  | 4200368 | 100 $\mu$ F | -10+100% 63V | C414     | 4130236 | 330 nF      | 20% 63V  |
| C405  | 4000342 | 10 $\mu$ F  | -10+50% 63V  | C415     | 4200515 | 4.7 $\mu$ F | 20% 25V  |
| C406  | 4010132 | 1 nF        | 10% 50V      | C416-417 | 4130233 | 220 nF      | 20% 63V  |
| C407  | 4000292 | 100 pF      | 5% 50V       | C420     | 4130109 | 10 nF       | 10% 250V |
| C408  | 4200368 | 100 $\mu$ F | -10+100% 63V |          |         |             |          |
| C409  | 4200342 | 10 $\mu$ F  | -10+50% 63V  |          |         |             |          |
| L401  | 6850165 | Coil        | 3 $\mu$ H    |          |         |             |          |
| RL401 | 7600095 | Relay       | 12V          |          |         |             |          |
| P407  | 7220469 | Plug        | 5 pole       | P408     | 7220793 | Plug        | 4/3 pole |

 $\Delta$ Indicates that static electricity may destroy the component

\*Specially selected or adapted sample

PCB 5, 8001039 Switch

|                                                           |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| IC501Δ 8340202 102 MC 14066 BCP                           |  |  |  |  |  |  |  |  |  |  |  |
| TR501 8320679 20 BC 548C                                  |  |  |  |  |  |  |  |  |  |  |  |
| D501 8300496 209 ZPD 7.5V D504 8300496 209 ZPD 7.5V       |  |  |  |  |  |  |  |  |  |  |  |
| R515 5020099 86.6 kΩ 1% 1/4W R517 5020923 2.26 kΩ 1% 1/4W |  |  |  |  |  |  |  |  |  |  |  |
| R516 5020203 2.67 kΩ 1% 1/4W R518 5020770 4.42 kΩ 1% 1/4W |  |  |  |  |  |  |  |  |  |  |  |
| C501- 4000137 47 pF 5% 63V C505 4130309 330 nF 10% 63V    |  |  |  |  |  |  |  |  |  |  |  |
| 502 5010925 2.2 μF 20% 50V C506 4200847 2.2 μF 20% 50V    |  |  |  |  |  |  |  |  |  |  |  |
| C504 4000137 47 pF 5% 63V                                 |  |  |  |  |  |  |  |  |  |  |  |
| S501 7400371 Switch S502 7400372 Switch                   |  |  |  |  |  |  |  |  |  |  |  |
| P502 7220700 Plug 8 pole P503 7220134 Plug 2/2 pole       |  |  |  |  |  |  |  |  |  |  |  |

PCB 6, 8001041 Input Socket

|                                                         |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| IC601 8340996 138 LM 1458                               |  |  |  |  |  |  |  |  |  |  |  |
| TR601 8320615 51 BC 848B                                |  |  |  |  |  |  |  |  |  |  |  |
| R602 5011733 523 kΩ 1% 1/8W R608 5011732 475 kΩ 1% 1/8W |  |  |  |  |  |  |  |  |  |  |  |
| R605 5011732 475 kΩ 1% 1/8W                             |  |  |  |  |  |  |  |  |  |  |  |
| C601- 4010176 10 nF -20+80% 50V 602                     |  |  |  |  |  |  |  |  |  |  |  |
| P601- 7210695 DIN-socket 8 pole P604 7210306 Phonsocket |  |  |  |  |  |  |  |  |  |  |  |
| P602 7220702 Plug 9 pole P605 7210521 Loudspeakersocket |  |  |  |  |  |  |  |  |  |  |  |
| P603 7220702 Plug 9 pole 4 pole                         |  |  |  |  |  |  |  |  |  |  |  |

PCB 7, 8001038 NTC

|                                  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| R701 5220036 NTC 330 kΩ 10% 1/2W |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|

PCB 8, 8013445 Transformer

|                                                         |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| D801- 8300023 209 1N 4002 802                           |  |  |  |  |  |  |  |  |  |  |  |
| C801 4200677 470 μF -10+50% 6.3V                        |  |  |  |  |  |  |  |  |  |  |  |
| 7530101 Contact pin                                     |  |  |  |  |  |  |  |  |  |  |  |
| TF1 6609034 Thermofuse 6609024 Thermofuse only f/Canada |  |  |  |  |  |  |  |  |  |  |  |

PCB 9, 8001067 Stand by

|                                   |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| D901 8330001 206 CQV 10-5 LED red |  |  |  |  |  |  |  |  |  |  |  |
| R903 5210006 LDR 3.3 kΩ 33%       |  |  |  |  |  |  |  |  |  |  |  |

PCB 10, 8330243 Display

|                                                     |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| R1 5100368 22 Ω 5% 6W R3 5100349 15 Ω 5% 3W         |  |  |  |  |  |  |  |  |  |  |  |
| R2 5100350 4.7 Ω 5% 3W                              |  |  |  |  |  |  |  |  |  |  |  |
| C1 4200679 15 μF 10% 35V C4 4130426 0.33 μF 5% 100V |  |  |  |  |  |  |  |  |  |  |  |
| C2 4200687 10 μF 10% 35V C5 4130425 3.3 μF 5% 100V  |  |  |  |  |  |  |  |  |  |  |  |
| C3 4130425 3.3 μF 5% 100V                           |  |  |  |  |  |  |  |  |  |  |  |
| S1 6609027 PTC switch                               |  |  |  |  |  |  |  |  |  |  |  |
| 7500124 Contact pin                                 |  |  |  |  |  |  |  |  |  |  |  |

ΔIndicates that static electricity may destroy the component

Standard Resistors:  
Resistors 5% 1/4 W

|     | x1      | x10     | x100    | x1K     | x10K    | x100K   | x1M     | x10M    |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.0 | 5010506 | 5010506 | 5010065 | 5010040 | 5010059 | 5010049 | 5010054 | 5010058 |
| 1.2 | 5010595 | 5010595 | 5010128 | 5010153 | 5010040 | 5010047 | 5010089 |         |
| 1.5 | 5011348 | 5010468 | 5010057 | 5010247 | 5010053 | 5010063 | 5010093 |         |
| 1.8 | 5010822 | 5010822 | 5010362 | 5010000 | 5010135 | 5010072 | 5010791 |         |
| 2.2 | 5010682 | 5010448 | 5010092 | 5010064 | 5010079 | 5010120 | 5010245 |         |
| 2.7 | 5010925 | 5010403 | 5010000 | 5010298 | 5010141 | 5010083 | 5010431 |         |
| 3.3 | 5010253 | 5010253 | 5010044 | 5010076 | 5010075 | 5010117 | 5010848 |         |
| 3.9 | 5010622 | 5010622 | 5010070 | 5010069 | 5010060 | 5010073 | 5010714 |         |
| 4.7 | 5010888 | 5010411 | 5010058 | 5010048 | 5010045 | 5010077 | 5011513 |         |
| 5.6 | 5010706 | 5010151 | 5010067 | 5010041 | 5010041 | 5010071 | 5010688 |         |
| 6.8 | 5010904 | 5010039 | 5010144 | 5010052 | 5010042 | 5010074 |         |         |
| 8.2 | 5010880 | 5010056 | 5010068 | 5010154 | 5010091 | 5010505 |         |         |

Resistors 5% 1/8 W

|     | x1      | x10     | x100    | x1K     | x10K    | x100K   | x1M     | x10M |
|-----|---------|---------|---------|---------|---------|---------|---------|------|
| 1.0 | 5011464 | 5011357 | 5010816 | 5010935 | 5011440 | 5011459 | 5020875 |      |
| 1.2 | 5011351 | 5011084 | 5011442 | 5011338 | 5011341 | 5011175 |         |      |
| 1.5 | 5011463 | 5011443 | 5011178 | 5011364 | 5011398 | 5011460 |         |      |
| 1.8 | 5011632 | 5011350 | 5011361 | 5011344 | 5011468 |         |         |      |
| 2.2 | 5011376 | 5010886 | 5011353 | 5010833 | 5011369 | 5011342 |         |      |
| 2.7 | 5011471 | 5011355 | 5011362 | 5011366 | 5011370 | 5011478 |         |      |
| 3.3 | 5011337 | 5010827 | 5011346 | 5011371 | 5011482 |         |         |      |
| 3.9 | 5011438 | 5011157 | 5011457 | 5011372 | 5020876 |         |         |      |
| 4.7 | 5011363 | 5011038 | 5011441 | 5011363 | 5010937 | 5011343 | 5011611 |      |
| 5.6 | 5011412 | 5011358 | 5010885 | 5011166 | 5011340 |         |         |      |
| 6.8 | 5011356 | 5011336 | 5010839 | 5011367 | 5011458 |         |         |      |
| 8.2 | 5011466 | 5011354 | 5011339 | 5011368 | 5011373 |         |         |      |

Resistors SMD 2% 1/8 W  
SMD 5% 1/8 W

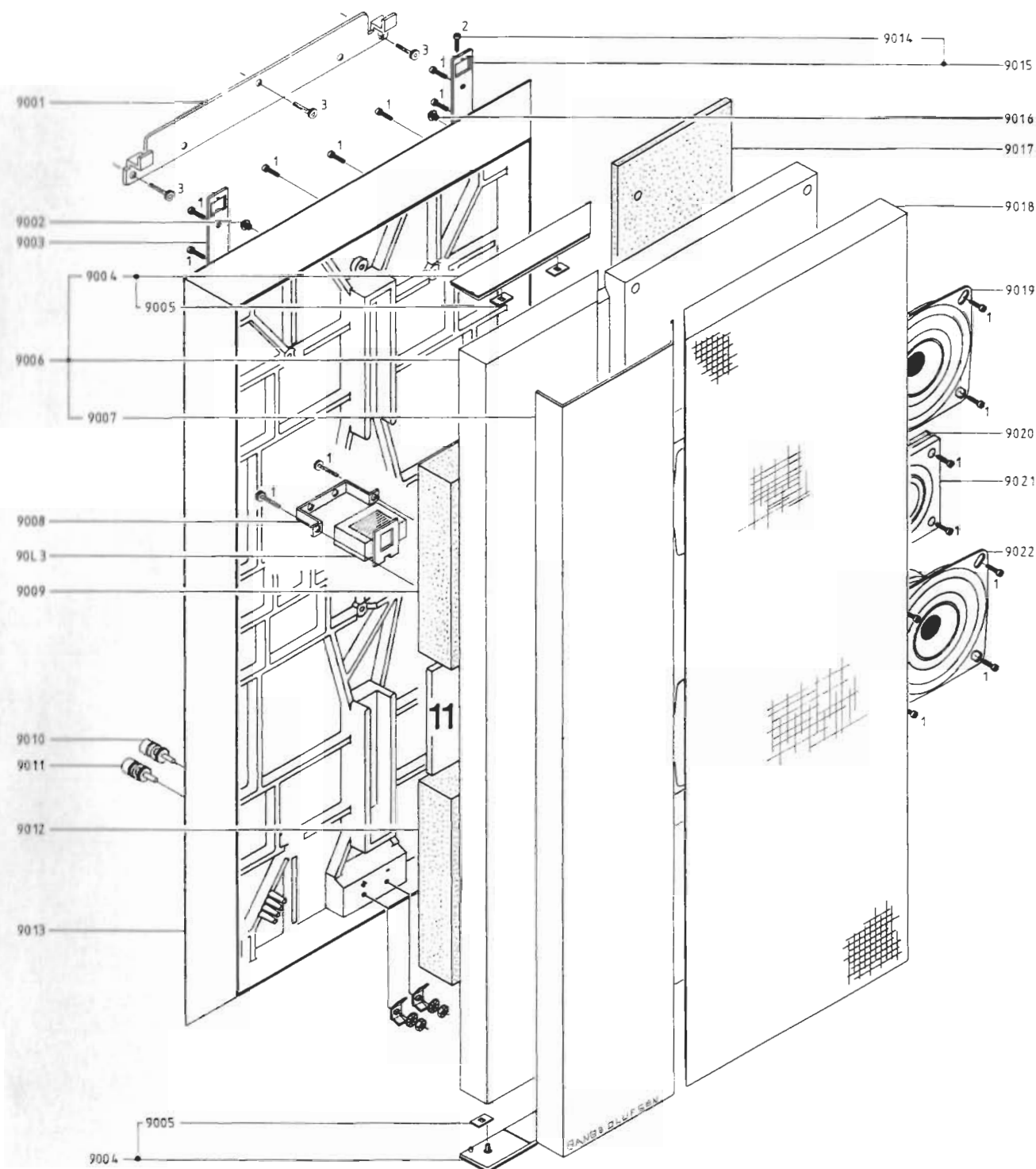
|     | 5%      | 2%      | 2%      | 2%      | 2%      | 2%      | 5%      | 5%      |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|
|     | x1      | x10     | x100    | x1K     | x10K    | x100K   | x1M     | x10M    |
| 1.0 | 5011623 | 5011647 | 5011218 | 5011227 | 5011241 | 5011256 | 5011267 | 5011730 |
| 1.1 | 5011624 | 5011648 | 5011660 | 5011681 | 5011689 | 5011691 | 5011707 |         |
| 1.2 | 5011625 | 5011649 | 5011219 | 5011682 | 5011490 | 5011257 | 5011708 |         |
| 1.3 | 5011626 | 5011650 | 5011670 | 5011683 | 5011242 | 5011258 | 5011709 |         |
| 1.5 | 5011627 | 5011651 | 5011220 | 5011228 | 5011243 | 5011259 | 5011710 |         |
| 1.6 | 5011628 | 5011652 | 5011671 | 5011684 | 5011690 | 5011692 | 5011711 |         |
| 1.8 | 5011629 | 5011653 | 5011672 | 5011229 | 5011244 | 5011260 | 5011712 |         |
| 2.0 | 5011630 | 5011654 | 5011673 | 5011685 | 5011691 | 5011696 | 5011713 |         |
| 2.2 | 5011216 | 5011655 | 5011674 | 5011230 | 5011245 | 5011261 | 5011714 |         |
| 2.4 | 5011634 | 5011656 | 5011675 | 5011686 | 5011246 | 5011697 | 5011715 |         |
| 2.7 | 5011635 | 5011657 | 5011497 | 5011231 | 5011247 | 5011262 | 5011716 |         |
| 3.0 | 5011731 | 5011658 | 5011499 | 5011500 | 5011692 | 5011698 | 5011717 |         |
| 3.3 | 5011217 | 5011659 | 5011676 | 5011232 | 5011248 | 5011263 | 5011718 |         |
| 3.6 | 5011636 | 5011660 | 5011677 | 5011687 | 5011249 | 5011264 | 5011719 |         |
| 3.9 | 5011637 | 5011661 | 5011221 | 5011233 | 5011491 | 5011699 | 5011720 |         |
| 4.3 | 5011638 | 5011662 | 5011498 | 5011688 | 5011492 | 5011700 | 5011721 |         |
| 4.7 | 5011639 | 5011269 | 5011222 | 5011234 | 5011250 | 5011265 | 5011722 |         |
| 5.1 | 5011640 | 5011663 | 5011678 | 5011235 | 5011493 | 5011701 | 5011723 |         |
| 5.6 | 5011641 | 5011664 | 5011223 | 5011236 | 5011251 | 5011702 | 5011724 |         |
| 6.2 | 5011642 | 5011665 | 5011224 | 5011237 | 5011693 | 5011703 | 5011725 |         |
| 6.8 | 5011643 | 5011666 | 5011225 | 5011238 | 5011252 | 5011704 | 5011726 |         |
| 7.5 | 5011644 | 5011667 | 5011679 | 5011239 | 5011253 | 5011705 | 5011727 |         |
| 8.2 | 5011645 | 5011270 | 5011226 | 5011240 | 5011254 | 5011266 | 5011728 |         |
| 9.3 | 5011646 | 5011668 | 5011680 | 5011489 | 5011255 | 5011706 | 5011729 |         |

(Give dpts. approx. 200, part no. 3181932).

LIST OF MECHANICAL PARTS

Beovox/Beolab 5000

The illustration shows the left loudspeaker



Beovox/Beolab 5000

Survey of screws

Beovox/Beolab 3000

Survey of screws

11 Modul8006030 Crossover Network

|      |         |                                      |
|------|---------|--------------------------------------|
| 9001 | 3031198 | Wall bracket                         |
| 9002 | 3035032 | Rubber foot                          |
| 9003 | 3031199 | Fitting                              |
| 9004 | 3456184 | End pieces, top-bottom               |
| 9005 | 2395019 | Spring leaf                          |
| 9006 | 3440113 | Baffle w/cover and end pieces, left  |
|      | 3440112 | Baffle w/cover and end pieces, right |
| 9007 | 3302454 | Cover, left                          |
|      | 3302451 | Cover, right                         |
| 9008 | 2510151 | Clamp                                |
| 9009 | 3922042 | Damping material                     |
| 9010 | 7210596 | Terminal screw, black                |
| 9011 | 7210595 | Terminal screw, red                  |
| 9012 | 3922042 | Damping material                     |
| 9013 | 3430419 | Cabinet                              |
| 9014 | 2042036 | Screw 4x16 mm                        |
| 9015 | 3031199 | Fitting w/screw                      |
| 9016 | 3035032 | Rubber foot                          |
| 9017 | 3922033 | Damping material                     |
| 9018 | 3450792 | Cloth front, blue                    |
|      | 3450916 | Cloth front, grey                    |
|      | 2391083 | Locking piece, rubber                |
| 9019 | 8480211 | Woofer 5"                            |
| 9020 | 3340051 | Packing                              |
| 9021 | 8480209 | Tweeter 1"                           |
| 9022 | 8480211 | Woofer 5"                            |

90L3 6850186 Coil 6.8 mH

6276089 Wires, assembled

|   |         |                            |
|---|---------|----------------------------|
| 1 | 2019018 | Screw 4x16 mm              |
| 2 | 2042036 | Screw 4x16 mm              |
| 3 | 2018000 | Screw 4.2x25 mm            |
|   | 3390373 | Bag w/screws and Rawlplugs |

11 Modul8006030 Crossover Network

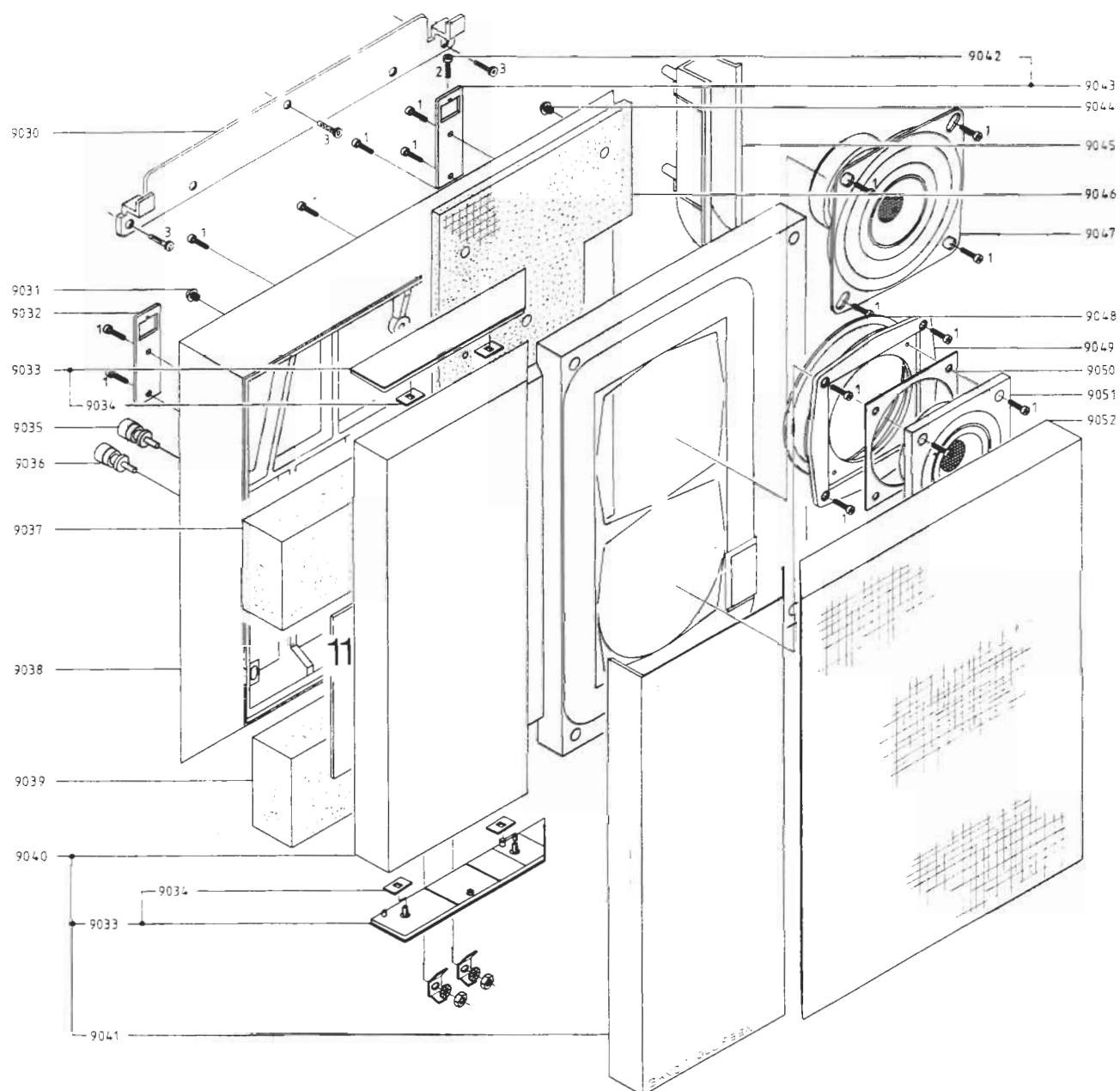
|      |         |                                      |
|------|---------|--------------------------------------|
| 9030 | 3031198 | Wall bracket                         |
| 9031 | 3035032 | Rubber foot                          |
| 9032 | 3031199 | Fitting                              |
| 9033 | 3456184 | End pieces, top-bottom               |
| 9034 | 2395019 | Spring leaf                          |
| 9035 | 7210596 | Terminal screw, black                |
| 9036 | 7210595 | Terminal screw, red                  |
| 9037 | 3922041 | Damping material                     |
| 9038 | 3430420 | Cabinet                              |
| 9039 | 3922041 | Damping material                     |
| 9040 | 3440115 | Baffle w/cover and end pieces, left  |
|      | 3440114 | Baffle w/cover and end pieces, right |
| 9041 | 3302455 | Cover, left                          |
|      | 3302452 | Cover, right                         |
| 9042 | 2042036 | Screw 4x16 mm                        |
| 9043 | 3031199 | Fitting w/screw                      |
| 9044 | 3035032 | Rubber foot                          |
| 9045 | 3458646 | Woofer port                          |
| 9046 | 3922033 | Damping material                     |
| 9047 | 8480210 | Woofer 5"                            |
| 9048 | 3340076 | Packing                              |
| 9049 | 3014083 | Adaptor                              |
| 9050 | 3340051 | Packing                              |
| 9051 | 8480209 | Tweeter 1"                           |
| 9052 | 3450793 | Cloth front, blue                    |
|      | 3450915 | Cloth front, grey                    |
|      | 2391083 | Locking piece, rubber                |

6276088 Wires, assembled

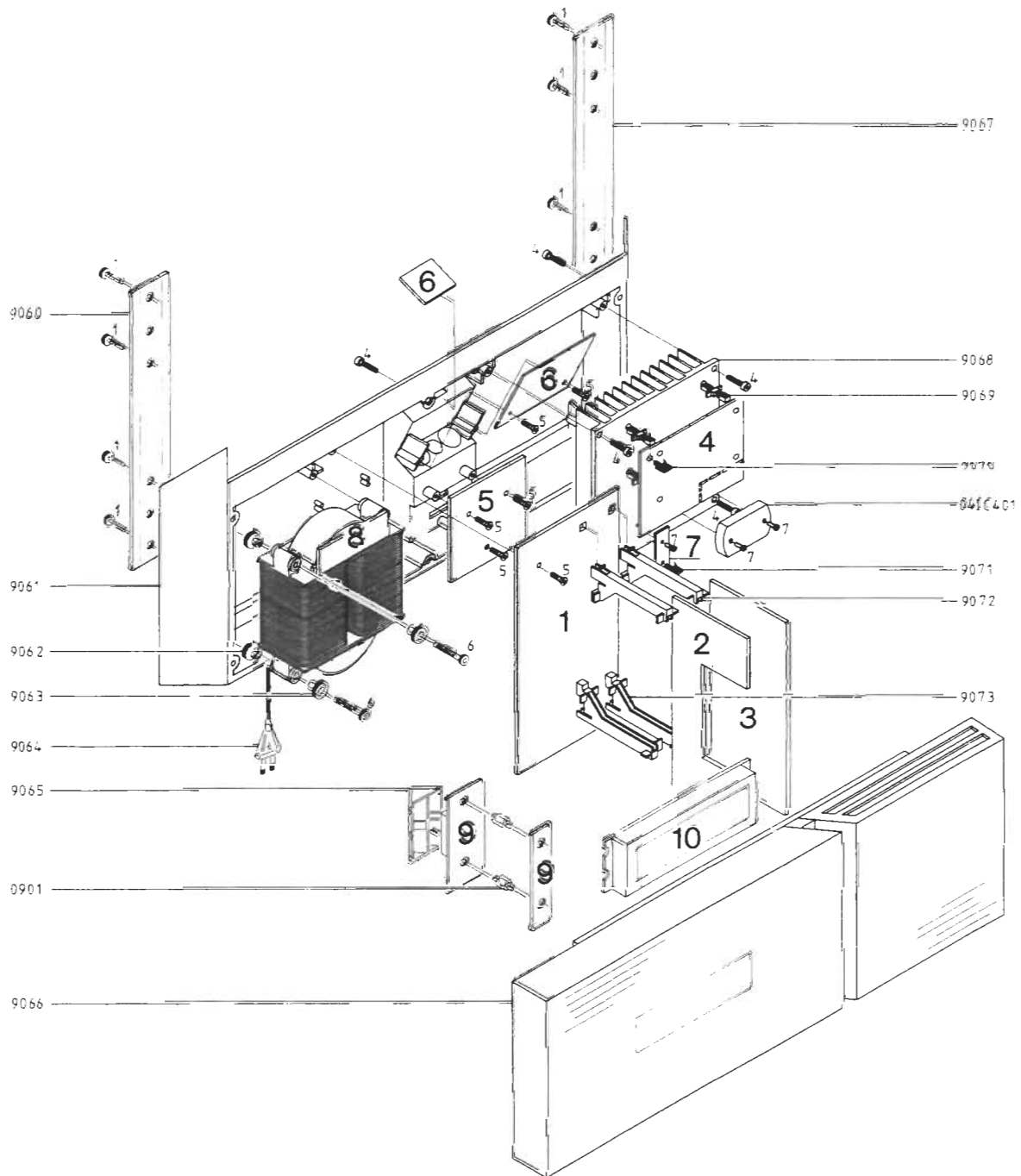
|   |         |                            |
|---|---------|----------------------------|
| 1 | 2019018 | Screw 4x16 mm              |
| 2 | 2042036 | Screw 4x16 mm              |
| 3 | 2018000 | Screw 4.2x25 mm            |
|   | 3390373 | Bag w/screws and Rawlplugs |

## Beovox/Beolab 3000

*The illustration shows the left loudspeaker*



The illustration shows the right Power Amplifier



## Power Amplifier

01Modul 8001037 PCB1, Power Supply

02Modul 8001033 PCB2, System Control

03Modul 8001032 PCB3, Microprocessor

04Modul 8001034 PCB4, Output Amplifier  
04IC401 8350059 STK 4042V

05Modul 8001039 PCB5, Switch

06Modul 8001041 PCB6, Input Socket

07Modul 8001038 PCB7, NTC

08Modul 8013445 PCB8, Transformer

09Modul 8001067 PCB9, Stand-by  
0901 3152537 Spacer

10Modul 8330243 PCB10, Display

|      |         |                                |
|------|---------|--------------------------------|
| 9060 | 3031197 | Fitting                        |
| 9061 | 3452626 | Rear part, right               |
|      | 3452627 | Rear part, left                |
| 9062 | 2938154 | Bushing                        |
| 9063 | 2938154 | Bushing                        |
| 9064 | 6270425 | Mains cable type 6701-02-11-12 |
|      | 6270424 | Mains cable type 6703-13       |
|      | 6270423 | Mains cable type 6704-14       |
|      | 6270426 | Mains cable type 6705-15       |
| 9065 | 2776150 | Switch cover, right            |
|      | 2776151 | Switch cover, left             |
| 9066 | 3458698 | Front panel, assembled         |
| 9067 | 3031197 | Fitting                        |
| 9068 | 3358239 | Heat sink                      |
| 9069 | 3152638 | Spacer                         |
| 9070 | 3152561 | Cable holder                   |
| 9071 | 3152561 | Cable holder                   |
| 9072 | 3152254 | Holder f/PCB                   |
| 9073 | 3152254 | Holder f/PCB                   |

|         |         |             |
|---------|---------|-------------|
| To P302 | 6275985 | Wire bundle |
| To P407 | 6275872 | Wire bundle |
| To P408 | 6275879 | Wire bundle |
| To P502 | 6275871 | Wire bundle |
| To P503 | 6275892 | Wire bundle |
| To P603 | 6275870 | Wire bundle |

## Survey of screws

|   |         |                 |
|---|---------|-----------------|
| 1 | 2019018 | Screw 4x16 mm   |
| 4 | 2015133 | Screw 3.5x16 mm |
| 5 | 2015134 | Screw 3.5x10 mm |
| 6 | 2015135 | Screw 3.5x30 mm |
| 7 | 2013157 | Screw 2.9x16 mm |

## PACKING

## Beovox 3000

3397672 Foam end pieces, top  
 3397672 Foam end pieces, bottom  
 3390363 Foam foil  
 3397059 Outer carton

## Beolab 3000

3397672 Foam end pieces, top  
 3397672 Foam end pieces, bottom  
 3390362 Foam foil  
 3392058 Outer carton

## Beovox 5000

3397672 Foam end pieces, top  
 3397672 Foam end pieces, bottom  
 3397671 Middle section, top-bottom  
 3397692 Foam insert  
 3392104 Cardboard insert  
 3390361 Foam foil  
 3392057 Outer carton

## Beolab 5000

3397672 Foam end pieces, top  
 3397672 Foam end pieces, bottom  
 3397671 Middle section, top-bottom  
 3392104 Cardboard insert  
 3390360 Foam foil  
 3392056 Outer carton

## OWNER's MANUALS

## Beovox 3000/5000

3506155 Danish  
 3506156 Swedish  
 3506157 Finnish  
 3506158 English  
 3506159 German  
 3506160 Dutch  
 3506161 French  
 3506162 Italian  
 3506163 Spanish

## Beolab 3000/5000

3506135 Danish  
 3506136 Swedish  
 3506137 Finnish  
 3506138 English  
 3506139 German  
 3506140 Dutch  
 3506141 French  
 3506143 Italian  
 3506144 Spanish

## ACCESSORIES

6270167 2-pin DIN speaker cable - 5 m  
 6270336 4-pin DIN shielded speaker cable - 5 m  
 6270352 4-pin DIN shielded speaker cable - 10 m  
 6270417 8-pin DIN Power Link cable - 2.5 m  
 6270418 8-pin DIN Power Link cable - 5 m  
 6270419 8-pin DIN Power Link cable - 10 m  
 6270350 2-pin DIN shielded speaker cable - 5 m  
 8960318 BLC 150, blue line cord  
 8960329 GLC 150, grey line cord  
 7229075 Adaptor for Power Link - 8-pin DIN female to 8-pin DIN female  
 8960280 Cable Cover 5000 metal finish - 0.85 m  
 8960290 Cable Cover 3000 metal finish - 1.30 m  
 2560232 Plastic cable cover 8x18 mm - 2.10 m  
 2560202 Plastic cable cover 10x46 mm - 2.10 m

## JUSTERING

## Display

DC voltmeter tilsluttes ben 5 på stik P301.  
 Med 1R120 justeres til 1,9 V  $\pm$  0,1 V.

## ADJUSTMENT

## Display

Connect DC voltmeter to pin 5 on plug P301.  
 Adjust with 1R120 to 1.9 V  $\pm$  0.1 V.

REPARATIONSTIPS

**Sådan sættes omskifterne i den rigtige stilling**  
Nederst på bagsiden af Beolab 3000/5000 er der to knapper:

Indgangseffekt-knappen (den største af de to med 4 indstillingsmuligheder).

Mode-knappen (den mindste af de to med 3 indstillingsmuligheder).

Indgangseffekt-knappen  
Sæt indgangseffekt-knappen i en stilling, der passer til radioens eller TV'ets udgangseffekt.

**POWER LINK STIKDÅSE**  
Hvis Beolab 3000/5000 er tilsluttet via POWER LINK stikdåsen, er det lige meget, hvilken stilling indgangseffekt-knappen står i, da højttalerens lydniveau ikke påvirkes af knappens stilling.

**SPEAKER LINK STIKDÅSE**

| Knappens stilling | Radioens/TV'ets udgangseffekt |         |
|-------------------|-------------------------------|---------|
|                   | 4 ohm                         | 8 ohm   |
| —                 | -40 W                         | -20 W   |
| ==                | 40-80 W                       | 20-40 W |
| ≡                 | 80- W                         | 40- W   |

**LINE IN STIKDÅSE**

Sæt knappen i stilling N.

Mode-knappen  
Når Beolab 3000/5000 er tilsluttet lysnettet, er den i stand-by-stilling. Stand-by-stillingen indikeres af et lille rødt lys ved siden af displayet. Højttaleren tændes automatisk, når den modtager et signal, med mindre AUDIO/VIDEO/OFF-knappen står i stilling OFF.

Sæt mode-knappen i stilling A, R (højre) eller L (venstre):

| Stikdåse     | Mode-knappen                             |
|--------------|------------------------------------------|
| LINE IN      | A                                        |
| SPEAKER LINK | A                                        |
| POWER LINK   | L Venstre højttaler<br>R Højre højttaler |

Når det TV/den radio, som Beolab 3000/5000 er tilsluttet, går i stand-by, slukkes højttaleren automatisk - d.v.s. den går også i stand-by. Dette sker øjeblikkeligt, hvis højttaleren er tilsluttet ved hjælp af et Power Link kabel eller en skærmet 4-polet DIN højttalerledning. I alle andre tilfælde går Beolab 3000/5000 i stand-by efter ca. 3 minutter.

REPAIR TIPS

**Setting the switches on the rear**  
On the lower rear side of the Beolab 3000/5000 there are two switches:

The input level switch (the longer of the two - 4 settings).

The mode switch (the shorter of the two - 3 settings).

Input level switch  
Set the input level switch to the position required to match the output of receiver or TV set.

**POWER LINK SOCKET**  
If you have connected a Beolab 3000/5000 via the POWER LINK socket, there are no requirements as to the setting of the input level switch, because the acoustic level is independent of the setting of the switch.

**SPEAKER LINK SOCKET**

| Switch position | Receiver/TV output |         |
|-----------------|--------------------|---------|
|                 | 4 ohm              | 8 ohm   |
| —               | -40 W              | -20 W   |
| ==              | 40-80 W            | 20-40 W |
| ≡               | 80- W              | 40- W   |

**LINE IN SOCKET**

Set the switch to N.

Mode switch  
Once connected to the mains supply, the Beolab 3000/5000 is in the stand-by mode. The stand-by mode is indicated by a red light next to the display. The speaker switches on automatically when it receives a signal, unless, of course the AUDIO/VIDEO/OFF switch is set to OFF.

Set the mode switch to either A, R (Right) or L (Left):

| Sockets      | Mode switch                       |
|--------------|-----------------------------------|
| LINE IN      | A                                 |
| SPEAKER LINK | A                                 |
| POWER LINK   | L Left speaker<br>R Right speaker |

When the TV set/receiver to which the Beolab 3000/5000 is connected goes into stand-by, the loudspeaker automatically switches itself off - i.e. reverts to the stand-by mode. This happens instantly if you have connected the speaker using a Power Link cable or a screened 4-pin DIN speaker cable. In all other cases the Beolab 3000/5000 goes into stand-by after a delay of approx. 3 minutes.

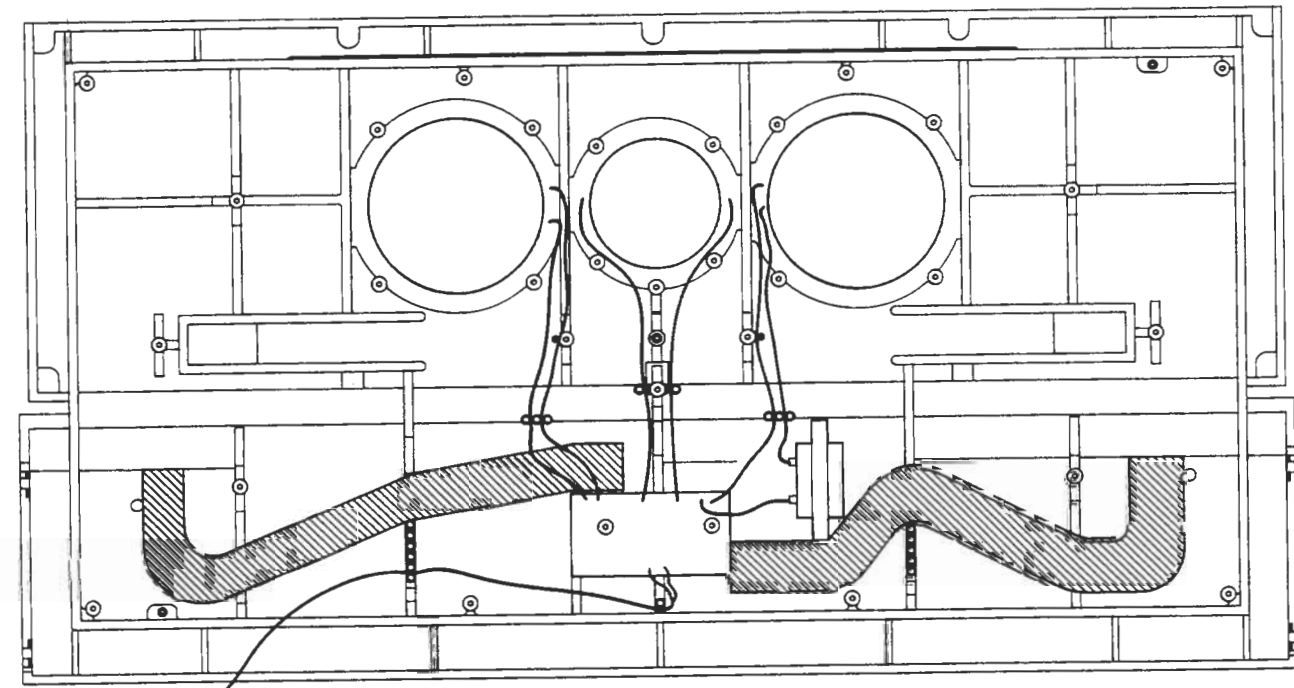
**AUDIO/VIDEO/OFF-omskifter**  
For at opnå den rigtige status-udlæsning i displayet på højttaleren, skal AUDIO/VIDEO/OFF-omskifteren sættes i den rigtige stilling:

|       |                                                                                       |
|-------|---------------------------------------------------------------------------------------|
| AUDIO | hvis Beolab 3000/5000 er tilsluttet en Beomaster, et Beocenter eller en MCL 2 A/2 AV. |
| VIDEO | hvis Beolab 3000/5000 er tilsluttet et Beovision.                                     |
| OFF   | slukket.                                                                              |

**AUDIO/VIDEO/OFF switch**  
In order to obtain the right status reading from the display, the AUDIO/VIDEO/OFF switch must be set to the correct position:

|       |                                                                                 |
|-------|---------------------------------------------------------------------------------|
| AUDIO | if the Beolab 3000/5000 is connected to a Beomaster, Beocenter or MCL 2 A/2 AV. |
| VIDEO | if the Beolab 3000/5000 is connected to a Beovision.                            |
| OFF   | off position.                                                                   |

**Placering af dæmpemateriale og ledningsføring**      **Placement of damping material and wiring**



**Diskanthøjttaler**  
NB! Vær opmærksom på at diskanthøjttaleren let kan beskadiges, hvis højttaleren placeres med fronten nedad uden at stoframmen er monteret.

**Tweeter**  
NB! Please note that the tweeter may easily be damaged, if you place the speaker with the front facing downwards and without the cloth front being fitted.

**ISOLATIONSTEST**

Ethvert apparat skal isolationstestes, efter at det har været adskilt. Testen udføres, når apparatet er samlet igen og er klar til udlevering til kunden.

Der må ikke forekomme overslag under testen!

Isolationstesten udføres på følgende måde:

De to stikben på netstikket kortsluttes og tilsluttes den ene af terminalerne på isolationstesteren. Den anden terminal tilsluttes stel på phono bøsningen (LINE IN).

OBS!

For at undgå beskadigelser af apparatet er det vigtigt, at begge terminaler på isolationstesteren har virkelig god kontakt.

Spændingsreguleringen på isolationstesteren drejes langsomt op, indtil en spænding på 1,5-2 kV er opnået. Her skal den holdes i ét sekund, hvorefter der langsomt drejes ned for spændingen igen.

**INSULATION TEST**

Each set must be insulation tested after having been dismantled. Make the test when the set has been reassembled and is ready to be returned to the customer.

Flashovers must not occur during the testing procedure!

Make the insulation test as follows:

Short-circuit the two pins of the mains plug and connect them to one of the terminals of the insulation tester. Connect the other terminal to ground in phono socket (LINE IN).

NOTE!

To avoid damaging the set it is essential that both terminals of the insulation tester have good contact.

Slowly turn the voltage control of the insulation tester until a voltage of 1.5-2 kV is obtained. Maintain that voltage for one second, then slowly turn it down again.

# Bang & Olufsen

## Beolab 4500

Type 6721, 6722, 6723, 6724, 6725

09-91 3538793 Indklæbes i serviceanvisningen Beovox 5 (3538717)  
Paste into service manual Beovox 5 (3538717)



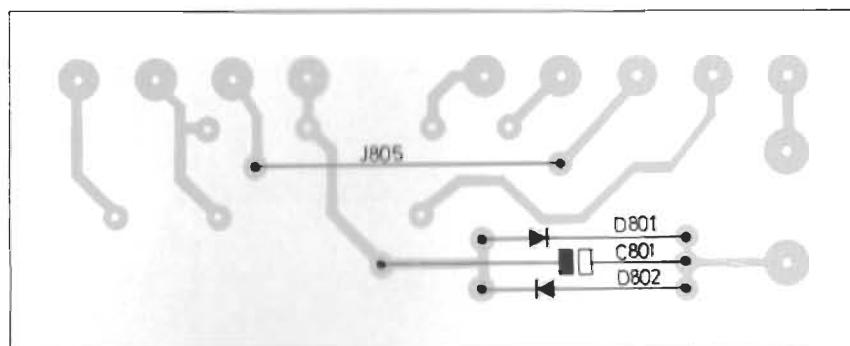
## Technical specifications

Se side 1-2 under Beolab 3000  
See page 1-2 for Beolab 3000

### Wiring of Mains Transformer

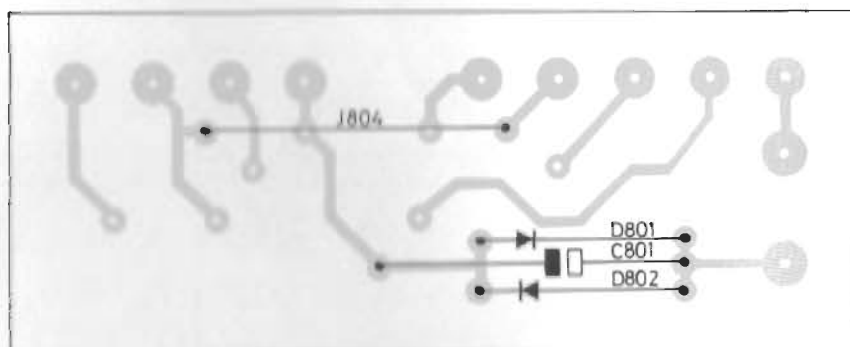
#### 230V

Type 6721



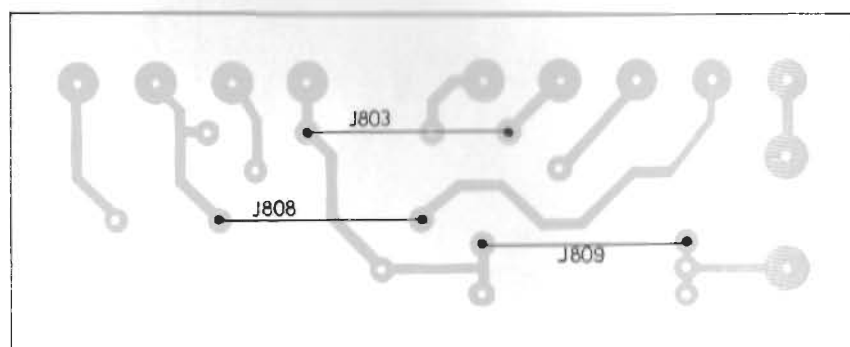
#### 240V

Type 6722 (GB)  
Type 6725 (AUS)



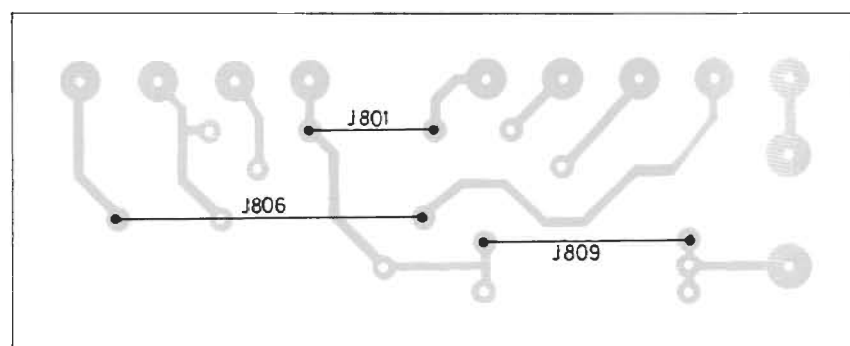
#### 120V

Type 6723 (US)



#### 100V

Type 6724 (JAP)



## DIAGRAMFORKLARING

På diagrammerne er der angivet typenumre på transistorer og IC'er. Hvis positionsnummeret er efterfulgt af en stjerne, skal reservedelsnummeret altid benyttes, da denne komponent er specielt udvalgt, f.eks. TR102\*.

### Styrekredsløb

I visse styrekredsløb er den aktive tilstand angivet med en funktions- eller bogstavsangivelse. Denne kan eksempelvis være ST.BY. = »low« i stand-by-stilling eller ST.BY. = »high« i stand-by-stilling.

### Forsyningsspændinger

Alle forsyningsspændinger i diagrammerne er angivet med en pil og en spændingsangivelse.

### Eksempel:

Ved siden af spændingsangivelsen står der f.eks. 7 CON. Dette betyder, at den pågældende forsyningsspænding går til 7 steder på den pågældende diagramside (7 CON. = 7 connections).

## SYMBOL FOR SIKKERHEDSKOMPONENTER



Ved udskiftning af komponenter med dette symbol skal der anvendes komponenter med samme reservedelsnummer. Den nye komponent skal monteres på samme måde som den udskiftede.

## MÅLEBETINGELSER

Alle DC-spændinger er målt i forhold til stel med et voltmeter med en indgangsmodstand på 10 Mohm.

DC-spændingerne er opgivet i volt (V), f.eks. 0,7 V.

## EXPLANATION OF DIAGRAM

Type numbers of transistors and ICs are indicated on the diagrams.

If the position number is followed by an asterisk the spare part number must always be used because the component in question has been specially selected, e.g. TR102\*.

### Control Circuit

In certain control circuits the active mode is indicated by a function term or by an abbreviation. This may be e.g. ST.BY. = low in the stand-by mode or ST.BY. = high in the stand-by mode.

### Supply Voltages

All supply voltages in the diagrams are indicated by an arrow and a voltage indication.

### Example:

"7 CON." This means that the supply voltage in question goes to 7 different places on the diagram page in question (7 CON. = 7 connections).

## SYMBOL OF SAFETY COMPONENTS



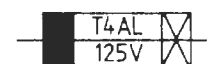
When replacing components with this symbol, components with identical part numbers must be used. The new component must be mounted in the same way as the one replaced.

## MEASURING CONDITIONS

All DC voltages have been measured in relation to ground with a voltmeter with an input resistance of 10 Mohms.

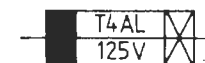
The DC voltages are stated in volts (V), e.g. 0.7 V.

## EXPLANATION DE SYMBOLES DU FUSIBLE UTILISES DANS L'APPAREIL

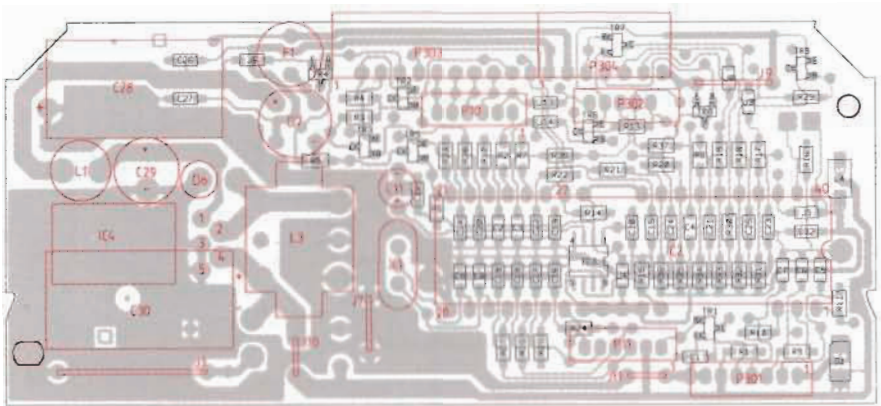


Remplacer par un fusible retardé de la même type et de 4 ampères 125 volts.

## EXPLANATION OF THE FUSE SYMBOLS USED IN THE SET



Replace with the same type of 4 amperes 125 volts slow acting fuse.



LIST OF ELECTRICAL PARTS

PCB3, 800/524  
Microprocessor

| 51 | 122 | 136 | 156 | 209 | 250 |  |  |
|----|-----|-----|-----|-----|-----|--|--|
|    |     |     |     |     |     |  |  |

Resistors not referred to are standard, see page 3-2  
△ Indicates that static electricity may destroy the component  
\* Specially selected or adapted sample

|       |         |                   |          |      |         |                   |           |
|-------|---------|-------------------|----------|------|---------|-------------------|-----------|
| IC2*Ω | 8341771 | 136               | μP 80C52 | IC4  | 8341770 | 122               | LM2575-50 |
| IC3   | 8341612 | 156               | TL7705   |      |         |                   |           |
| TR1   | 8320615 | 051               | BC848B   | TR5- | 8320615 | 051               | BC848B    |
| TR2   | 8320755 | 051               | BC847B   | TR9  |         |                   |           |
| TR3-  | 8320616 | 051               | BC858B   |      |         |                   |           |
| TR4   |         |                   |          |      |         |                   |           |
| D1    | 8300557 | 250               | BYM10    | D7   | 8300466 |                   | 125V 1.5A |
| D6    | 8300795 | 209               | 1N5822   |      |         |                   |           |
| R39*  | 5012142 | 60MΩ              |          |      |         |                   |           |
| C1-   | 4010132 | 1nF 10% 50V       |          | C14- | 4000370 | 2.2nF 5% 50V      |           |
| C2    |         |                   |          | C21  |         |                   |           |
| C3-   | 4000370 | 2.2nF 5% 50V      |          | C22  | 4010209 | 47nF 10% 50V      |           |
| C4    |         |                   |          | C23- | 4000370 | 2.2nF 5% 50V      |           |
| C5-   | 4000241 | 100pF 5% 50V      |          | C25  |         |                   |           |
| C7    |         |                   |          | C26- | 4010166 | 100nF -20+80% 50V |           |
| C8-   | 4000278 | 27pF 5% 50V       |          | C27  |         |                   |           |
| C9    |         |                   |          | C29  | 4200952 | 47μF -20+50% 25V  |           |
| C10   | 4010166 | 100nF -20+80% 50V |          | C30  | 4201116 | 330μF 20% 25V     |           |
| C11   | 4200512 | 1μF 20% 50V       |          | C31  | 4200974 | 6.8μF 20% 6.3V    |           |
| C12-  | 4000287 | 220nF -20+80% 25V |          | C32  | 4000287 | 220nF -20+80% 25V |           |
| C13   |         |                   |          |      |         |                   |           |
| L1    | 8020912 | Coil 100μH 10%    |          | L4   | 8020599 | Coil 10μH         |           |
| L3    | 8020914 | Coil 470μH        |          |      |         |                   |           |
| F1    | 6600096 | Fuse 400mA        |          |      |         |                   |           |
| X1    | 8090075 | Crystal 12MHz     |          |      |         |                   |           |
| P301  | 7220714 | Plug 7 pole       |          | P303 | 7210110 | Socket 11 pole    |           |
| P302  | 7220713 | Plug 6 pole       |          | P304 | 7210274 | Socket 7 pole     |           |

All other electrical parts are identical with Beolab 3000

DIAGRAM

