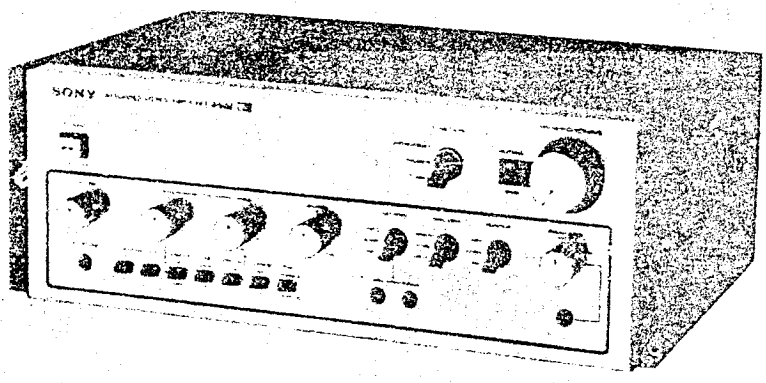


TA-5650

US Model
 Canadian Model
 UK Model
 AEP Model



P691626

Discard TA-5650 service manual previously issued for UK and AEP Models. This service manual contains former information.

INTEGRATED STEREO AMPLIFIER

SPECIFICATIONS

GENERAL

Power Requirements: 120 V ac, 60 Hz (US, Canadian Model)
 110, 127, 220 or 240 V ac adjustable, 50/60 Hz (UK and AEP Model)

Power Consumption: 160 W (US Model)
 320 VA (Canadian Model)
 440 W (UK, AEP Model)

Dimensions: Approx. 460(w) x 168(h) x 323(d) mm
 18¹/₈(w) x 6⁵/₈(h) x 12³/₄(d) inches
 Including projecting parts and controls

Weight: Approx. 13.4 kg, 29 lb 9 oz (net)
 Approx. 16 kg, 35 lb 4 oz (in shipping carton)

Harmonic Distortion: Less than 0.1 % at rated output
 Less than 0.08 % at 1 W output

IM Distortion: Less than 0.1 % at rated output
 (60 Hz : 7 kHz = 4 : 1) Less than 0.08 % at 1 W output

Frequency Response: 2 Hz - 100 kHz \pm 0 dB
 (at 1 W output):

S/N Ratio: Greater than 110 dB, short-circuited input

Residual Noise: Less than 0.02 μ W (8 Ω)

Damping Factor: 50 (8 Ω , at 1 kHz)

Inputs: POWER INPUT
 Sensitivity 1 V RMS (for rated output), impedance 50 k Ω

Outputs: SPEAKER terminals A, B
 Accept speakers of 4 Ω or more
 HEADPHONES jack
 Accepts low and high-impedance stereo headphones

- continued on page 2 -

POWER AMPLIFIER SECTION

Continuous RMS Power Output: At 1 kHz
 (less than 0.1 % THD, both channels driven simultaneously)
 60 + 60 W (8 Ω)
 50 + 50 W (4 Ω)

At 20 Hz - 20 kHz
 50 + 50 W (8 Ω)
 according to DIN 45500
 55 + 55 W (8 Ω)

Dynamic Power Output: (IHF constant power supply method)
 160 W (8 Ω)
 140 W (4 Ω)

Power Bandwidth (IHF): 5 - 40,000 Hz

0 dB = 0.775 V

THE QUALITY OF THIS MANUAL IS THE BEST THAT IS AVAILABLE

SONY

SERVICE MANUAL

PREAMPLIFIER SECTION

Harmonic Distortion: Less than 0.05 % at rated output
 IM Distortion: Less than 0.05 % at rated output
 (60 Hz : 7 kHz = 4 : 1)
 Frequency Response: PHONO 1, 2 RIAA equalization ± 0.5 dB
 TUNER
 AUX 1, 2, 3
 TAPE 1, 2
 REC/PB (input)
 EXT ADPT 1, 2 (input) } 10 Hz -
 100 kHz ± 0 dB
 (TONE: CANCEL)
 Tone Controls: BASS:
 ± 10 dB at 50 Hz (TURNOVER 250 Hz)
 ± 10 dB at 100 Hz (TURNOVER 500 Hz)
 TREBLE:
 ± 10 dB at 10 kHz (TURNOVER 2.5 kHz)
 ± 10 dB at 20 kHz (TURNOVER 5 kHz)
 Filters: LOW:
 12 dB/octave attenuation below 30 Hz
 HIGH:
 12 dB/octave attenuation above 9 kHz
 Loudness switch: + 10 dB at 50 Hz
 (att. 30 dB) + 3 dB at 10 kHz

Inputs:

| | Sensitivity | Impedance | Maximum input capability* | S/N (weighting network ¹) |
|---|-------------|------------|---------------------------|---------------------------------------|
| PHONO 1, 2 | 2.5 mV | 50 k ohms | 300 mV | greater than 70 dB (B) |
| AUX 1, 2, 3 TAPE 1, 2 REC/PB (input) EXT ADPT 1, 2 (input) | 150 mV | 250 k ohms | — | greater than 90 dB (A) |

* The maximum input capability is measured at a 0.05% harmonic distortion.

Outputs:

| | Output voltage | Impedance |
|---------------|----------------|------------|
| REC OUT 1, 2 | 150 mV | 4.7 k ohms |
| PRE OUTPUT | 1 V | 1 k ohm |
| REC/PB | 17 mV | 82 k ohms |
| EXT ADPT 1, 2 | 150 mV | 4.7 k ohms |

Specification Labels:

US Model

| | |
|--------------------------|---|
| SONY [®] | INTEGRATED STEREO AMPLIFIER |
| | MODEL NO. TA-5650 AC 120V 60Hz 160W SERIAL NO. _____ MADE IN JAPAN |

Canadian Model

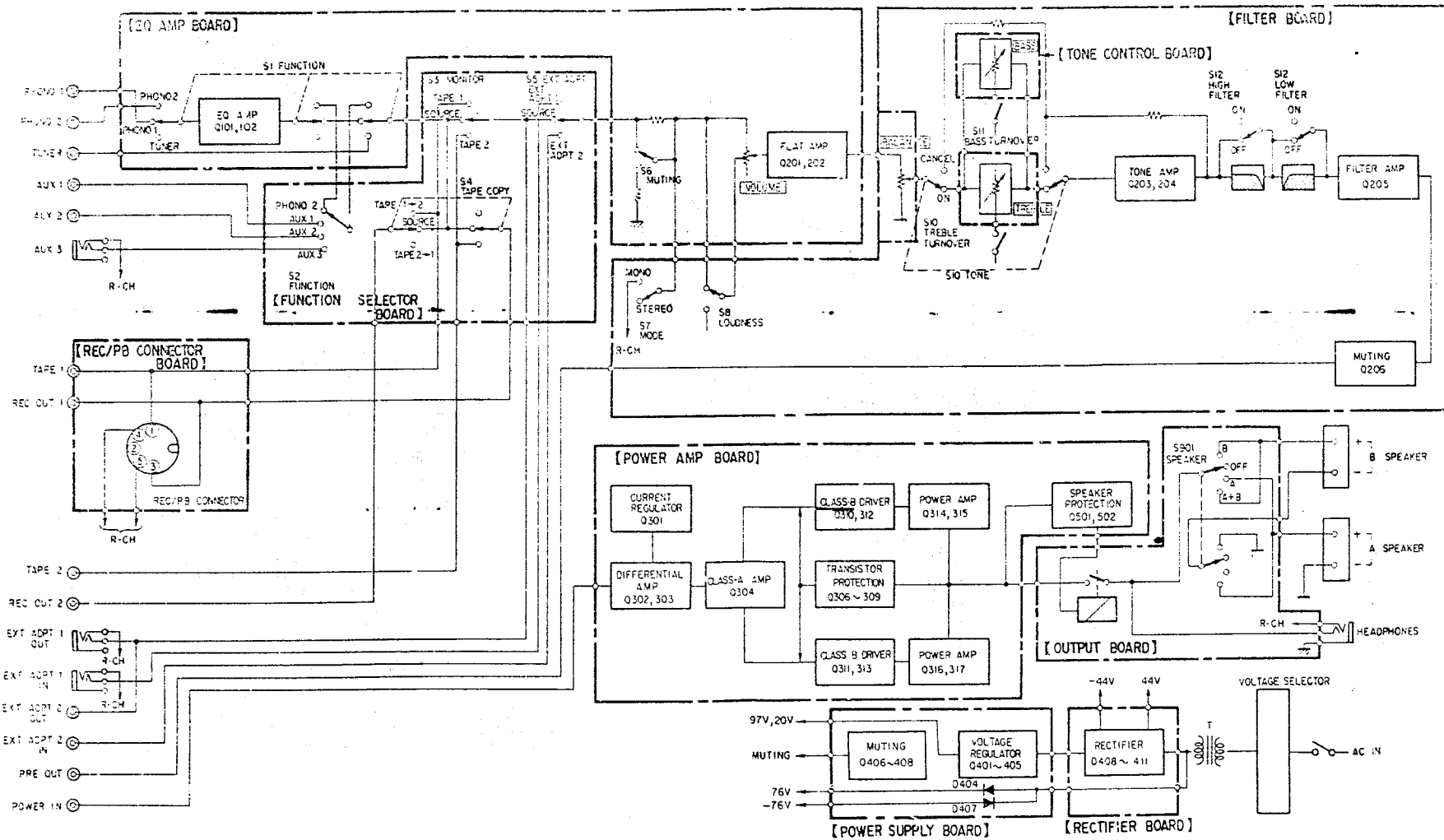
| | |
|--------------------------|--|
| SONY [®] | INTEGRATED STEREO AMPLIFIER |
| | MODEL NO. TA-5650 AC 120V 60Hz 320VA SERIAL NO. _____ MADE IN JAPAN |

UK and AEP Models

| | |
|--------------------------|---|
| SONY [®] | INTEGRATED STEREO AMPLIFIER |
| | MODEL NO. TA-5650 AC 110.127.220.240V~ 50/60Hz 440W SERIAL NO. _____ MADE IN JAPAN |

Note: * UK Model: Serial No. 600,001 and later
 AEP Model: Serial No. 500,001 and later

SECTION 1
BLOCK DIAGRAM



SECTION 2 ADJUSTMENT

Notes: Turn the power switch on and allow about five minutes for warmup time.

2-1. 20V POWER VOLTAGE ADJUSTMENT

With no input signal, adjust RT401 so that the emitter voltage of Q403 becomes 20 V.

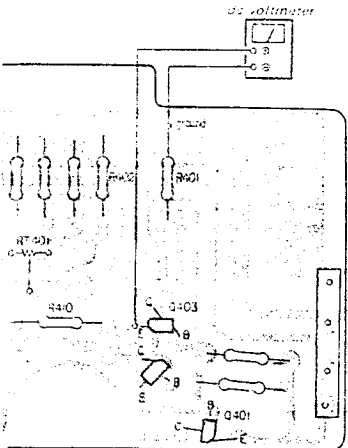


Fig. 2-1. 20 V power voltage adjustment

2-2. 97V POWER VOLTAGE CONFIRMATION

After 20 V power voltage adjustment, confirm that the emitter voltage of Q401 shows 97 V \pm 3 V.

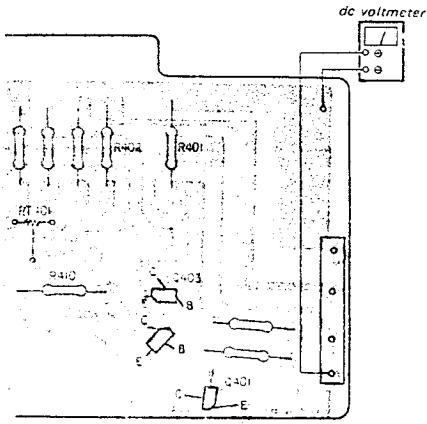


Fig. 2-2. 97 V power voltage confirmation

2-3. CONFIRMATION OF DC BALANCE VOLTAGE

1. Set the SPEAKER switch to "A" position.
2. Connect the dc voltmeter across the SPEAKER OUT "A".
3. Confirm that the dc voltage at SPEAKER OUT "A" shows 0V \pm 50 mV.

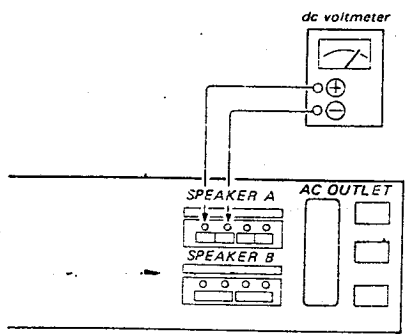


Fig. 2-3. Confirmation of dc balance voltage

2-4. DC BIAS ADJUSTMENT

Adjust RT301 and RT351 for 90 mV reading on the meter with no input signal.

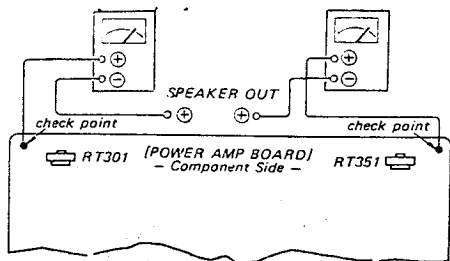


Fig. 2-4. DC bias adjustment

2-5. CHASSIS LAYOUT

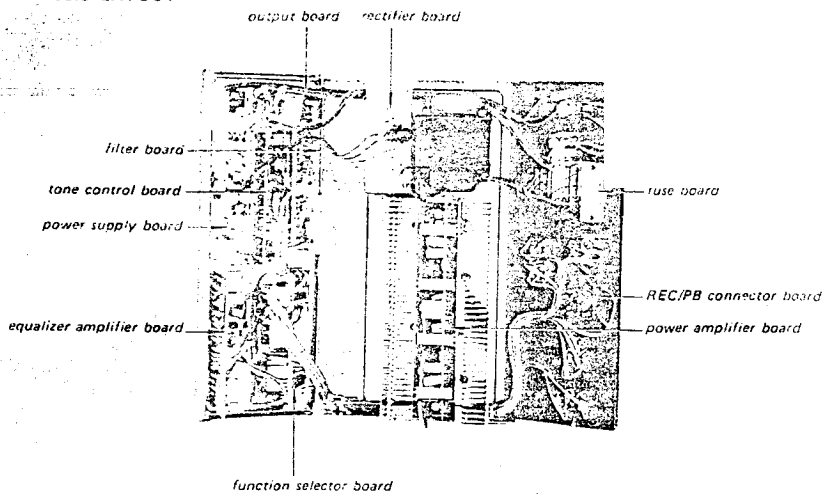
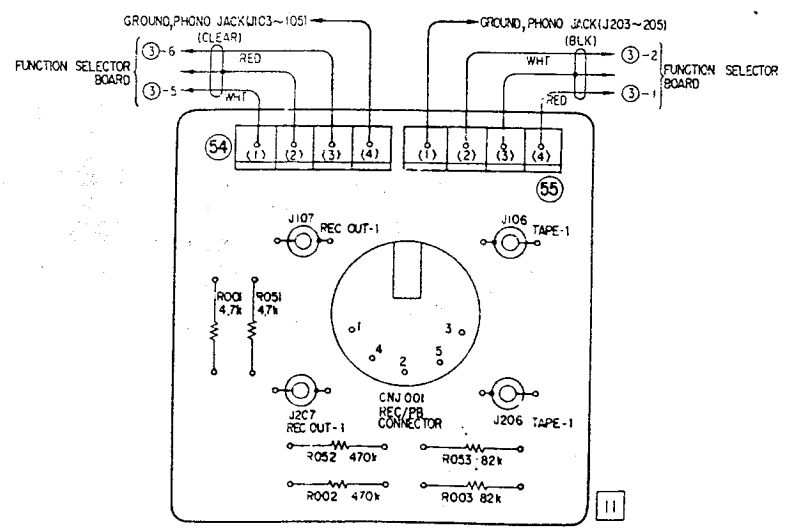


Fig. 2-5. Chassis layout

SECTION 3 MOUNTING AND SCHEMATIC DIAGRAMS

3-1. MOUNTING DIAGRAM - REC/PB CONNECTOR BOARD -

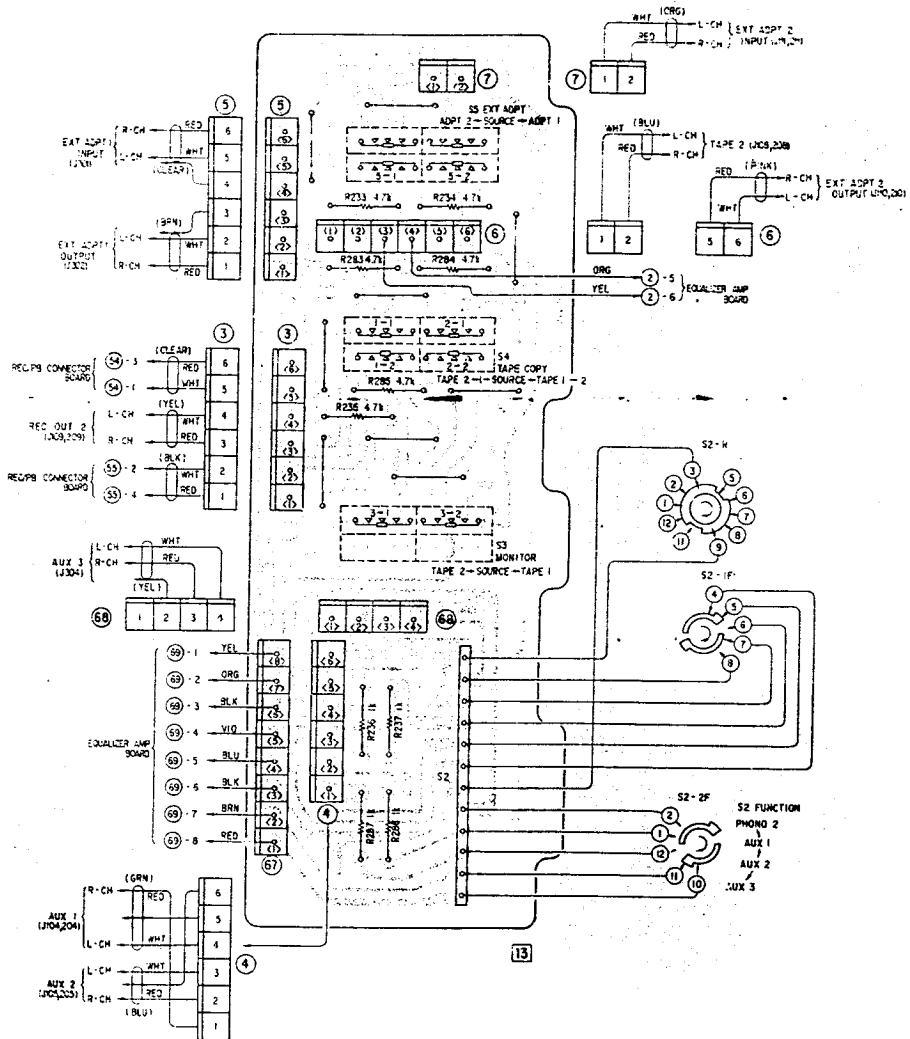
- Conductor Side -



11

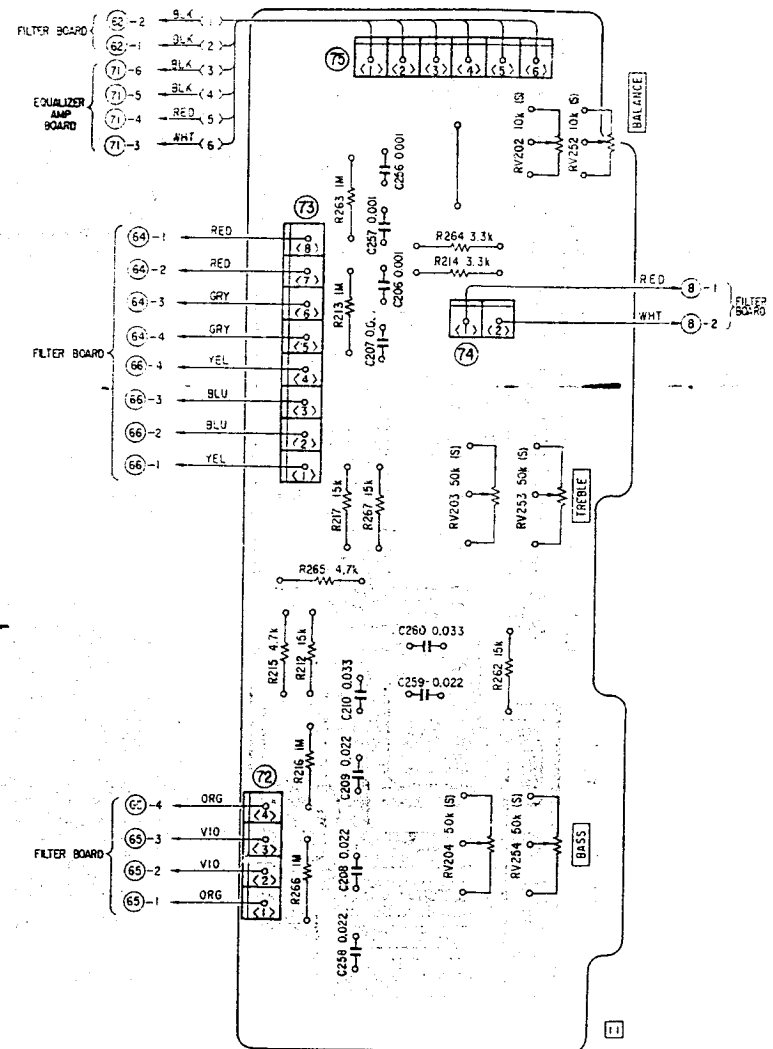
3-2. MOUNTING DIAGRAM - FUNCTION SELECTOR BOARD -

- Conductor Side -



3-3. MOUNTING DIAGRAM - TONE CONTROL BOARD -

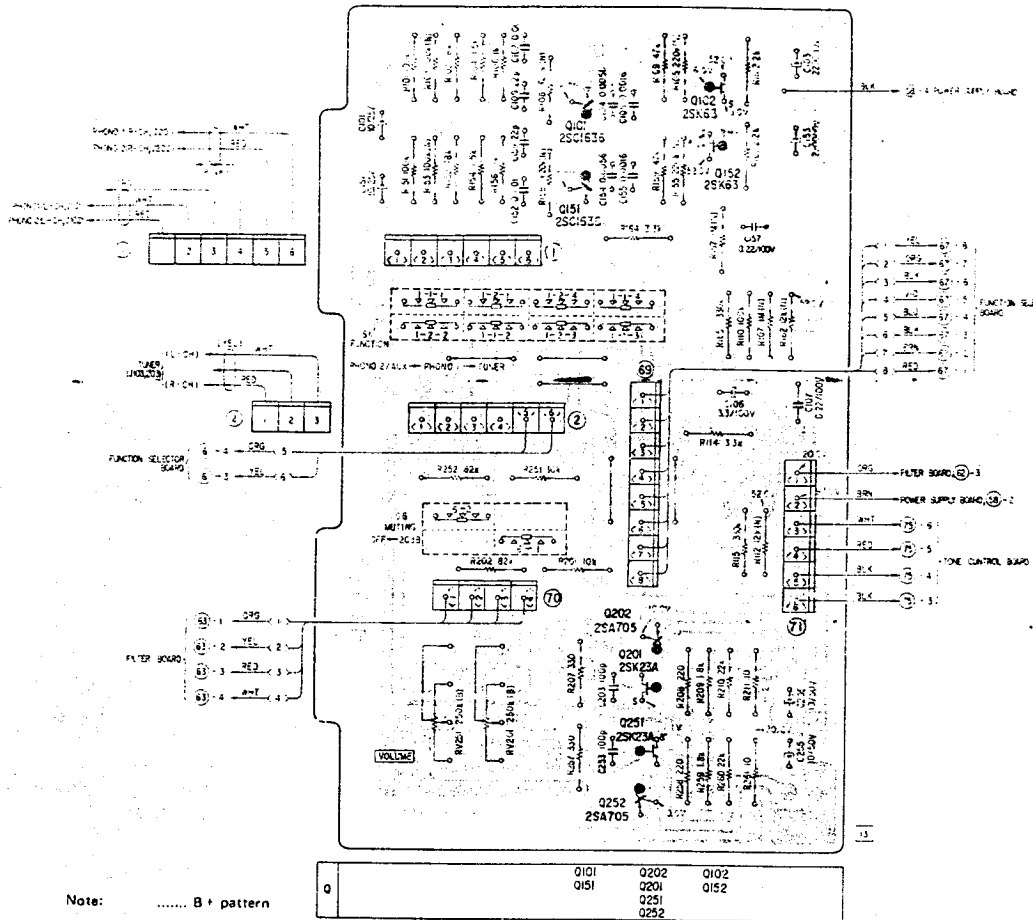
- Conductor Side -



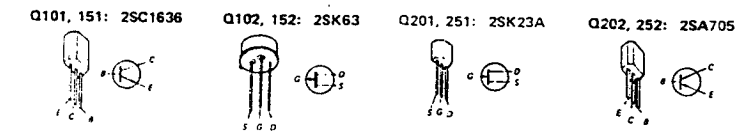
3-4. MOUNTING DIAGRAM - EQUALIZER AMPLIFIER BOARD -

- Conductor Side -

UK Model: Up to serial No. 600,350
AEP Model: Up to serial No. 501,900



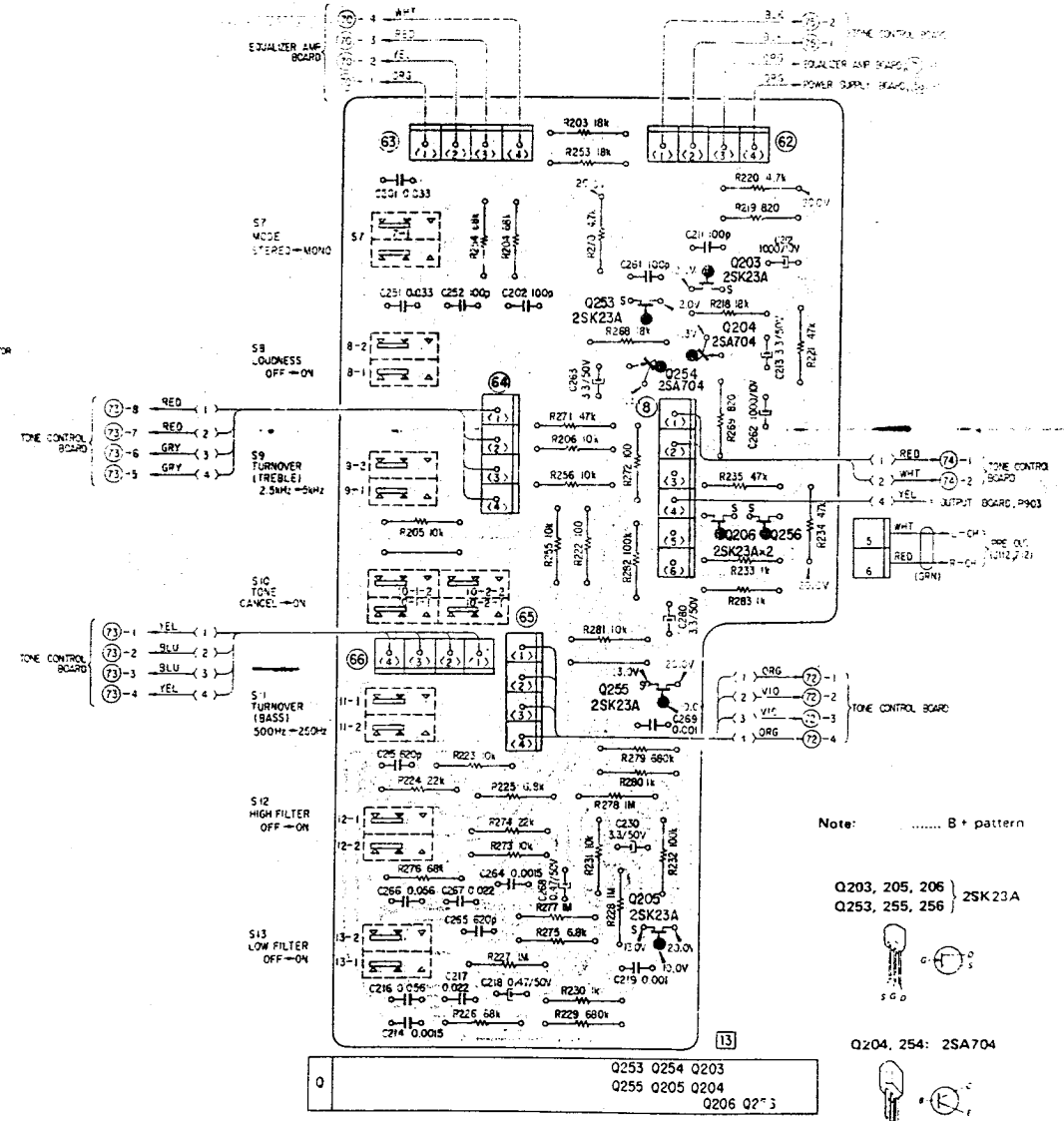
Note: B+ pattern



3-5. MOUNTING DIAGRAM - FILTER BOARD -

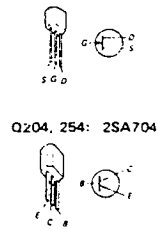
- Conductor Side -

UK Model: Up to serial No. 600,350
AEP Model: Up to serial No. 501,900



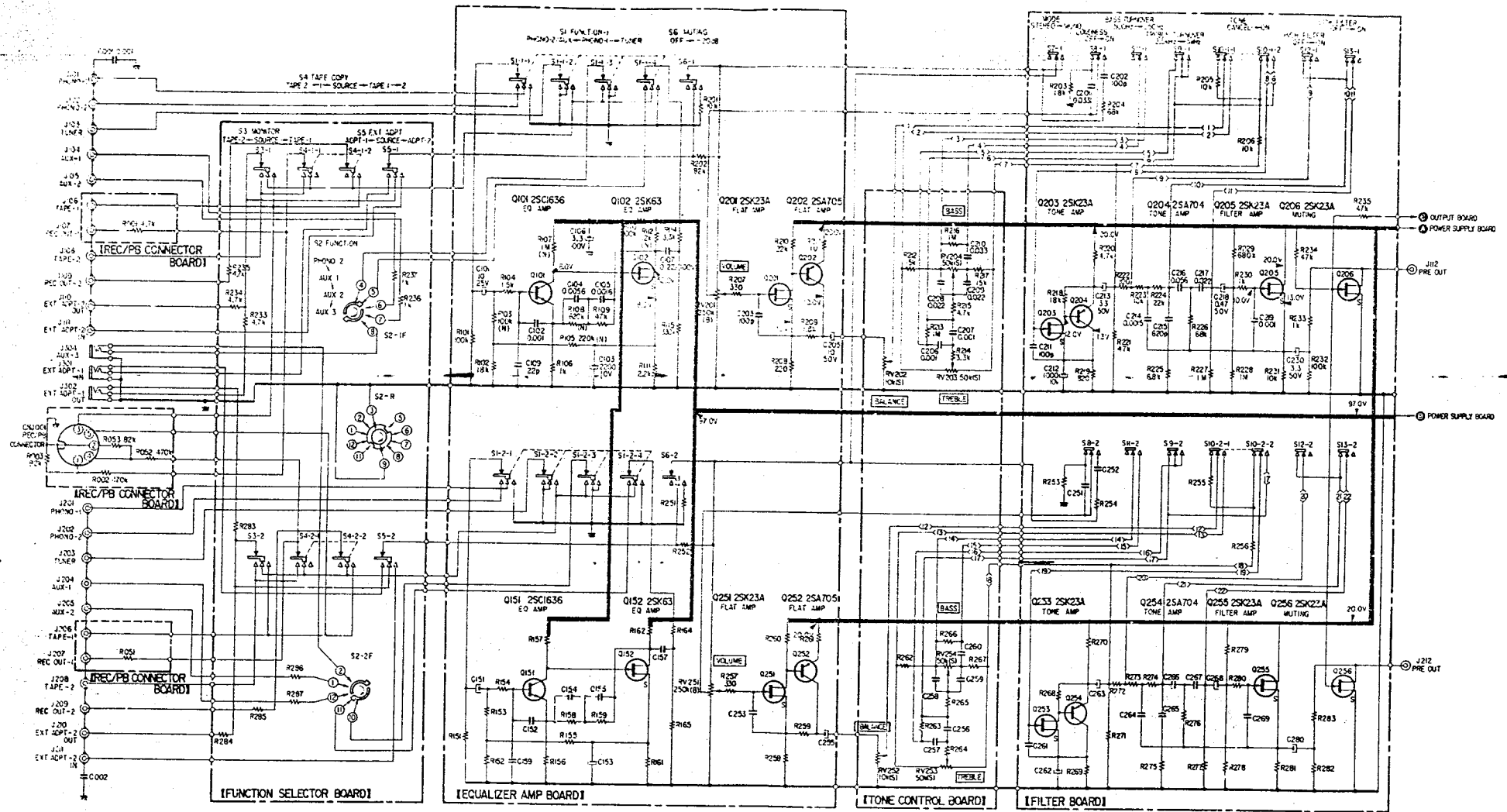
Note: B+ pattern

Q203, 205, 206 } 2SK23A
Q253, 255, 256 }



3-6. SCHEMATIC DIAGRAM - PREAMPLIFIER SECTION -

UK Model: Up to Serial No. 600,000
AEP Model: Up to Serial No. 601,000



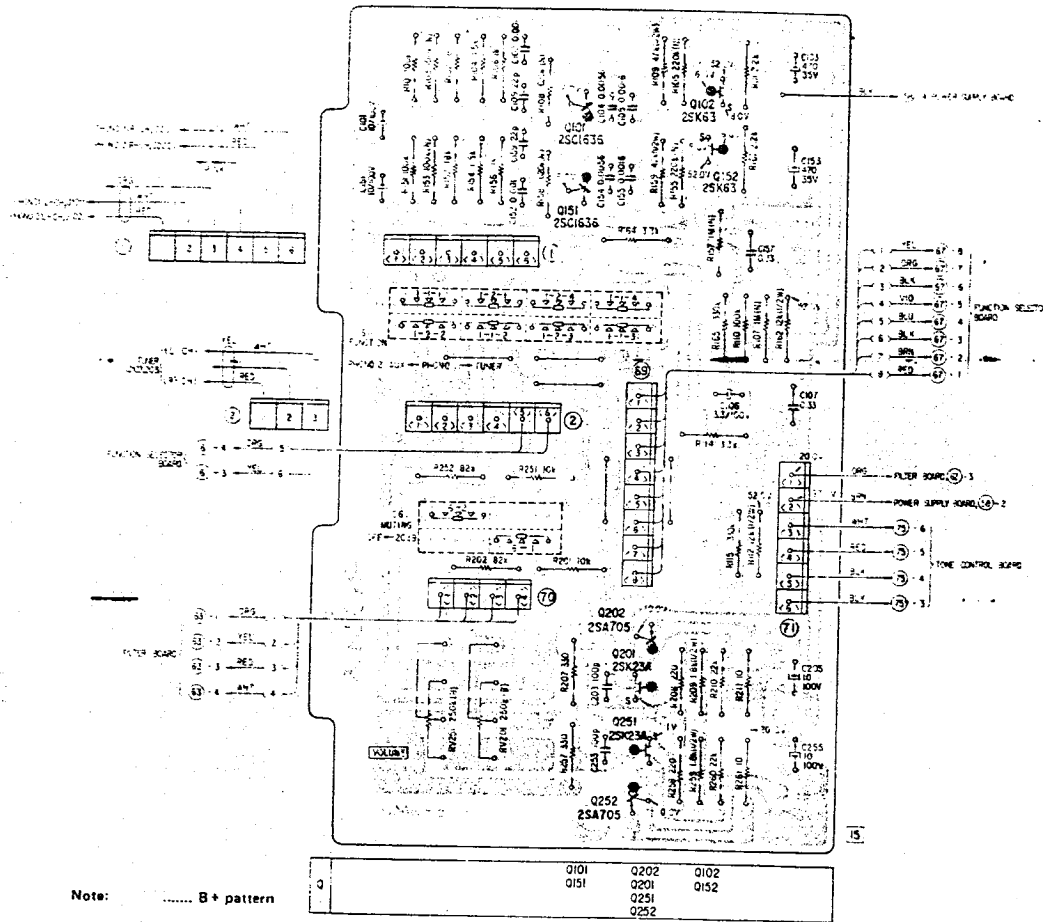
- S1---FUNCTION (PHONO)
- S2---FUNCTION (PHONO 2)
- S3---MONITOR (SOURCE)
- S4---TAPE COPY (SOURCE)
- S5---EXT ADPT (SOURCE)
- S6---MUTING (OFF)
- S7---MODE 1 STEREO
- S8---LOUDNESS (OFF)
- S9---TREBLE TURNOVER (2.5kHz)
- S10---TONE (CANCEL)
- S11---BASS TURNOVER (300Hz)
- S12---HIGH FILTER (OFF)
- S13---LOW FILTER (OFF)

Note:
All resistance values are in ohms. k = 1,000, M = 1,000k
All capacitance values are in μF except as indicated with p, which means μF .
All voltages are dc measured with a VOM which has an input impedance of 20k ohms/volt. No signal in.
Voltage variations may be noted due to normal production tolerances.

3-7. MOUNTING DIAGRAM - EQUALIZER AMPLIFIER BOARD -

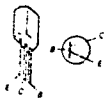
- Conductor Side -

US Model: Serial No. 800,001 and later
 Canadian Model: Serial No. 700,001 and later
 UK Model: Serial No. 600,351 and later
 AEP Model: Serial No. 501,901 and later

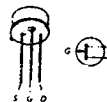


Note: B + pattern

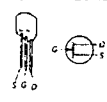
Q101, 151: 2SC1636



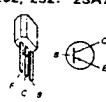
Q102, 152: 2SK63



Q201, 251: 2SK23A



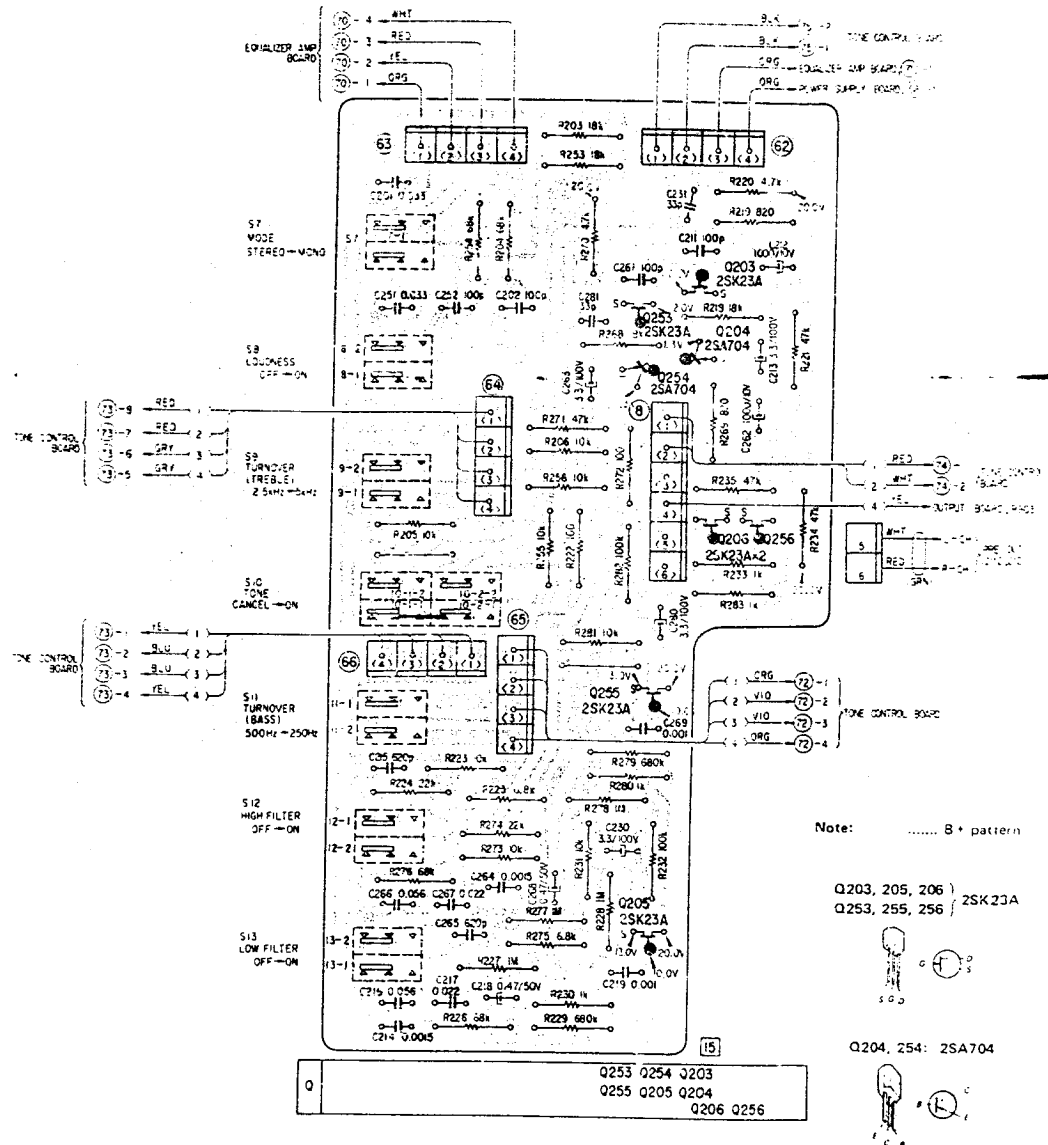
Q202, 252: 2SA705



3-8. MOUNTING DIAGRAM - FILTER BOARD -

- Conductor Side -

US Model: Serial No. 800,001 and later
 Canadian Model: Serial No. 700,001 and later
 UK Model: Serial No. 600,351 and later
 AEP Model: Serial No. 501,901 and later



Note: B + pattern

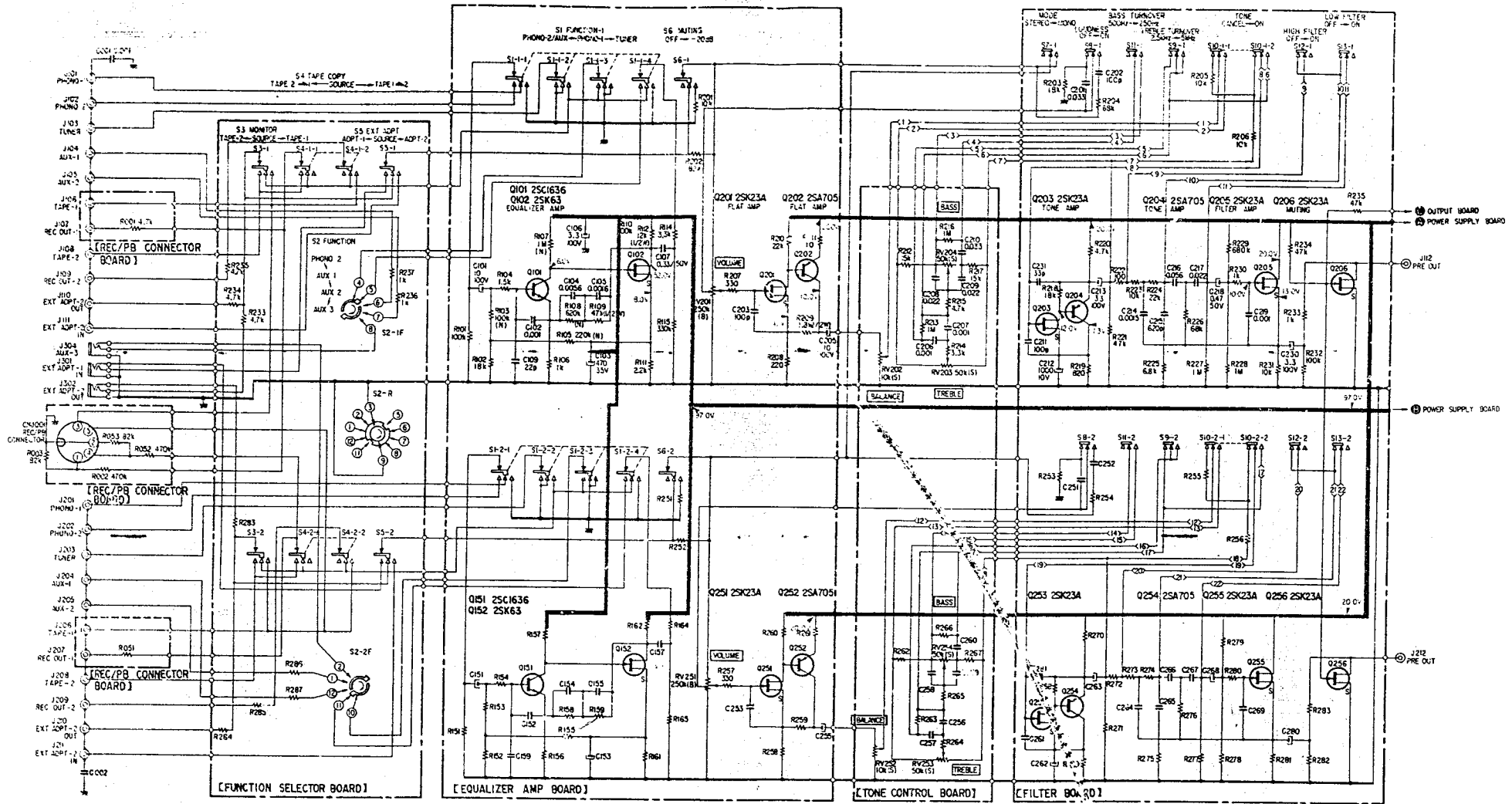
Q203, 205, 206 : 2SK23A
 Q253, 255, 256 : 2SK23A

Q204, 254: 2SA704



3-9. SCHEMATIC DIAGRAM - PREAMPLIFIER SECTION -

US Model: Serial No. 800,001 and later
 Canadian Model: Serial No. 700,001 and later
 UK Model: Serial No. 600,351 and later
 AEP Model: Serial No. 501,901 and later

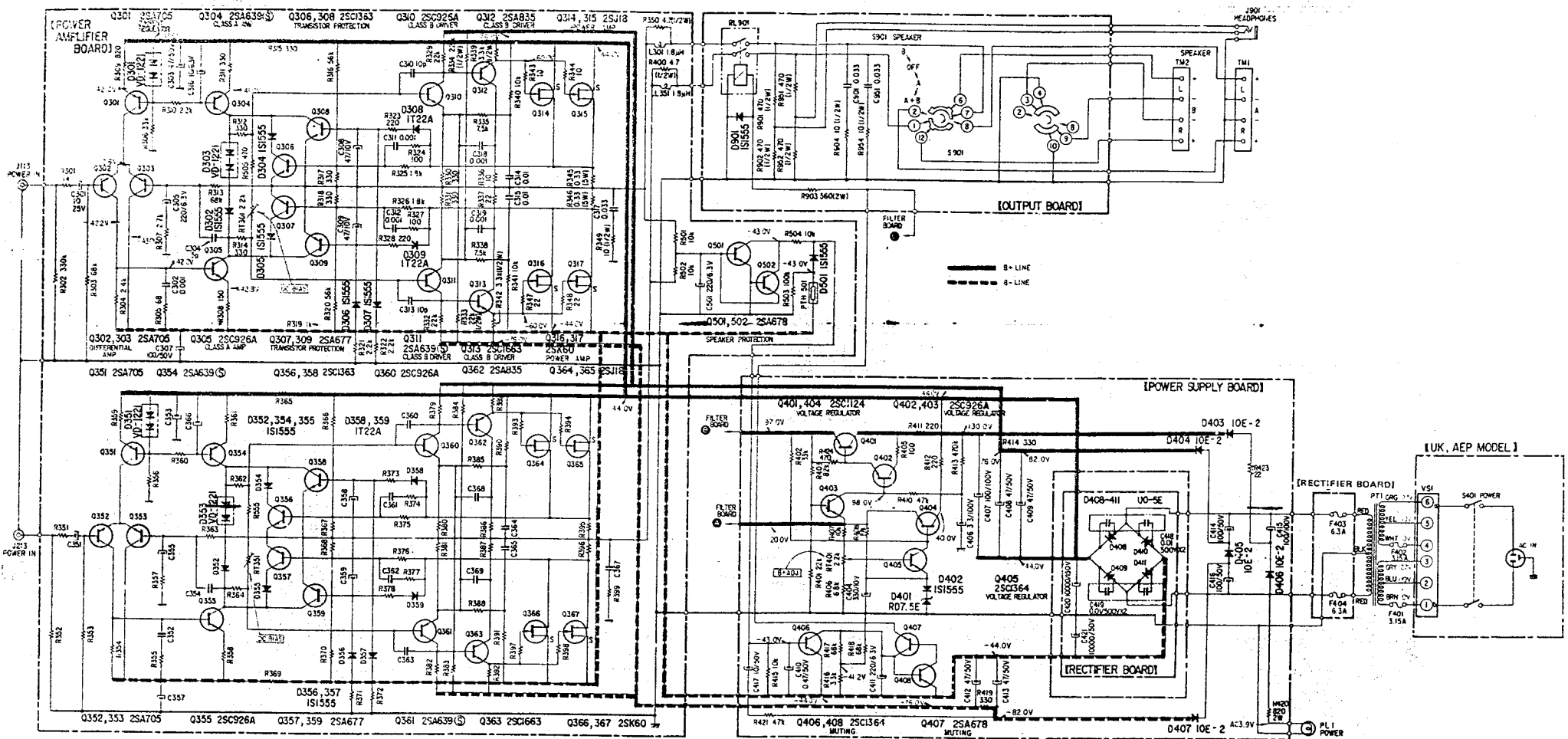


- S1---FUNCTION (PHONO 1)
- S2---FUNCTION (PHONO 2)
- S3---MONITOR (SOURCE)
- S4---TAPE COPY (SOURCE)
- S5---EXT ADPT (SOURCE)
- S6---MATING (OFF)
- S7---MODE (STEREO)
- S8---LOUDNESS (OFF)
- S9---TREBLE TURNOVER (2.5kHz)
- S10---TONE (CANCEL)
- S11---BASS TURNOVER (500Hz)
- S12---HIGH FILTER (OFF)
- S13---LOW FILTER (OFF)

Note:
 All resistance values are in ohms. k = 1,000, M = 1,000 k
 All capacitance values are in μF except as indicated with p, which means μF .
 All voltages are dc measured with a VOM which has an input impedance of 20 k ohms/volt. No signal in.
 Voltage variations may be noted due to normal production tolerances.

3-10. SCHEMATIC DIAGRAM - POWER AMPLIFIER SECTION -

UK Model: Up to Serial No. 600,350
 AEP Model: Up to Serial No. 501,900

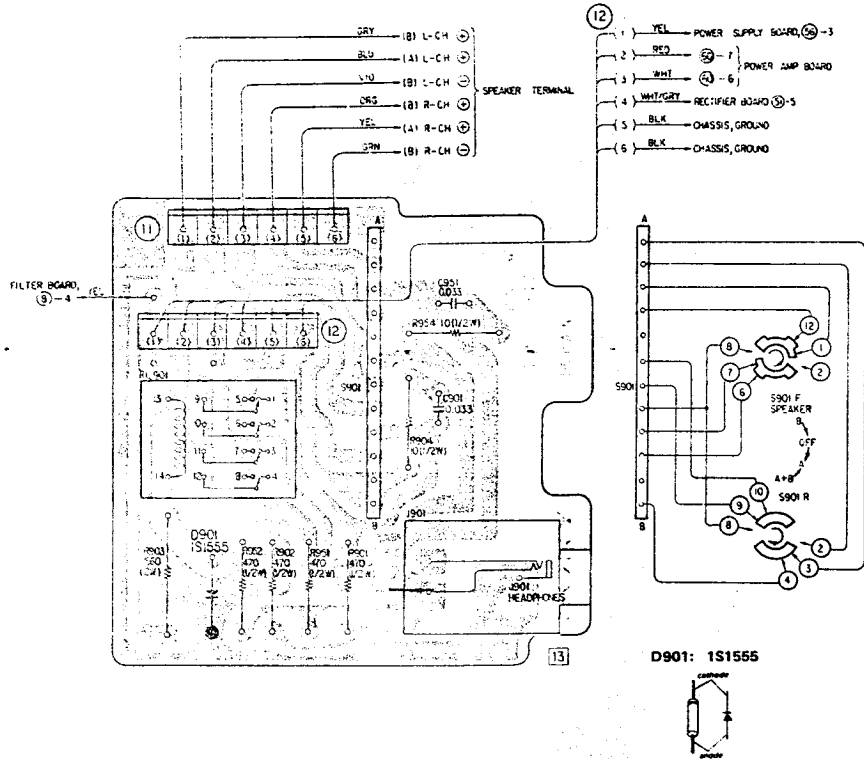


Note:
 All resistance values are in ohms. k = 1,000, M = 1,000k
 All capacitance values are in μ F except as indicated with p, which means μ F.
 All voltages are dc measured with a VOM which has an input impedance of 20 k ohms/volt. No signal in.
 Voltage variations may be noted due to normal production tolerances.

3-12. MOUNTING DIAGRAM - OUTPUT BOARD -

- Conductor Side -

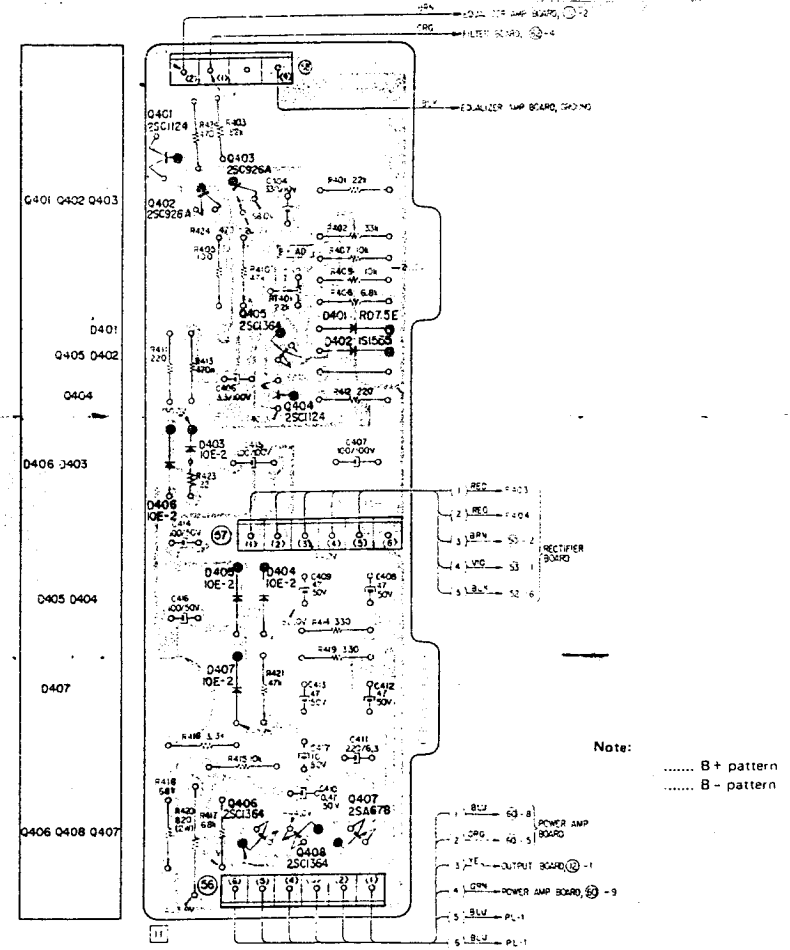
UK Model: Up to Serial No. 600,350
AEP Model: Up to Serial No. 501,900



3-13. MOUNTING DIAGRAM - POWER SUPPLY BOARD -

- Conductor Side -

UK Model: Up to Serial No. 600,350
AEP Model: Up to Serial No. 501,900



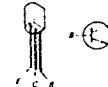
Q401, 404: 2SC1124



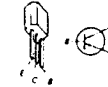
Q402, 403: 2SC926A



Q405, 406, 408: 2SC1364



Q407: 2SA678

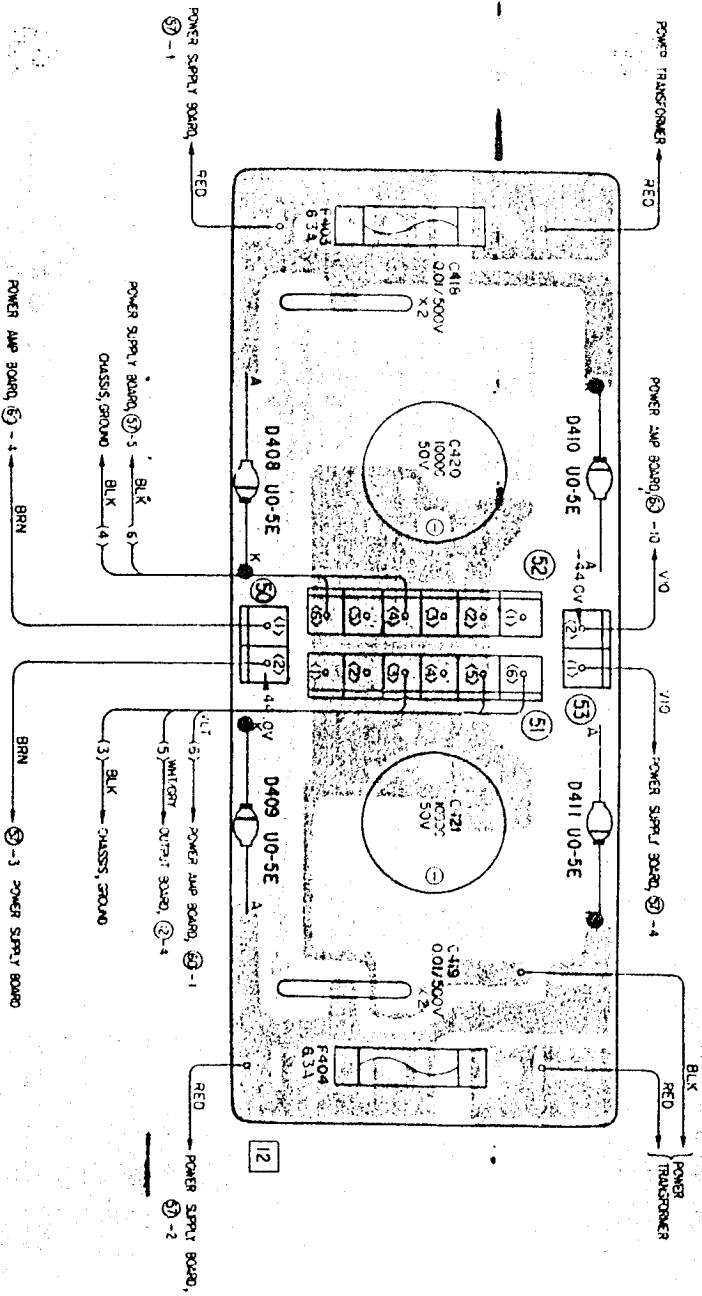
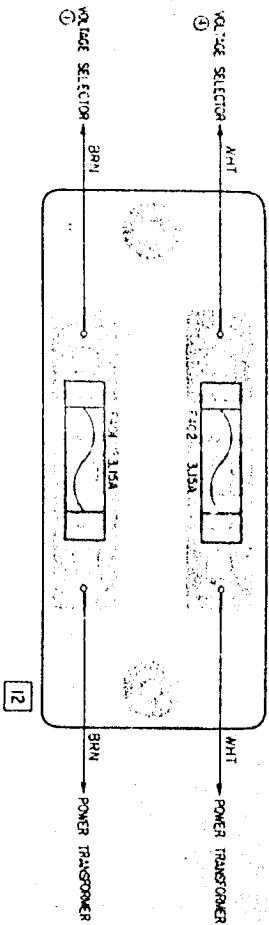


D401: RD-7.5E
D402: 1S1555
D403-407: 10E-2

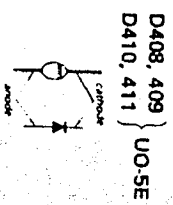


3-14. MOUNTING DIAGRAM - RECTIFIER/FUSE BOARDS -

- Component Side -

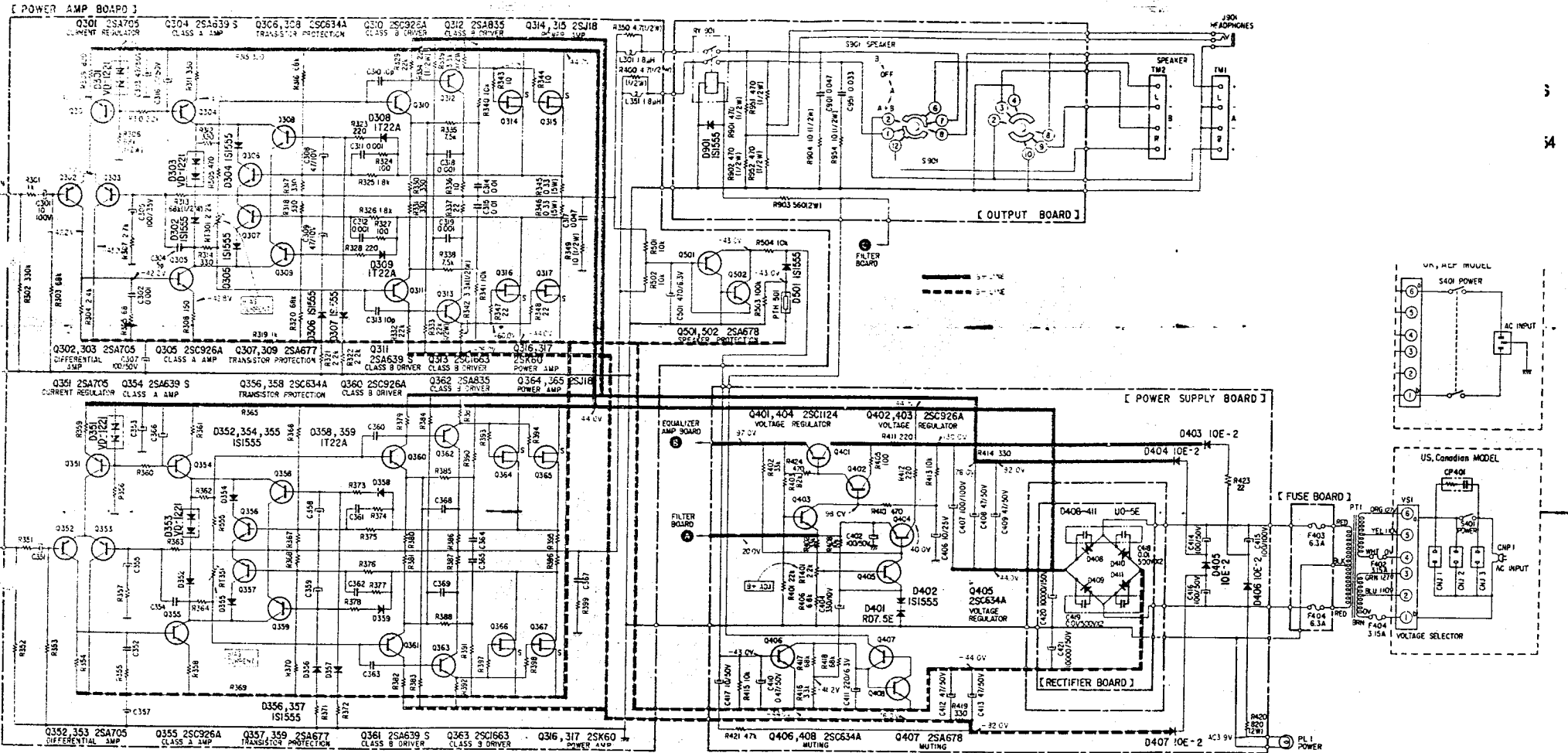


Note:
 B + pattern
 B - pattern



US Model: Serial No. 300,001 and later
 Canadian Model: Serial No. 700,001 and later
 UK Model: Serial No. 600,351 and later
 AEP Model: Serial No. 501,901 and later

3-15. SCHEMATIC DIAGRAM - POWER AMPLIFIER SECTION -

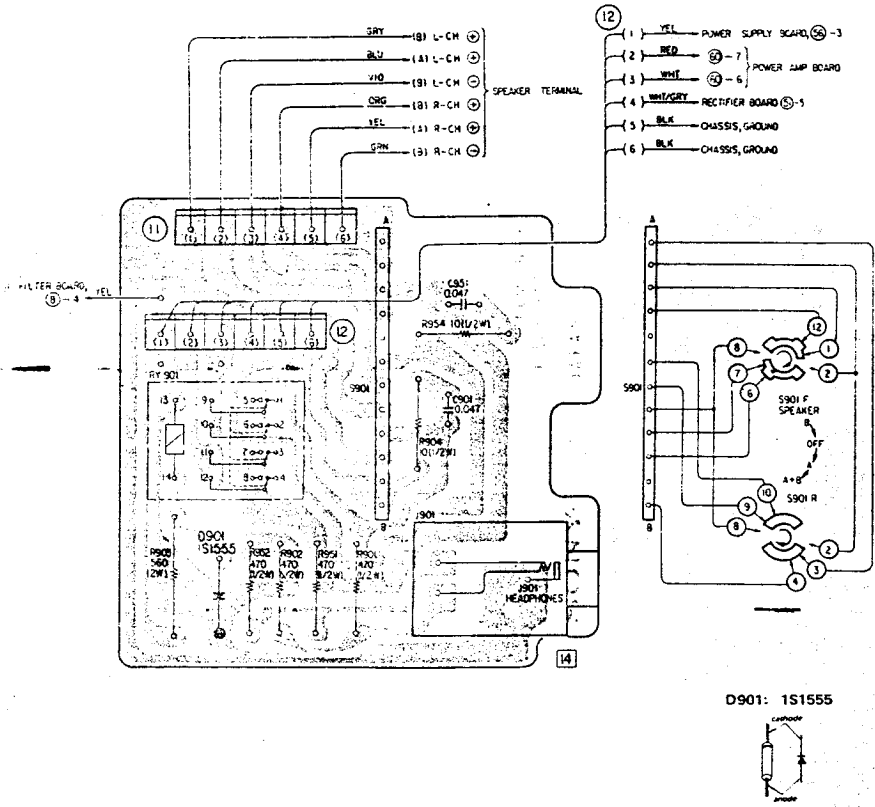


Note:
 All resistance values are in ohms. k = 1,000, M = 1,000 k
 All capacitance values are in μF except as indicated with p, which means μF .
 All voltages are dc measured with a VOM which has an input impedance of 20 k ohms/volt. No signal in.
 Voltage variations may be noted due to normal production tolerances.

3-17. MOUNTING DIAGRAM - OUTPUT BOARD --

- Conductor Side -

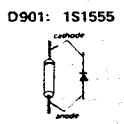
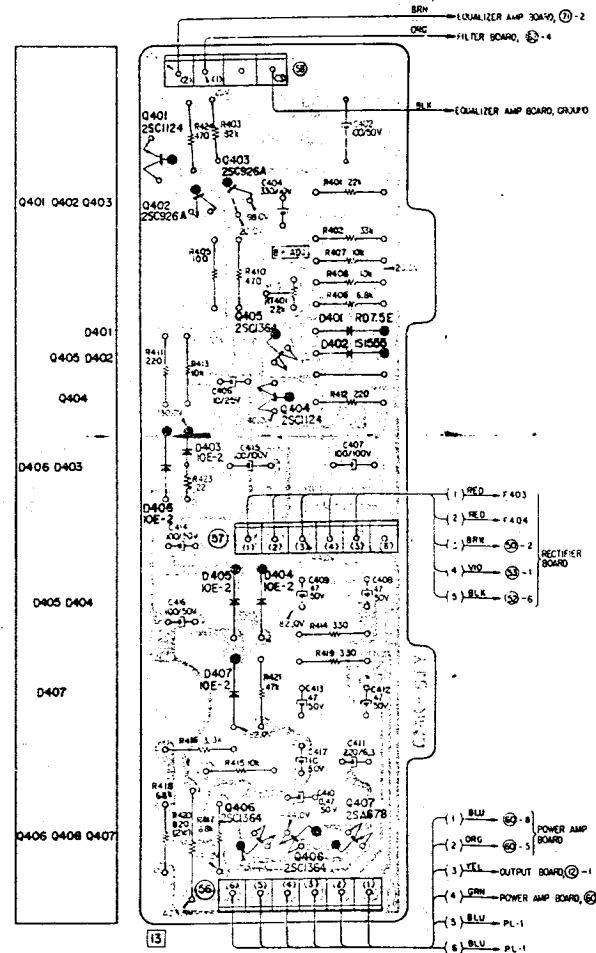
US Model: Serial No. 800,001 and later
 Canadian Model: Serial No. 700,001 and later
 UK Model: Serial No. 600,351 and later
 AEP Model: Serial No. 501,901 and later



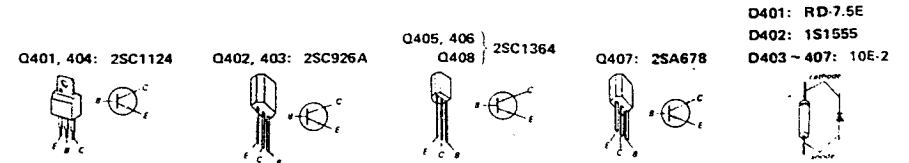
3-18. MOUNTING DIAGRAM - POWER SUPPLY BOARD --

- Conductor Side -

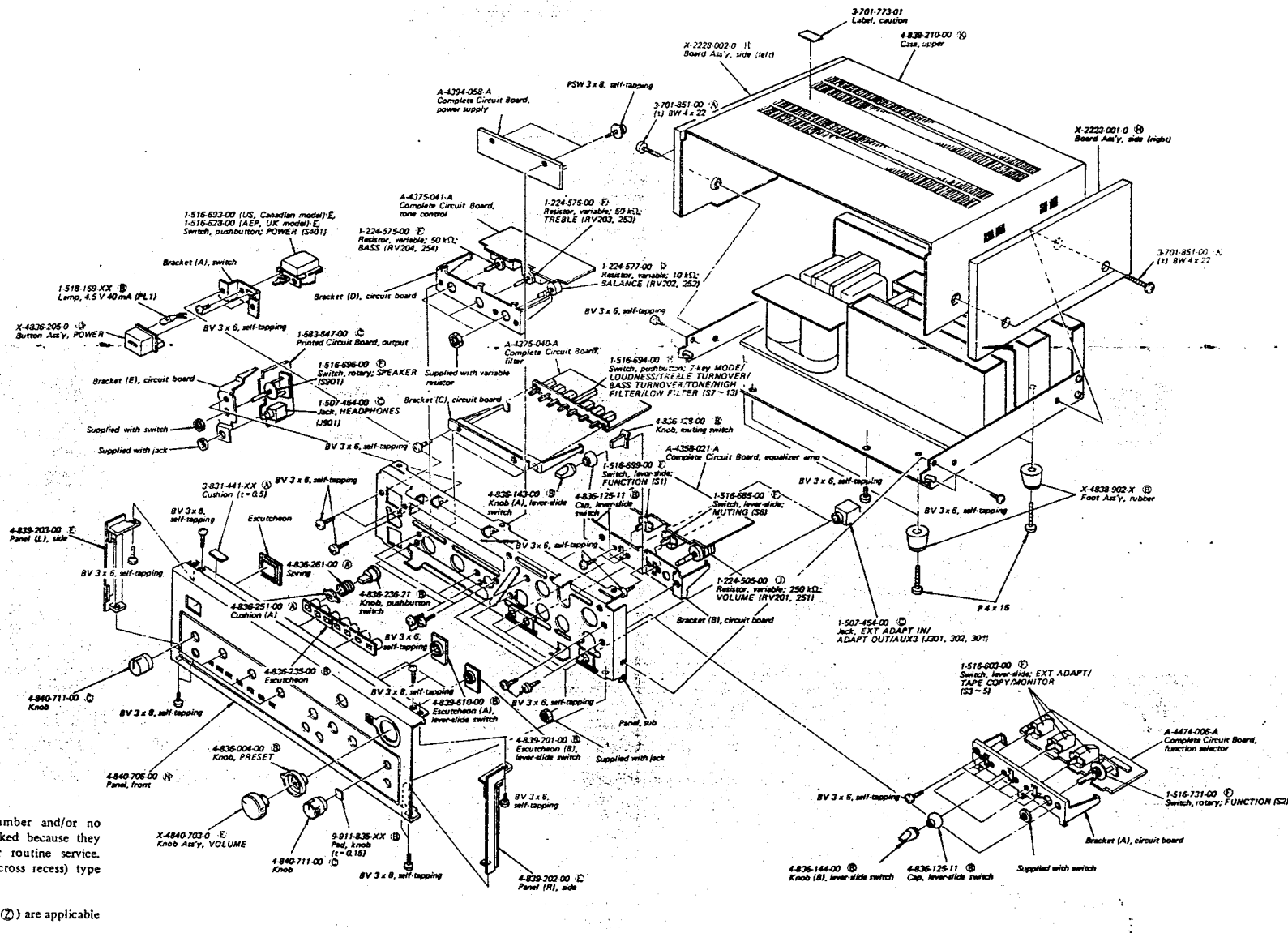
US Model: Serial No. 800,901 and later
 Canadian Model: Serial No. 700,001 and later
 UK Model: Serial No. 600,351 and later
 AEP Model: Serial No. 501,901 and later



Note:
 B + pattern
 B - pattern

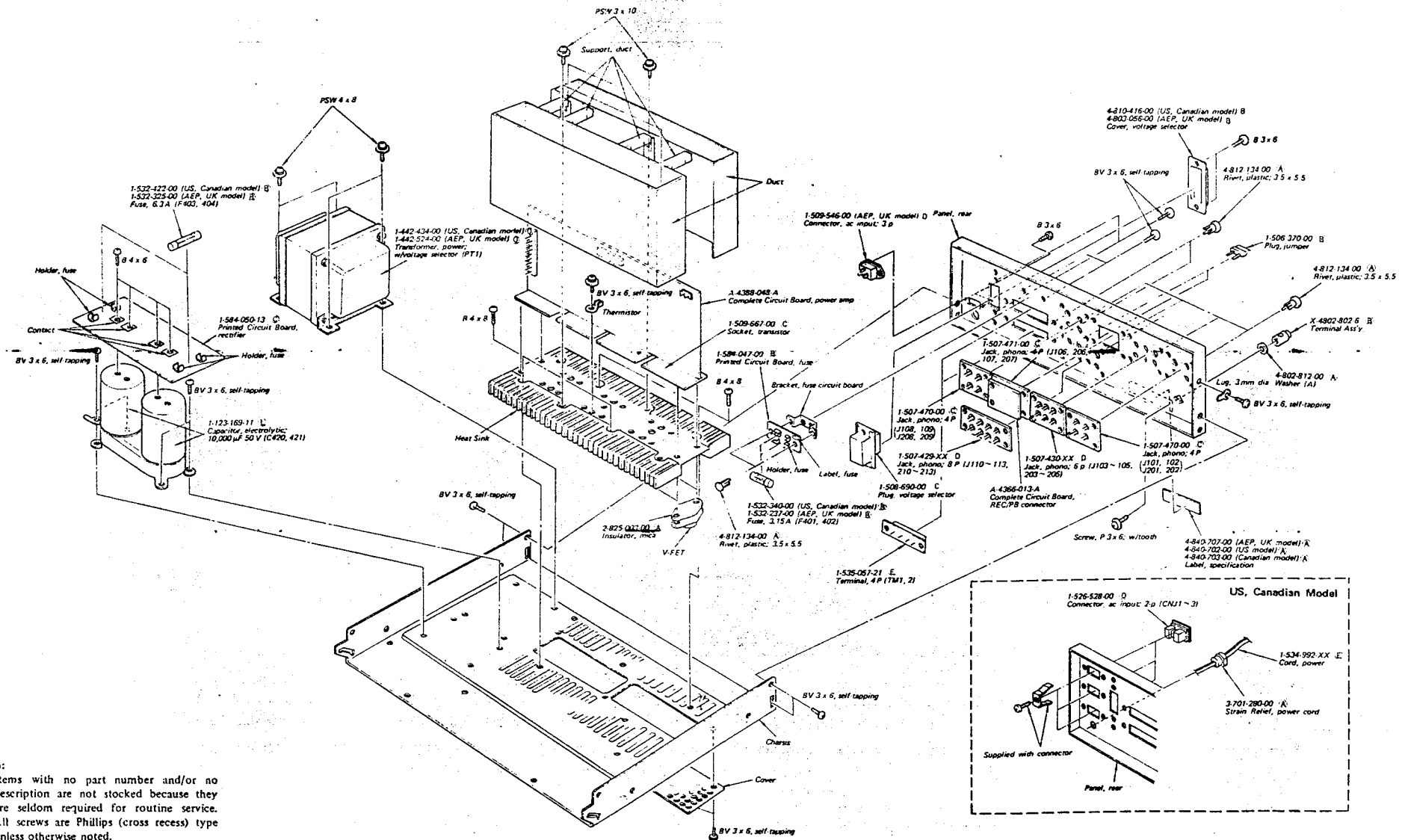


SECTION 4
EXPLODED VIEWS



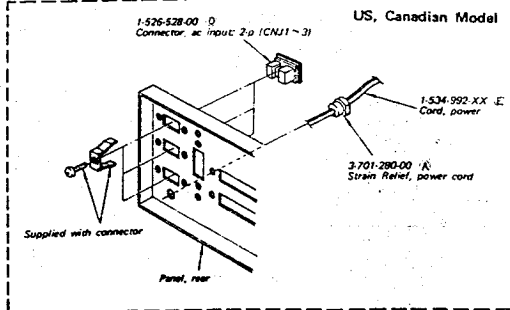
Note:

- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head
- The circled letters (A) to (Z) are applicable for European model only.



Note:

- o Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- o All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head
- o The circled letters (A to Z) are applicable for European model only.



SECTION 5
ELECTRICAL PARTS LIST

Note: The circled letters (A) to (Z) are applicable for European model only.

| Mark | Applicable Serial No. |
|------|--|
| □ | UK model: Up to Serial No. 600,350 AEP model: Up to Serial No. 501,900 |
| ■ | USA model: Serial No. 800,001 and later Canada model: Serial No. 700,001 and later UK model: Serial No. 600,351 and later AEP model: Serial No. 501,901 and later |

Note: The circled letters (A) to (Z) are applicable for European model only.

| Ref. No. | Part No. | Description |
|--------------------------------|----------|-------------------|
| COMPLETE CIRCUIT BOARDS | | |
| A-4358-021-A | | Equalizer Amp |
| A-4366-013-A | | REC/PB Connector |
| A-4375-040-A | | Filter |
| A-4375-041A | | TONE Control |
| A-4388-048-A | | Power Amp |
| A-4394-058-A | | Power Supply |
| A-4474-006-A | | Function Selector |

| Ref. No. | Part No. | Description |
|----------|-------------|-------------|
| Q314,364 | (K) 2SJ18 | |
| Q315,365 | | |
| Q316,366 | (J) 2SK60 | |
| Q317,367 | | |
| Q401 | (C) 2SC1124 | |
| Q402,403 | (D) 2SC926A | |
| Q404 | (C) 2SC1124 | |
| Q405,406 | (B) 2SC1364 | |
| Q407 | (C) 2SA678 | |
| Q408 | (B) 2SC1364 | |

| Ref. No. | Part No. | Description |
|-------------------------------|---------------|-------------|
| PRINTED CIRCUIT BOARDS | | |
| I-583-847-00 | (C) Output | |
| I-584-047-00 | (B) Fuse | |
| I-584-050-13 | (C) Rectifier | |

| Ref. No. | Part No. | Description |
|----------|------------|-------------|
| Q501,502 | (C) 2SA678 | |

| SEMICONDUCTORS | | |
|-----------------------|-------------|--|
| Transistors | | |
| Q101,151 | (B) 2SC1636 | |
| Q102,152 | (C) 2SK63 | |
| Q201,251 | (C) 2SK23A | |
| Q202,252 | (C) 2SA705 | |
| Q203,253 | (C) 2SK23A | |
| Q204,254 | (C) 2SA705 | |
| Q205,255 | (C) 2SK23A | |
| Q206,256 | | |

| Diodes | | |
|---------------|--|--|
| D301,351 | (B) VD1221 | |
| D302,352 | (B) IS1555 | |
| D303,353 | (B) VD1221 | |
| D304~307 | | |
| D354~357 | (C) IS1555 | |
| D308,358 | | |
| D309,359 | (B) IT22A | |
| D401 | (B) RD7.5E | |
| D402 | (B) IS1555 | |
| D403~407 | (B) 10E-2 | |
| D408~411 | (C) U05E | |
| D501,901 | (B) IS1555 | |
| PTH501 | 1-800-340-21 (B) Thermistor (positive) | |

| | | |
|----------|-------------|--|
| Q301~303 | | |
| Q351~353 | (C) 2SA705 | |
| Q304,354 | (C) 2SA639S | |
| Q305,355 | (D) 2SC926A | |
| Q306,356 | (B) 2SC1364 | |

| COIL | | |
|-------------|--------------------------------------|--|
| L301,351 | 1-407-592-00 (A) Microinductor 1.8μH | |

| | | |
|----------|-------------|--|
| Q307,357 | (C) 2SA677 | |
| Q308,358 | (B) 2SC1364 | |
| Q309,359 | (C) 2SA677 | |
| Q310,360 | (D) 2SC926A | |
| Q311,361 | (C) 2SA639S | |
| Q312,362 | (E) 2SA835 | |
| Q313,363 | (D) 2SC1663 | |

| TRANSFORMER | | |
|--------------------|--|--|
| PT1 | 1-442-434-00 (C) Power (USA, Canada model) | |
| PT1 | 1-442-524-00 (C) Power (AEP, UK model) | |

| Ref. No. | Part No. | Description |
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CAPACITORS

All capacitors are in μF and electrolytic type unless otherwise indicated.
50 or less working volts are omitted except for electrolytic type. (p = μμF)

| | | |
|----------|-------------------------|------------|
| C001,002 | 1-102-074-11 (A) 0.001 | ceramic |
| C101,151 | □ 1-121-748-11 (A) 10 | 25V |
| | ■ 1-121-126-11 (A) 10 | 100V |
| C102,152 | 1-108-227-12 (A) 0.001 | mylar |
| C103,153 | □ 1-121-659-11 (B) 2200 | 10V |
| | ■ 1-121-361-11 (B) 470 | 35V |
| C104,154 | 1-103-743-11 (B) 0.0056 | polystyrol |
| C105,155 | 1-103-730-11 (A) 0.0016 | polystyrol |
| C106 | 1-121-995-11 (B) 3.3 | 100V |
| C107,157 | □ 1-105-729-12 (A) 0.22 | 100V mylar |
| | ■ 1-108-822-12 (A) 0.33 | 50V mylar |
| C109,159 | 1-102-967-11 (A) 22p | ceramic |
| C201,251 | 1-108-591-12 (A) 0.033 | mylar |
| C202,252 | 1-102-973-11 (A) 100p | ceramic |
| C203,253 | | |
| C205,255 | □ 1-123-051-11 (A) 10 | 50V |
| | ■ 1-121-126-11 (A) 10 | 100V |
| C206,256 | | |
| C207,257 | 1-108-555-12 (A) 0.001 | mylar |
| C208,258 | 1-108-587-12 (A) 0.022 | mylar |
| C209,259 | | |
| C210,260 | 1-108-591-12 (A) 0.033 | mylar |
| C211,261 | 1-102-973-11 (A) 100p | ceramic |
| C212,262 | 1-121-736-11 (B) 1000 | 10V |
| | □ 1-121-914-11 (B) 3.3 | 50V |
| C213,263 | ■ 1-121-995-11 (B) 3.3 | 100V |
| C214,264 | 1-108-559-12 (A) 0.0015 | mylar |
| C215,265 | 1-103-720-11 (A) 620p | polystyrol |
| C216,266 | 1-108-597-12 (A) 0.056 | mylar |
| C217,267 | 1-108-587-12 (A) 0.022 | mylar |
| C218,268 | 1-121-911-11 (A) 0.47 | 50V |
| C219,269 | 1-108-227-12 (A) 0.001 | mylar |
| C230,280 | □ 1-121-914-11 (B) 3.3 | 50V |
| | ■ 1-121-995-11 (B) 3.3 | 100V |
| C231,281 | ■ 1-102-963-11 (A) 33p | ceramic |

| Ref. No. | Part No. | Description |
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| | | |
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| C301,351 | □ 1-121-748-11 (A) 10 | 25V |
| | ■ 1-121-126-11 (A) 10 | 100V |
| C302,352 | 1-108-227-12 (A) 0.001 | mylar |
| C303,353 | 1-123-058-11 (A) 47 | 50V |
| C304,354 | 1-102-807-11 (A) 5p | ceramic |
| C305,355 | □ 1-121-419-11 (B) 220 | 6.3V |
| | ■ 1-121-357-11 (B) 100 | 35V |
| C307,357 | 1-123-059-11 (B) 160 | 50V |
| C308,358 | | |
| C309,359 | 1-121-927-11 (B) -7 | 10V |
| C310,360 | 1-102-947-11 (A) 10p | ceramic |
| C311,361 | 1-108-227-12 (A) 0.001 | mylar |
| C312,362 | | |
| C313,363 | 1-102-947-11 (A) 10p | ceramic |
| C314,364 | 1-108-239-12 (A) 0.01 | mylar |
| C315,365 | | |
| C316,366 | □ 1-121-469-11 (A) 10 | 6.3V |
| | ■ 1-121-738-11 (A) 10 | 50V |
| C317,367 | □ 1-108-244-12 (A) 0.033 | mylar |
| | ■ 1-108-868-12 (A) 0.047 | mylar |
| C318,368 | | |
| C319,369 | 1-108-227-12 (A) 0.001 | mylar |
| C402 | ■ 1-121-417-11 (B) 100 | 50V |
| C404 | 1-121-805-11 (B) 330 | 10V |
| C406 | □ 1-121-995-11 (A) 3.3 | 100V |
| | ■ 1-121-398-11 (A) -10 | 25V |
| C407 | 1-123-084-11 (C) 100 | 100V |
| C408,409 | 1-123-058-11 (B) 47 | 50V |
| C410 | 1-121-726-11 (A) 0.47 | 50V |
| C411 | 1-121-419-11 (A) 220 | 6.3V |
| C412,413 | 1-123-058-11 (B) 47 | 50V |
| C414 | 1-123-059-11 (B) 100 | 50V |
| C415 | 1-123-084-11 (C) 100 | 100V |
| C416 | 1-123-059-11 (B) 100 | 50V |
| C417 | 1-121-738-11 (A) 10 | 50V |
| C418,419 | 1-102-355-11 (A) 0.01 | 500V ceramic |
| C420,421 | 1-123-169-11 (L) 10000 | 50V |
| C501 | □ 1-121-419-11 (B) 220 | 6.3V |
| | ■ 1-123-077-11 (B) 470 | 6.3V |
| C901,951 | □ 1-108-244-12 (A) 0.033 | mylar |
| | ■ 1-108-868-12 (A) 0.047 | mylar |

Note: The circled letters (A) to (Z) are applicable for European model only.

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| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|---|--------------|--|----------------------|--------------|--|--------------------|--------------|-----------------------------------|
| RESISTORS | | | | | | ACCESSORIES | | |
| All resistors are in ohms. Regular type ±5%, 1/4W carbon and composition resistors are omitted. Check the schematic diagram for the resistance values. (k = 1000, M = 1000 k) | | | S7-13 | 1-516-694-00 | H Push, 7-key; MODE, LOUDNESS, TREBLE TURNOVER, BASS TURNOVER, TONE, HIGH FILTER, LOW FILTER | TM1,2 | 1-535-057-21 | E Terminal, 4-p |
| R109,159 | 1-244-913-11 | A 47 k 1/2W carbon | S401 | 1-516-628-00 | E Pushbutton, POWER (AEP, UK model) | | 1-506-370-00 | B Plug, jumper |
| R112,162 | 1-244-899-11 | A 12 k 1/2W carbon | | 1-516-693-00 | E Pushbutton, POWER (USA, Canada model) | | 1-508-690-00 | C Plug, voltage selector |
| R209,259 | 1-244-879-11 | A 1.8 k 1/2W carbon | S901 | 1-516-696-00 | F Rotary, SPEAKER | | 1-509-667-00 | C Socket, transistor |
| R306,356 | 1-244-917-11 | A 68 k 1/2W carbon | JACKS | | | | 1-534-992-XX | E Cord, power (USA, Canada model) |
| R313,363 | 1-244-917-11 | A 68 k 1/2W carbon | CNJ001 | 1-509-549-00 | B Connector, REC/PB | | | |
| R333,383 | 1-244-905-11 | A 22 k 1/2W carbon | CNJ1-3 | 1-526-528-00 | D Connector, ac; 2-p (USA, Canada model) | | | |
| R339,389 | 1-211-650-11 | A 3.3 k 1/2W carbon | | 1-509-546-00 | D Connector, ac; 3-p (AEP, UK model) | | | |
| R342,392 | | | J101,201 | | | | | |
| R345,395 | 1-217-157-11 | A 0.33 5W wire-wound | J102,202 | 1-507-470-00 | C Phono, 4-p; PHONO 1, 2 | | | |
| R346,396 | | | J103-105 | | | | | |
| R349,399 | 1-211-590-11 | A 10 1/2W carbon | J203-205 | 1-507-430-XX | D Phono, 6-p; TUNER, AUX 1, 2 | | | |
| R350,450 | 1-244-817-11 | A 4.7 1/2W carbon | J106,206 | 1-507-471-00 | C Phono, 4-p; TAPE 1, REC OUT 1 | | | |
| R420 | 1-206-662-11 | A 820 2W metal oxide | J107,207 | | | | | |
| R901,951 | 1-244-865-11 | A 470 1/2W carbon | J108,208 | 1-507-470-00 | C Phono, 4-p; TAPE 2, REC OUT 2 | | | |
| R902,952 | | | J109,209 | | | | | |
| R903 | 1-206-658-11 | A 560 2W metal oxide | J110-113 | 1-507-429-XX | D Phono, 8-p; EXT ADPT 2, PRE OUT, POWER IN | | | |
| R904,905 | 1-211-590-11 | A 10 1/2W carbon | J301,302 | 1-507-454-00 | C EXT ADAPT IN, ADAPT OUT, AUX 3 | | | |
| RT301,351 | 1-224-489-00 | B 2.2 k adjustable | J304 | | | | | |
| RT401 | 1-224-250-XX | C 2.2 k adjustable | J901 | 1-507-454-00 | C HEADPHONES | | | |
| RV201,251 | 1-224-505-00 | D 250 k variable; VOLUME | MISCELLANEOUS | | | | | |
| RV202,252 | 1-224-577-00 | D 10 k variable; BALANCE | CP401 | 1-231-057-31 | B Encapsulated Component (USA, Canada model) | | | |
| RV203,253 | 1-224-576-00 | F 50 k variable; TREBLE | F401,402 | 1-532-340-00 | B Fuse, 3.15A (USA, Canada model) | | | |
| RV204,254 | 1-224-575-00 | F 50 k variable; BASS | | 1-532-237-00 | B Fuse, 3.15A (AEP, UK model) | | | |
| SWITCHES | | | F403,404 | 1-532-325-00 | B Fuse, 6.3A (AEP, UK model) | | | |
| S1 | 1-516-699-00 | E Lever-slide, FUNCTION | | 1-532-422-00 | B Fuse, 6.3A (USA, Canada model) | | | |
| S2 | 1-516-731-00 | F Rotary, FUNCTION | PL1 | 1-518-169-XX | B Lamp, 4.5V 40mA | | | |
| S3-5 | 1-516-603-00 | F Lever-slide, EXT ADAPT, TAPE COPY, MONITOR | RY901 | 1-515-257-00 | H Relay | | | |
| S6 | 1-516-685-00 | E Lever-slide, MUTING | | | | | | |

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