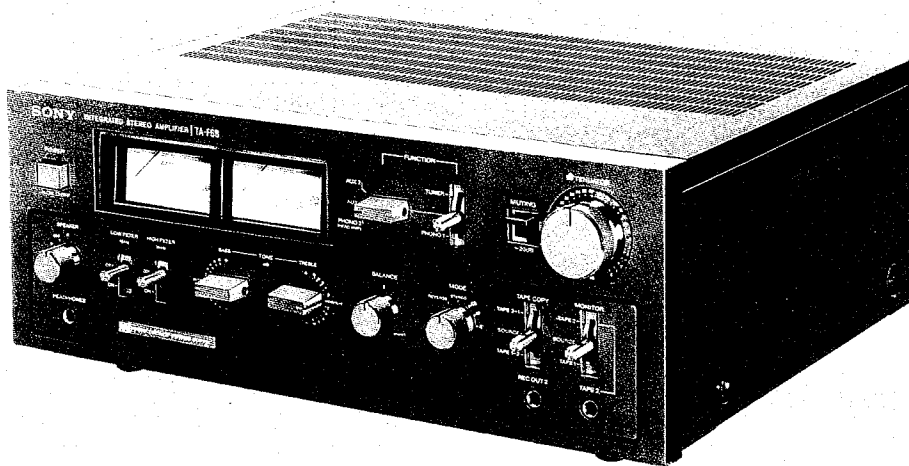


TA-F6B

US Model
Canadian Model
AEP Model
UK Model
E Model




INTEGRATED STEREO AMPLIFIER

SPECIFICATIONS


GENERAL

| | |
|----------------------------|---|
| Power Requirements: | 120 V ac, 60 Hz (US, Canadian model) 110 — 120 V and 220 — 240 V ac, adjustable 50/60 Hz (AEP, UK, E model) |
| Power Consumption: | 190 W (US model) 490 VA (Canadian model) 450 W (AEP, E model) 550 W (UK model) |
| Dimensions: | Approx. 430 (w) x 170 (h) x 390 (d) mm 16 ⁷ / ₈ (w) x 6 ³ / ₄ (h) x 15 ³ / ₈ (d) inches including projecting parts and controls |
| Weight: | Approx. 12.5 kg, 27 lb 9 oz (net) Approx. 14.2 kg, 31 lb 5 oz (in shipping carton) |

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND  MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT
À LA SÉCURITÉ !

LES COMPOSANTS IDENTIFIÉS PAR UN TRAMÉ ET UNE MARQUE  SUR LES DIAGRAMMES SCHEMATIQUES, LES VUES EXPLOSÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DES SUPPLÉMENTS PUBLIÉS PAR SONY.

POWER AMPLIFIER SECTION

| | |
|--|--|
| Power Output and Total Harmonic Distortion: | With 8 Ω loads, both channels driven, from 20—20,000 Hz; rated 100 W per channel minimum RMS power, with no more than 0.03 % total harmonic distortion from 250 mW to rated output. (US, Canadian model) |
| Continuous RMS Power Output: | At 20 Hz—20 kHz 100 W + 100 W (8 Ω) According to DIN 45500 100 W + 100 W (8 Ω) (AEP, UK, E model) |
| Power Bandwidth (IHF): | 5 Hz — 35 kHz (50 W output, 0.03 % THD, 8 Ω) (AEP, UK, E model) |
| Harmonic Distortion: | Less than 0.03 % at rated output Less than 0.015 % at 1 W/10 W output |
| Intermodulation (IM) Distortion: | Less than 0.03 % at rated output Less than 0.008 % at 1 W/10 W output (60 Hz : 7 kHz = 4 : 1) |
| Frequency Response: | DC — 100 kHz ⁺⁰ / ₋₁ dB |

— Continued on page 2 —

SONY®

SERVICE MANUAL

S/N Ratio: Greater than 115 dB, short-circuited input

Residual Noise: Less than 50 μ V (8 Ω , network A)

Damping Factor: 50 (8 Ω , 1 kHz)

Inputs: POWER INPUT
Sensitivity 1.3 V (4.5 dB), for rated output
Impedance 50 k Ω

Outputs: SPEAKER terminals A, B
Accept speakers of 4 — 16 Ω
(US, Canadian model)
Accept speakers of 8 — 16 Ω
(AEP, UK, E model)
HEADPHONES jack
Accepts low and high-impedance stereo headphones

Filters: LOW
6 dB/octave attenuation below 15 Hz
HIGH
6 dB/octave attenuation above 9 kHz

Residual Noise: $-\infty$ (infinity)

Inputs:

| | Sensitivity | Impedance | Phono overload (1 kHz) | S/N (weighting network, input level) |
|--------------------------------|-------------------|---------------|------------------------|--------------------------------------|
| PHONO 1 | 2.5 mV (−50 dB) | 50 k Ω | 250 mV | 85 dB (A, 2.5 mV) |
| PHONO 2 (HEAD AMP) | 0.08 mV (−80 dB) | 100 Ω | 8 mV | 70 dB (A, 0.08 mV) |
| TUNER AUX 1, 2 TAPE 1, 2 | 150 mV (−14.5 dB) | 50 k Ω | — | 105 dB (A, 150 mV) |

PREAMPLIFIER SECTION

Harmonic Distortion: Less than 0.003 %
(TUNER \rightarrow PRE OUTPUT, 10 V output, 1 kHz)

Intermodulation (IM) Distortion: Less than 0.003 %
(60 Hz : 7 kHz = 4 : 1) (TUNER \rightarrow PRE OUTPUT, 10 V output)

Frequency Response: PHONO 1, 2 RIAA equalization \pm 0.2 dB
TUNER
AUX 1, 2) 2 Hz — 150 kHz $^{+0}_{-1}$ dB
TAPE 1, 2

Tone Controls: BASS
 \pm 10 dB at 60 Hz
TREBLE
 \pm 10 dB at 25 kHz

Outputs:

| | Voltage | Impedance |
|--------------|---------------------------------------|-----------------------|
| REC OUT 1, 2 | 150 mV (−14.5 dB) (13.5 V at max.) | 10 k Ω |
| PRE OUTPUT | 1.3 V (4.5 dB) (10 V at max.) | 2.5 k Ω (max.) |

0 dB = 0.775 V

MODEL IDENTIFICATION

Specification Label

UK model

| | |
|---------------------|---|
| SONY ASCO | INTEGRATED STEREO AMPLIFIER MODEL NO. TA-F6B AC 110-120/220-240V \sim 50/60Hz 550W SERIAL NO. MADE IN JAPAN |
|---------------------|---|

Canadian model

| | |
|---------------------|--|
| SONY ASCO | INTEGRATED STEREO AMPLIFIER MODEL NO. TA-F6B AC 120V 60Hz 490VA SERIAL NO. MADE IN JAPAN |
|---------------------|--|

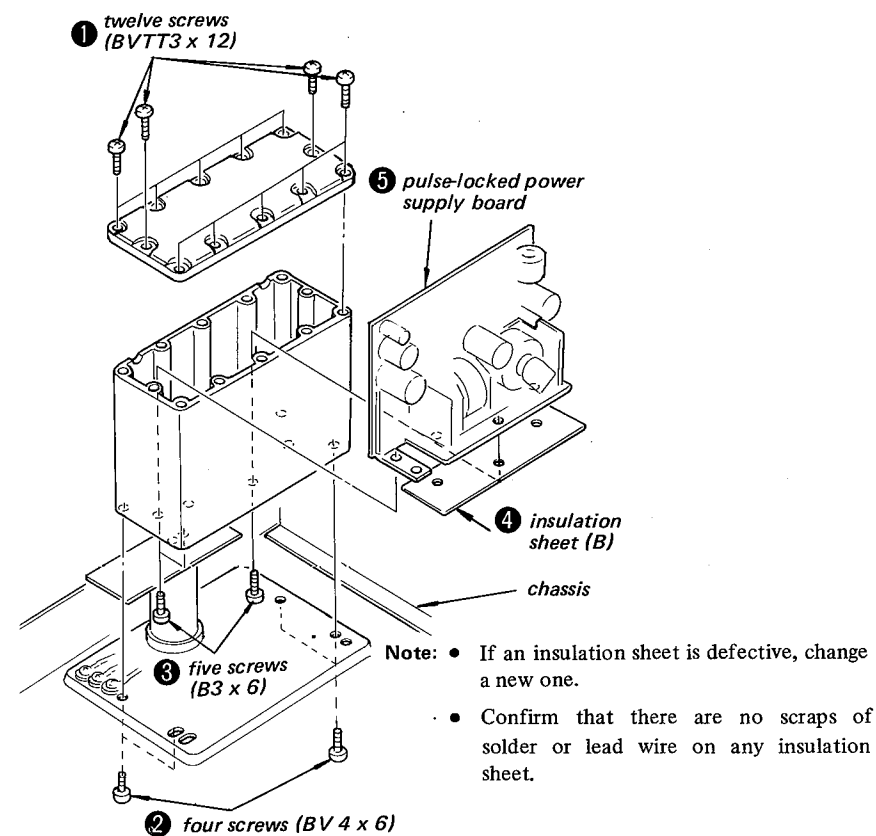
AEP, E model

| | |
|---------------------|---|
| SONY ASCO | INTEGRATED STEREO AMPLIFIER MODEL NO. TA-F6B AC 110-120/220-240V \sim 50/60Hz 450W SERIAL NO. MADE IN JAPAN |
|---------------------|---|

US model

| | |
|---------------------|---|
| SONY ASCO | INTEGRATED STEREO AMPLIFIER MODEL NO. TA-F6B AC 120V 60Hz 190W SERIAL NO. MADE IN JAPAN |
|---------------------|---|

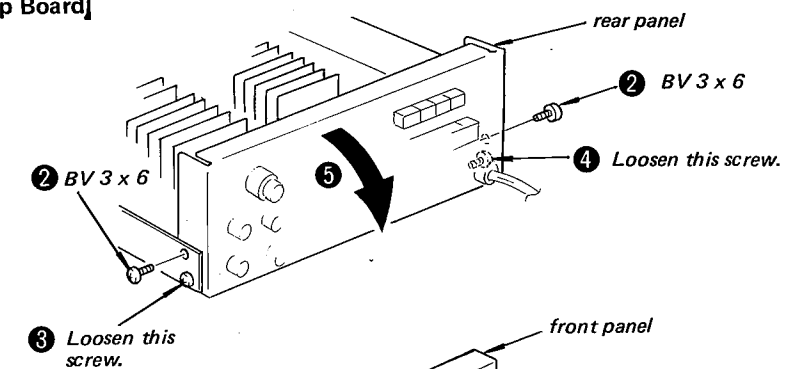
PULSE-LOCKED POWER SUPPLY BOARD REMOVAL



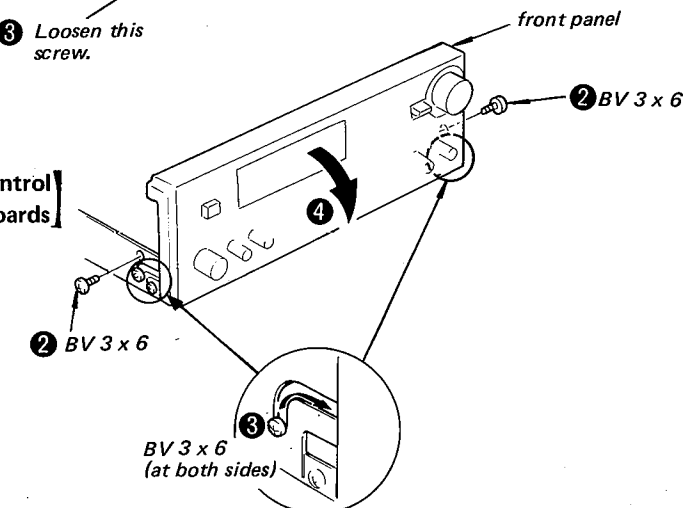
CIRCUIT BOARDS CHECKING AND REPAIRING

1 Remove the case (See page 6).

[Head Amp Board]

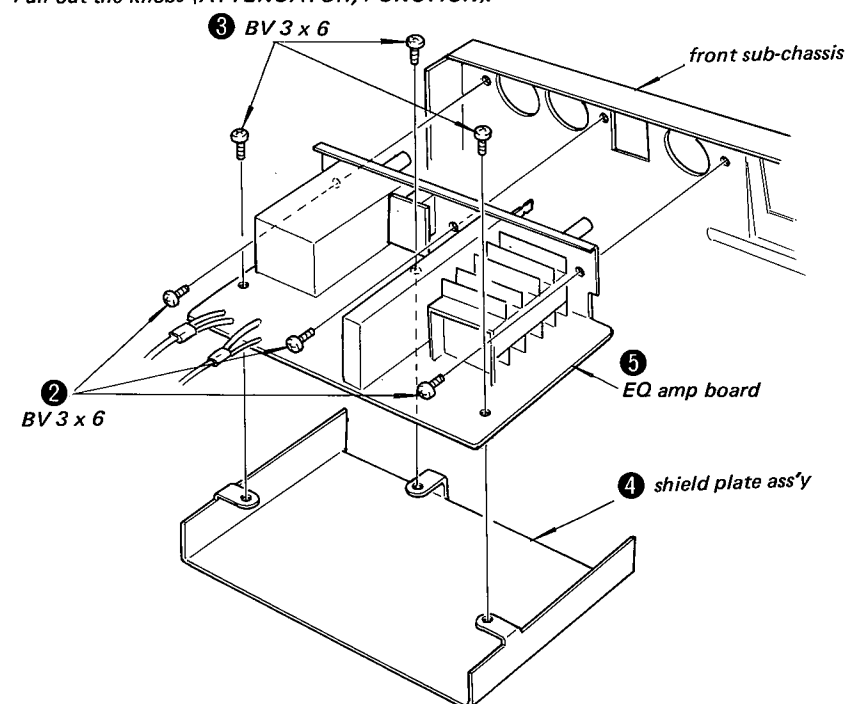


[EQ Amp, Control and Meter Boards]



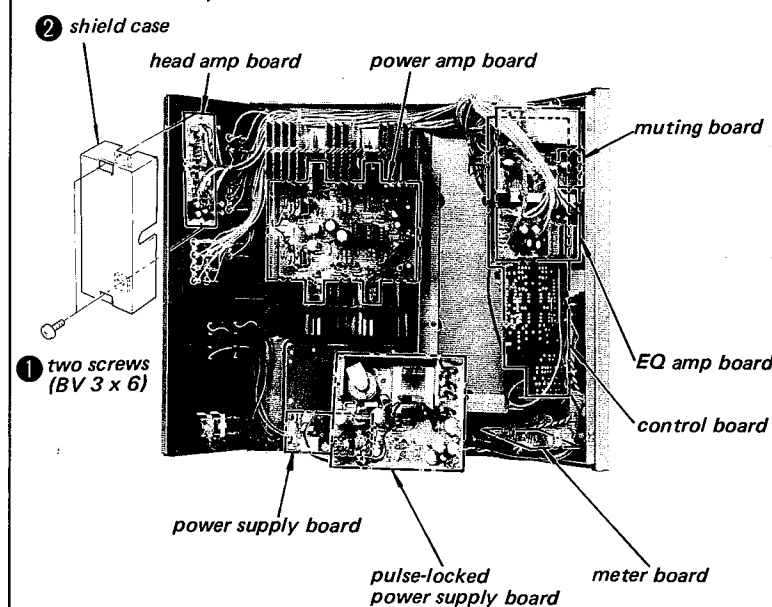
EQ AMP BOARD REMOVAL

1 Pull out the knobs (ATTENUATOR, FUNCTION).

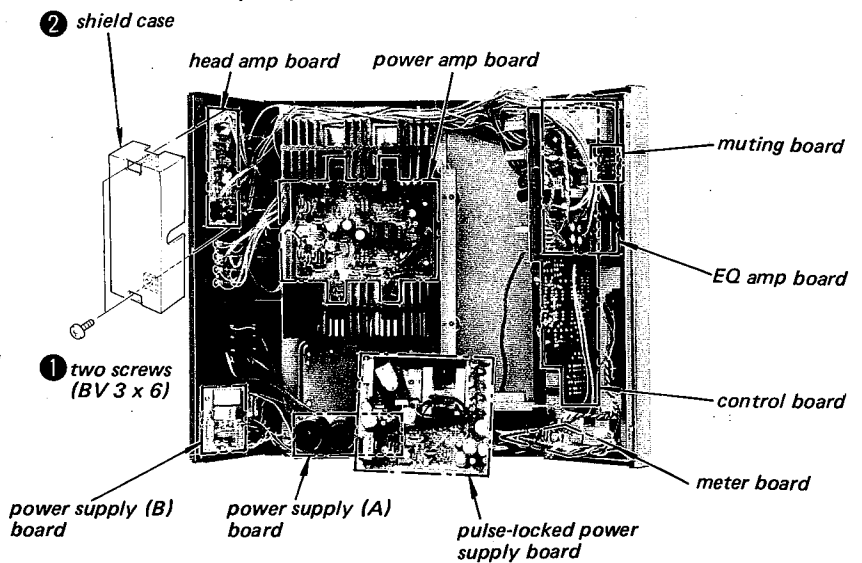


Each circuit board is located as shown below.

(US, Canadian model)



(AEP, UK, E model)

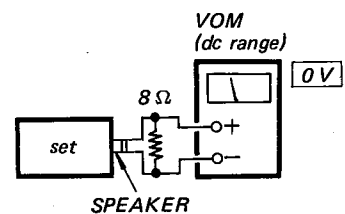


SECTION 3 ADJUSTMENTS

- Note:** 1. DC BIAS and DC BALANCE adjustments should be performed about several minutes later after the POWER switch (S10) is turned on.
2. Repeat DC BIAS and DC BALANCE adjustments two or three times.
3. After replacing the power transistors, DC BIAS and DC BALANCE adjustments should be performed.

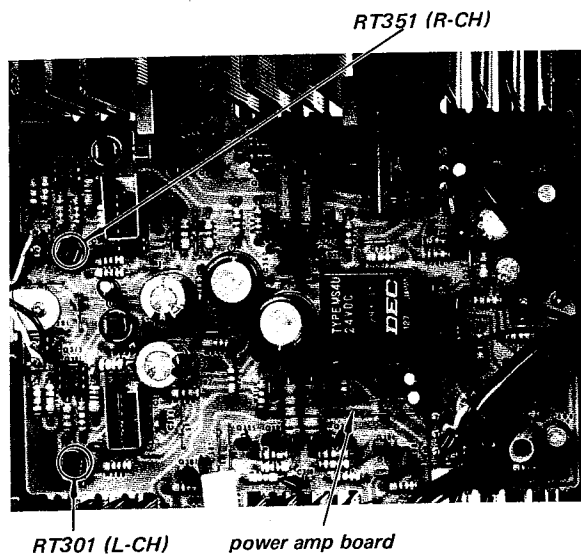
DC Balance Adjustment

Procedure:



Adjust RT301 (L-CH) and RT351 (R-CH) for 0 V reading on the VOM.

Adjustment Location:

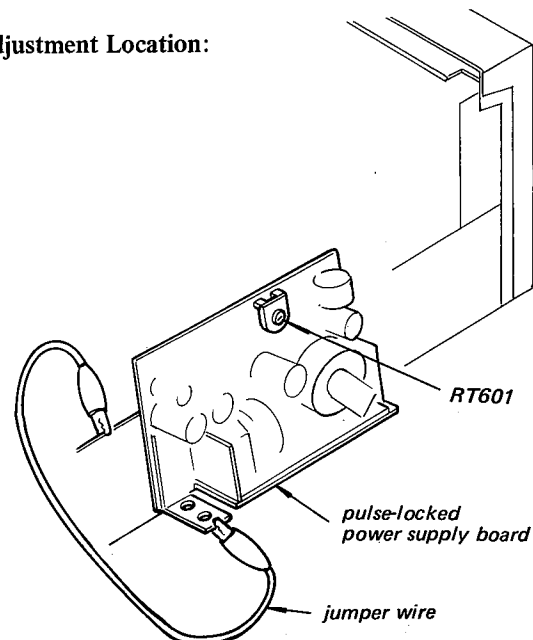


DC Voltage Adjustment

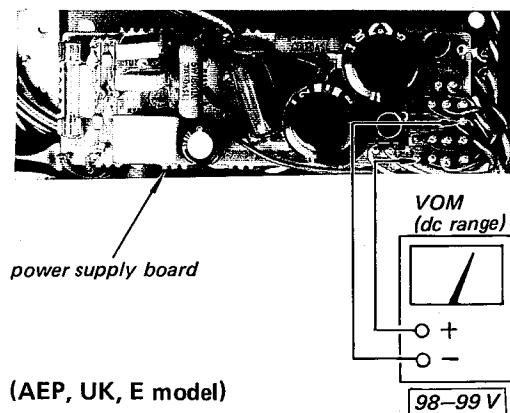
Procedure:

1. Connect a jumper wire.
2. Adjust RT601 for 98–99 V reading on the VOM.

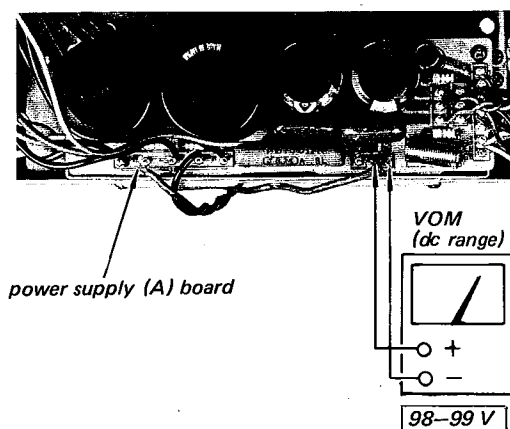
Adjustment Location:



(US, Canadian model)



(AEP, UK, E model)

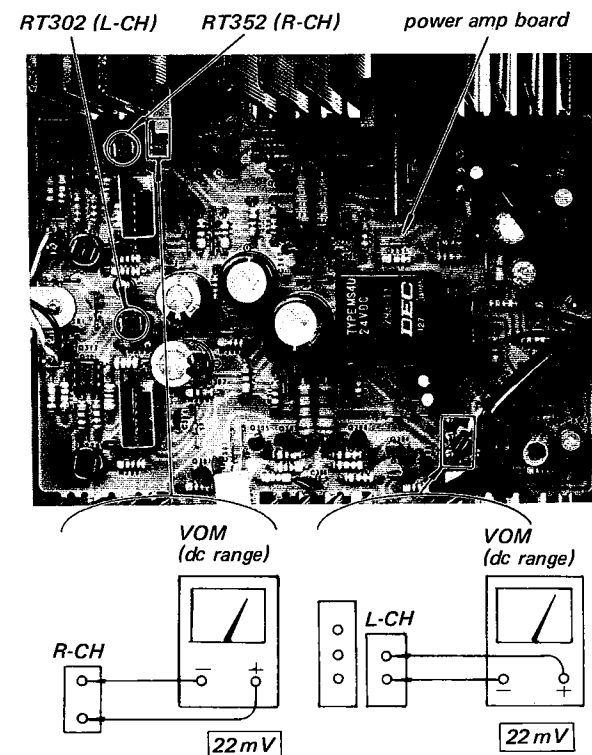


DC Bias Adjustment

Procedure:

Adjust RT302 (L-CH) and RT352 (R-CH) for 22 mV reading with no signal input.

Adjustment Location:

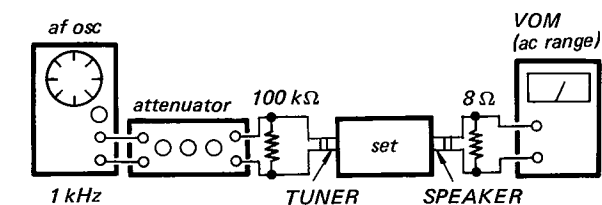


Meter Level Adjustment

Setting:

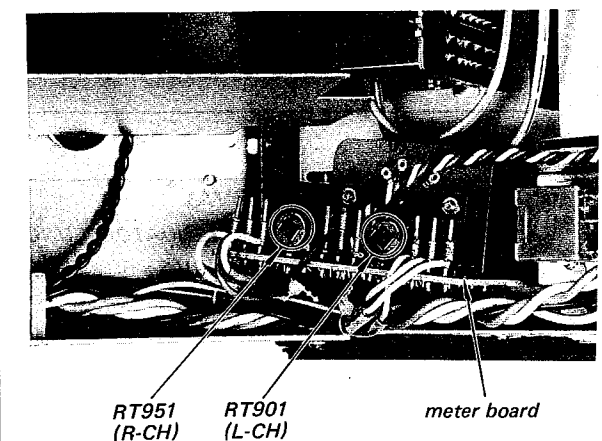
FUNCTION switch: TUNER

Procedure:



1. Turn the VOLUME control fully clockwise.
2. Adjust the TUNER input level for 2.83 V (1 W) reading on the VOM.
3. Adjust RT901 (L-CH) and RT951 (R-CH) so that the power meters indicate 1 W.

Adjustment Location:



SERVICING NOTES

1. REPLACEMENT OF THE TRANSFORMERS IN THE PULSE-LOCKED POWER-SUPPLY CIRCUIT

The lead wire arrangement for each of T601-603 in the inverter circuit are shown in Figs. 1 and 2.

As the repair parts, T603 is formed by an iron core and a coil winding, but T601 and T602 are only iron core. Thus, if the coils are defective, arrange a new transformers as shown in Fig. 1. Note that the lead lengths must be exact. Also wind the coil carefully.

The lead wires ⑤ to ⑧ are as follows:

- lead wire diameter: ⑦ and ⑧ are of equal diameter
⑤ and ⑥ are of equal diameter
- lead wire length: ⑤ longer than ⑥
⑦ longer than ⑧

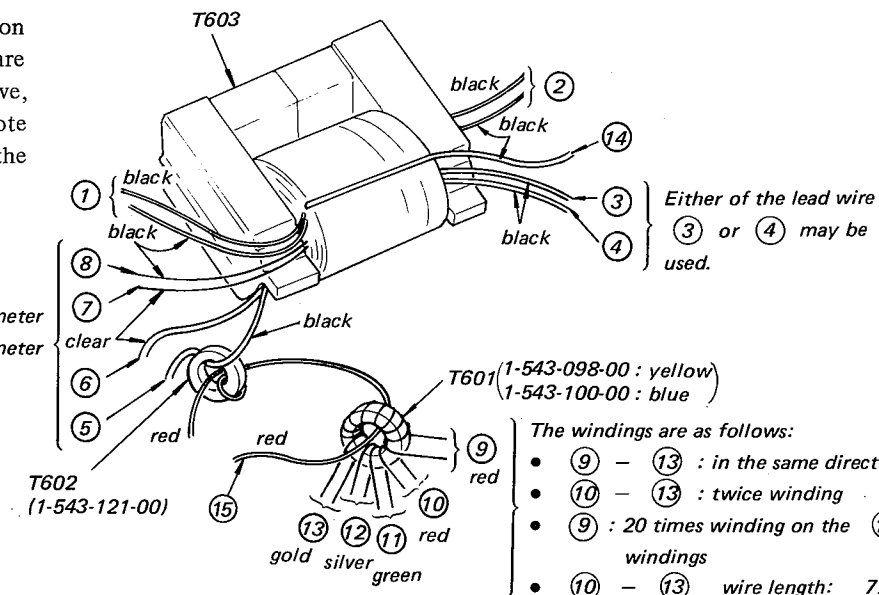
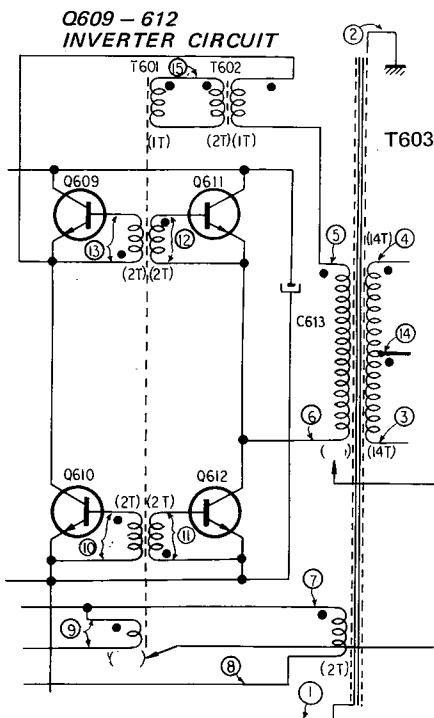


Fig. 1



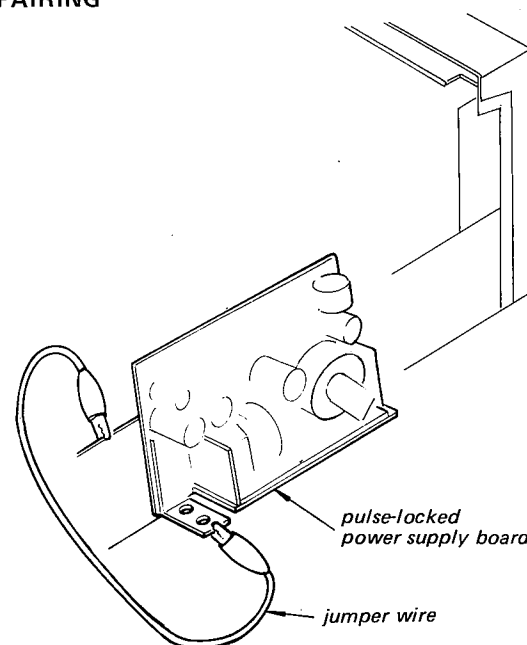
The dots (•) indicate same polarity.

Fig. 2

2. PULSE-LOCKED POWER SUPPLY BOARD REPAIRING

This set has a pulse-locked power-supply circuit which is quite different from a conventional power-supply circuit. The pulse-locked power-supply directly rectifies and smooths the ac input power to produce the higher dc voltages required in the power supply circuit. When servicing this set, note the following.

- 1) To prevent unwanted radiation due to pulse signals in the pulse-locked power-supply circuit, the pulse-locked power-supply board is shielded by the aluminum diecast box.
- 2) The negative circuit of the secondary rectifier in the pulse-locked power-supply circuit is grounded by screws in the aluminum diecast box. When checking the pulse-locked power-supply board out of the box, use a jumper wire as shown.



3. INVERTER CIRCUIT TRANSISTOR REPLACEMENT (Q609-612)

- 1) Be sure that there are no bits of solder and wire ends on the places marked *2 in Fig. 3.
- 2) Proceed the following items surely when replacing the transistors (Q609-612).

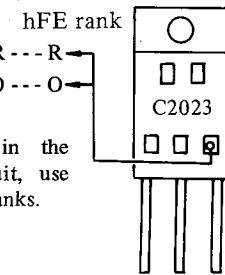
*Apply thermal compound coat to the positions marked *1 and *2 in Fig. 3 before mounting the transistors.

*Lay the F-shaped plate flat to ensure uniform contact with all 4 transistors (see Fig. 4).

AEP, UK, E model

Q609-612 8-729-302-31 8-729-302-32

2SC2023-R --- R
2SC2023-O --- O



Note: When replacing Q609-Q612 in the pulse-locked power-supply circuit, use those which have the same hFE ranks.

US, Canadian model

Q609-612 8-729-308-72

2SC1968D-O --- O

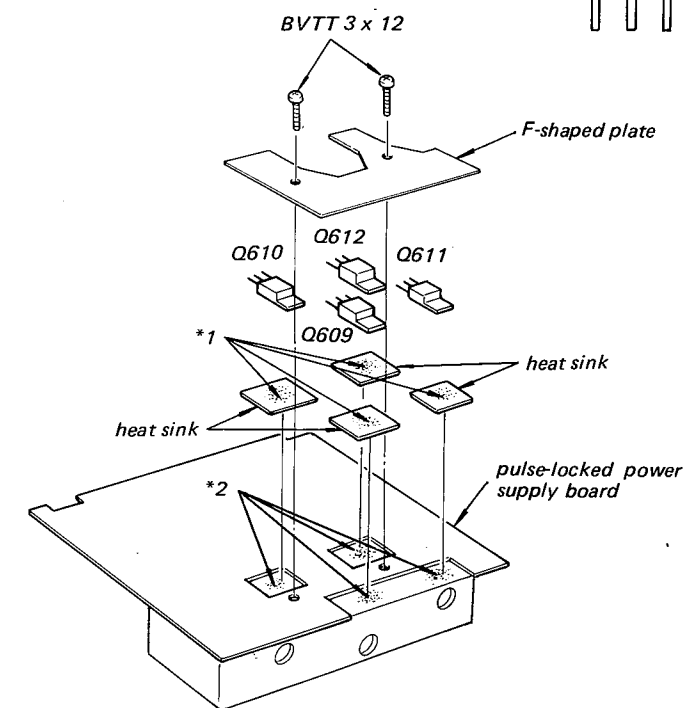
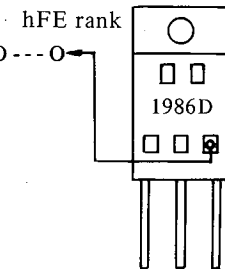


Fig. 3

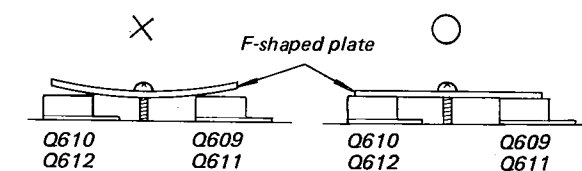
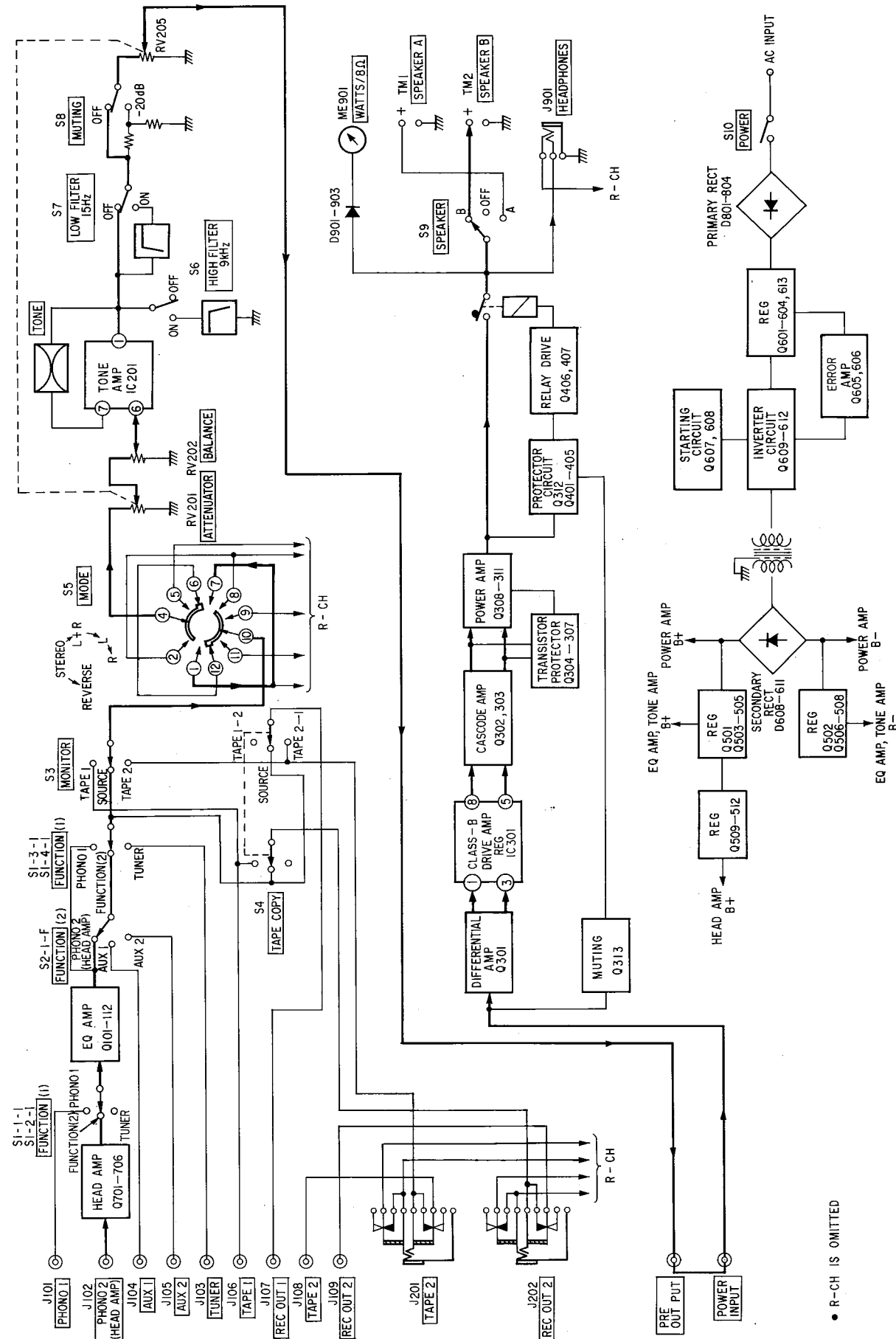


Fig. 4

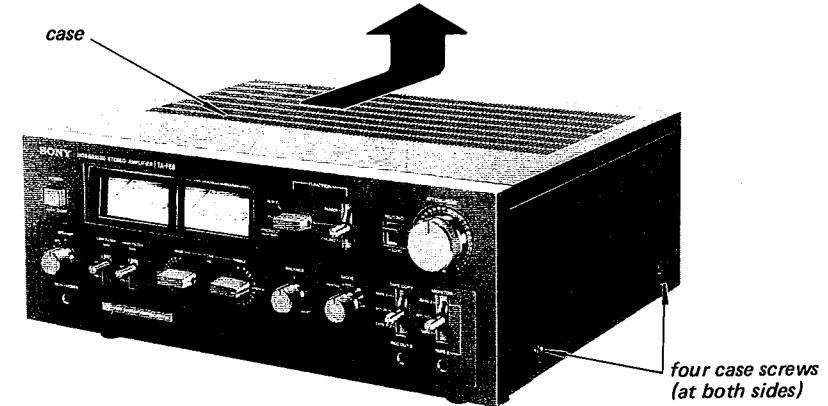
SECTION 1 BLOCK DIAGRAM



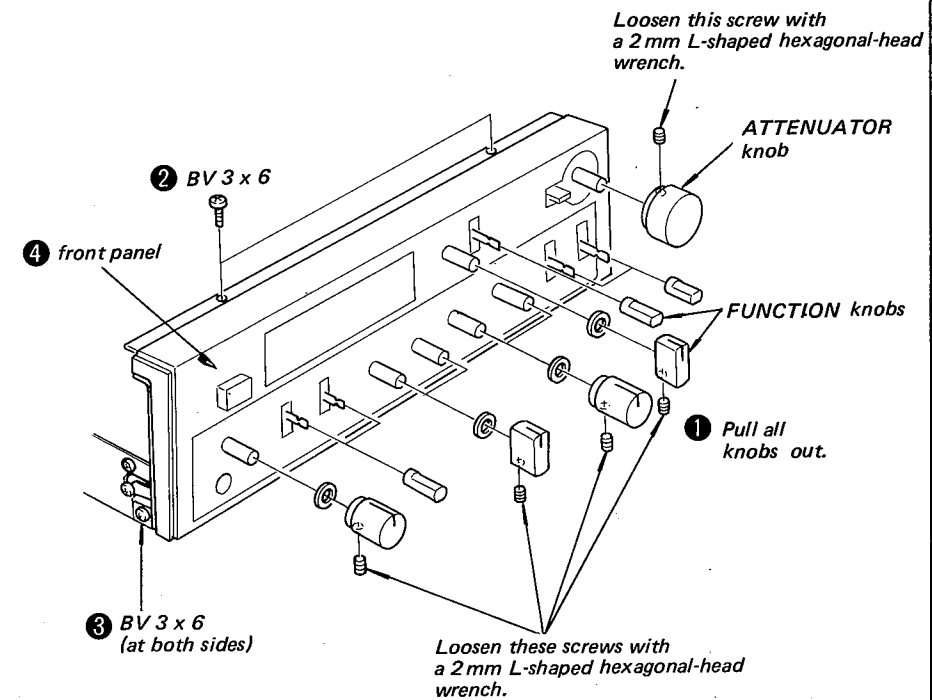
SECTION 2 DISASSEMBLY

- Follow the disassembly procedure in the numerical order given.

CASE REMOVAL



FRONT PANEL REMOVAL

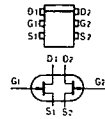


SECTION 4 DIAGRAMS

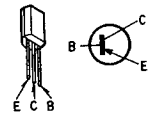
• Replacement Semiconductors

For replacement, use semiconductors except in ().

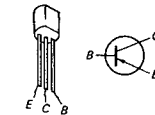
Q101, 151: 2SK97



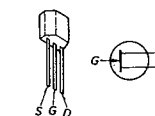
Q102, 103, 106, 108
Q152, 153, 156, 158
Q705, 706, 755, 756 } : 2SA872E (2SA872)



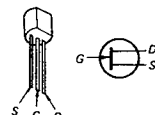
Q111, 161: 2SB647
Q506, 507: 2SA639 (2SA893)



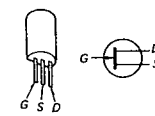
Q104, 154: 2SK23A-840 (blue) (2SK23A)



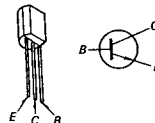
Q105, 155, 509: 2SK30A



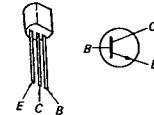
Q107, 112, 157, 162 } : 2SK43-4 (2SK43)



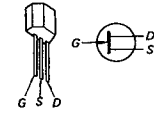
Q109, 159: 2SC1775 E (2SC1775)



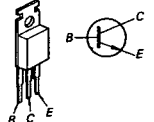
Q110, 160: 2SD667
Q510: 2SC1475 (2SC1670)



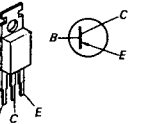
Q501, 502: 2SK42-4 (2SK42)



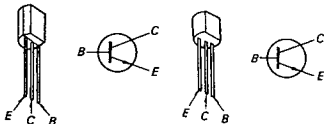
Q503: 2SC1061



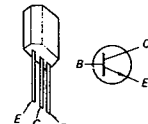
Q508: 2SA671



Q504, 505, 511, 512 } : 2SC1775F (2SC1890)



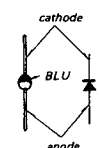
Q701-704, 751-754 } : 2SC1637-1 (2SC1637)



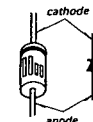
IC201, 251: HA1457



D101, 151: MV12N

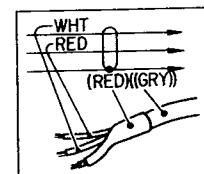


D102, 103, 152, 153 } : EQB01-26 (EQA01-26R)
D201, 202, 251, 252 } : EQB01-21 (EQA01-21R)



Note:

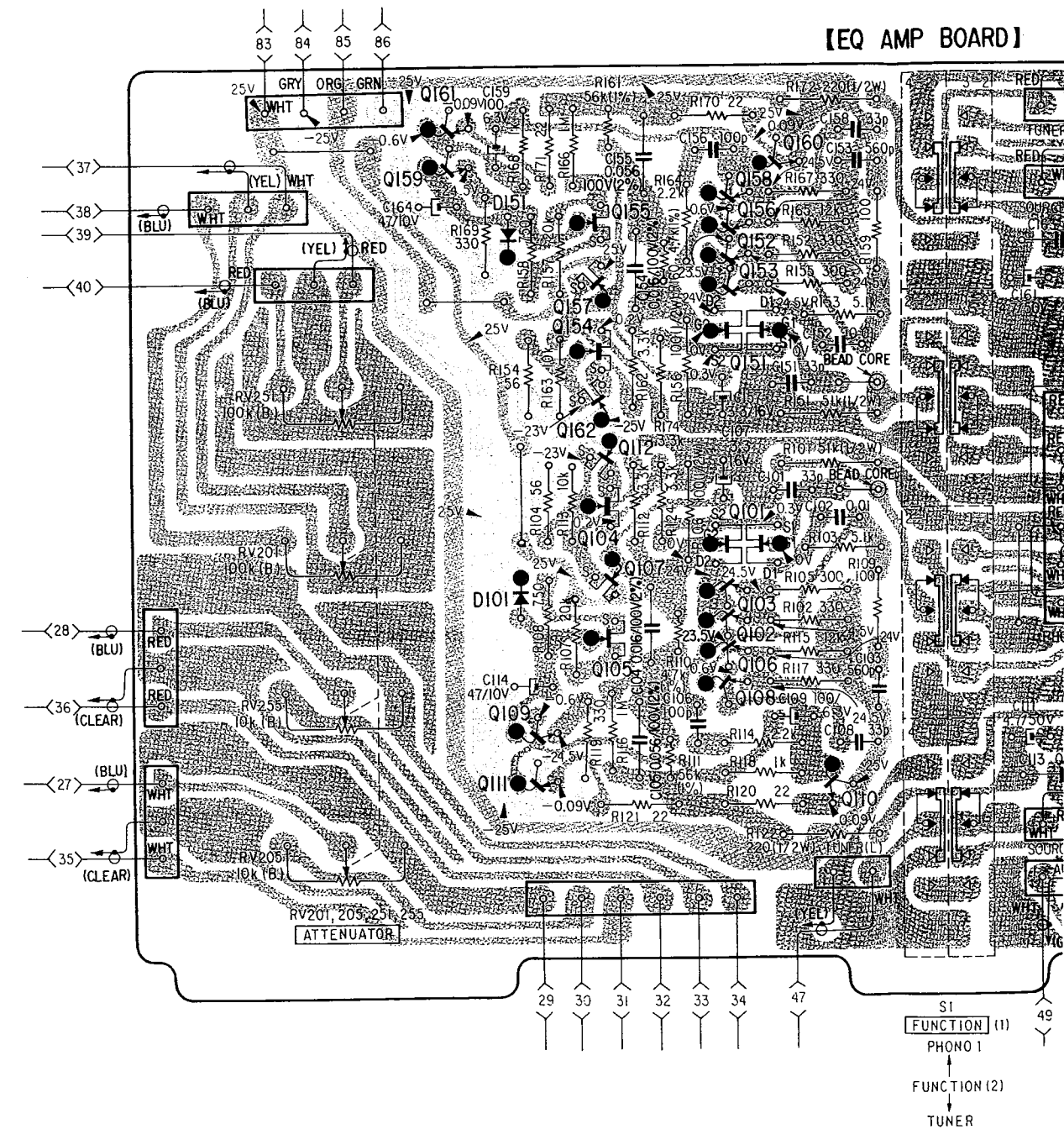
- Color code of sleeving over the end of the jacket.



- : parts extracted from the component side.
- : B+ pattern
- : B- pattern

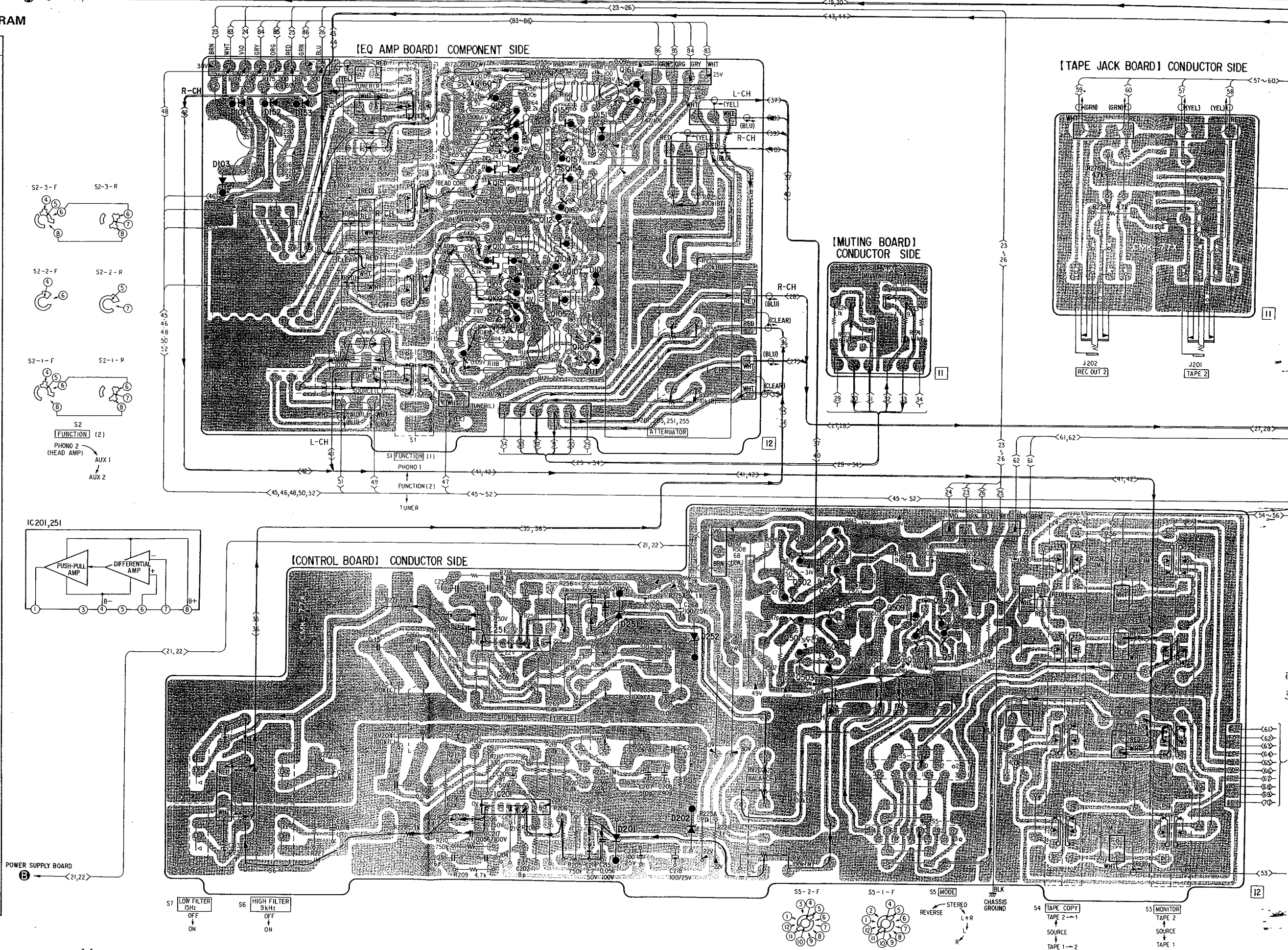
4-1. EQ AMP BOARD MOUNTING DIAGRAM — Conductor Side —

| D | Q |
|-------------|---------|
| | 161 |
| 153 152 102 | 159 160 |
| | 158 |
| 151 | 155 156 |
| | 152 |
| | 157 153 |
| | 154 151 |
| 103 | 162 |
| | 112 |
| | 104 |
| | 101 |
| 101 | 107 |
| | 103 |
| | 102 |
| | 105 |
| | 106 |
| | 108 |
| | 109 |
| | 111 110 |

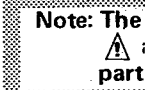



4-2. PREAMP SECTION MOUNTING DIAGRAM


| Q, IC | D |
|----------|-----|
| 161 | |
| 160 159 | 102 |
| 158 155 | 153 |
| 152 | 151 |
| 153 157 | |
| 151 | |
| 154 | 103 |
| 162 | |
| 112 | |
| 104 | |
| 101 | |
| 103 107 | 101 |
| 102 105 | |
| 106 | |
| 108 | |
| 109 | |
| 110 111 | |
| 507 | |
| 508 | |
| 506 | |
| 502 | |
| 505 509 | 251 |
| 501 512 | |
| IC251 | 252 |
| 510, 511 | |
| 503 504 | |
| IC201 | 202 |
| | 201 |
| Q, IC | D |











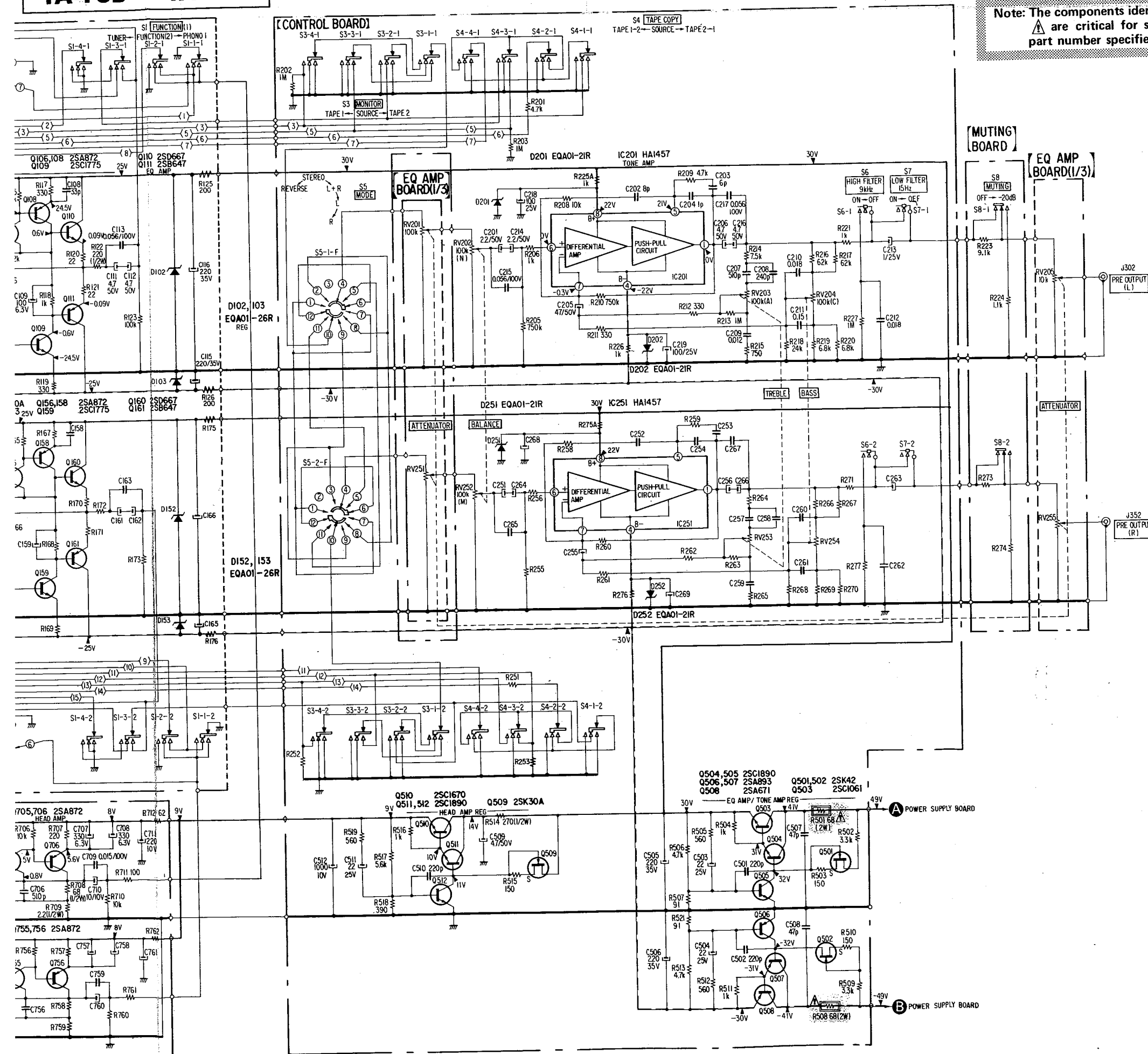
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note:

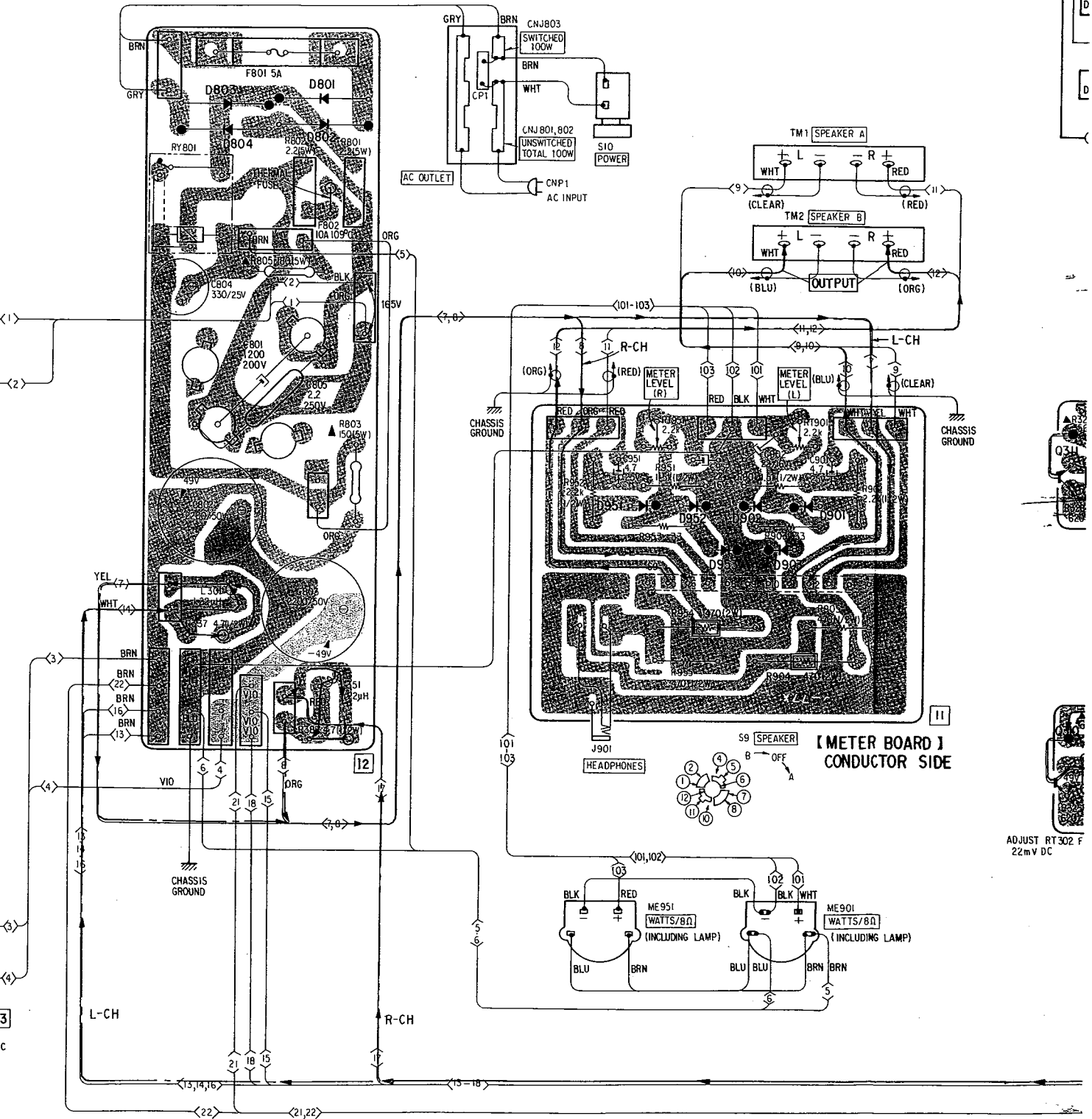
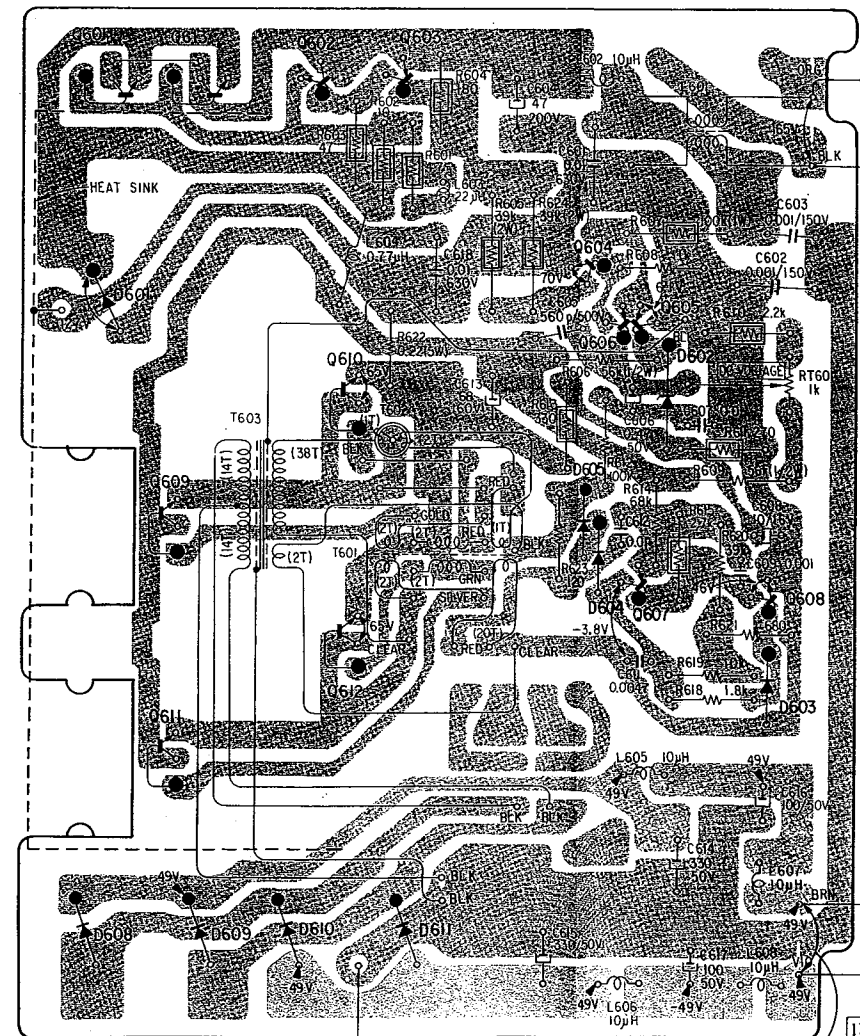
- Components for right channel have same values as for left channel. Reference numbers are coded from 151, 251 or 751.
- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\text{F}$ 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor
- 1 % or 2 % indicates component tolerance.
-  : panel designation
-  : B+ bus.
-  : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no signal conditions with a VOM (20 $\text{k}\Omega/\text{V}$).
- Voltage variations may be noted due to normal production tolerances.
- Switch

| Ref. No. | Switch | Position |
|--|------------------|-----------------------|
| S1-1-1, 2 S1-2-1, 2 S1-3-1, 2 S1-4-1, 2 | FUNCTION (1) | FUNCTION (2) |
| S2-1-F, R S2-2-F, R S2-3-F, R | FUNCTION (2) | PHONO 2 (HEAD AMP) |
| S3-1-1, 2 S3-2-1, 2 S3-3-1, 2 S3-4-1, 2 | MONITOR | SOURCE |
| S4-1-1, 2 S4-2-1, 2 S4-3-1, 2 S4-4-1, 2 | TAPE COPY | SOURCE |
| S5-1-F, 2-F | MODE | STEREO |
| S6-1, 2 | HIGH FILTER 9kHz | OFF |
| S7-1, 2 | LOW FILTER 15Hz | OFF |
| S8-1, 2 | MUTING | OFF |



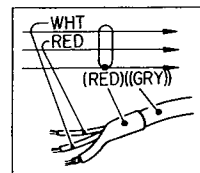
[illegible]








【 POWER SUPPLY BOARD】 COMPONENT SIDE



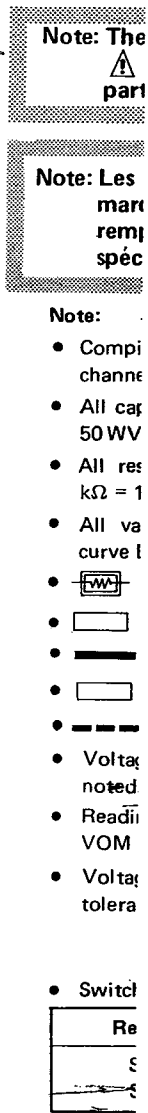
Note:

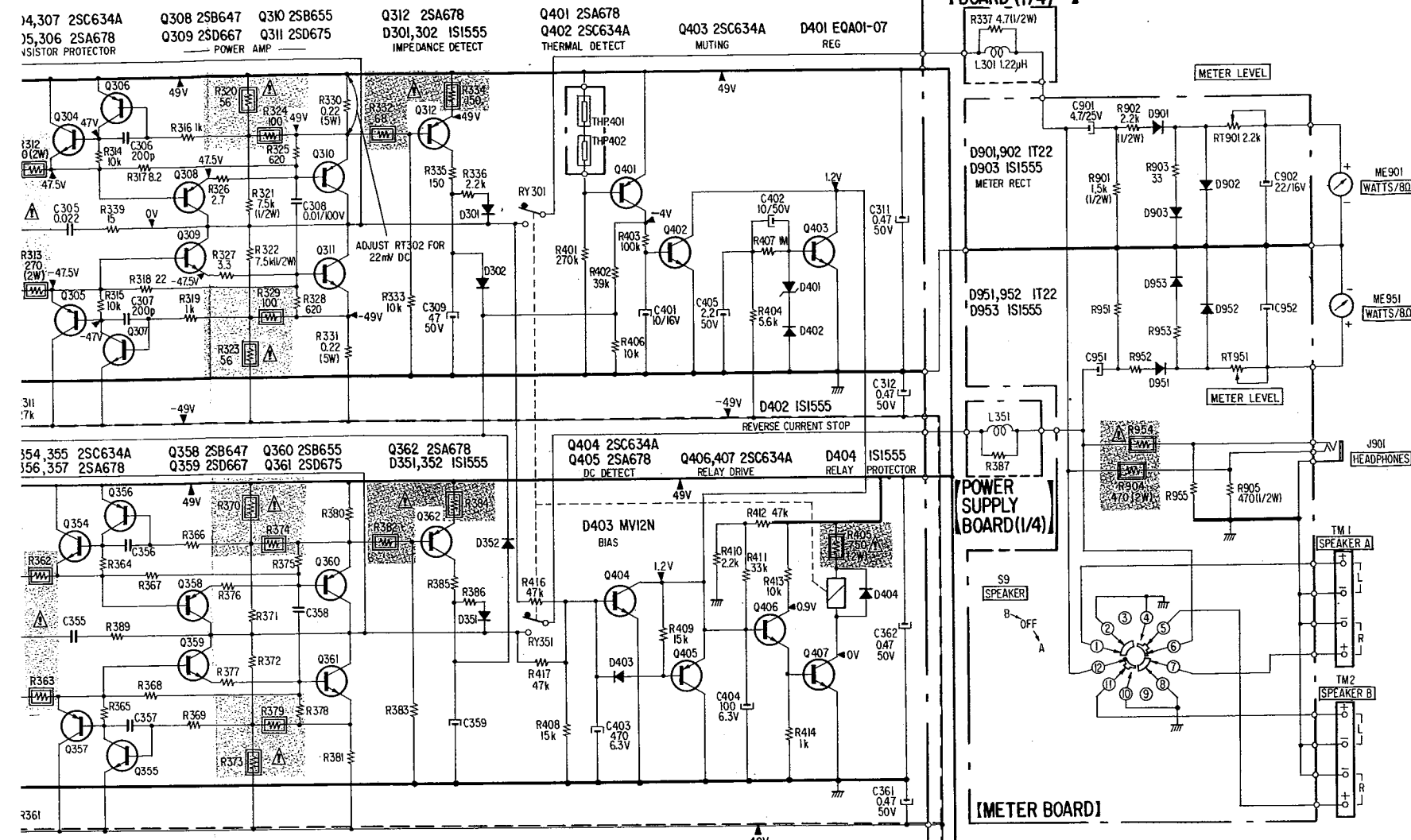
- Color code of sleeving over the end of the jacket.



-  : parts extracted from the component side.
-  : B+ pattern
-  : B- pattern
- **Signal Path**
 -  L-CH
 -  R-CH
 -  common
-  : nonflammable resistor.

TA-F6B TA-F6B





Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note:

- Components for right channel have same values as for left channel. Reference numbers are coded from 351 or 951.
- All capacitors are in μF unless otherwise noted. $pF = \mu\mu F$ 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4} W$ unless otherwise noted. $k\Omega = 1000 \Omega$, $M\Omega = 1000 k\Omega$
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : nonflammable resistor.
- : panel designation
- : B+ bus.
- : adjustment for repair.
- : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no signal conditions with a VOM (20 $k\Omega/V$).
- Voltage variations may be noted due to normal production tolerances.

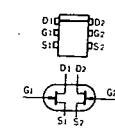
• Switch

| Ref. No. | Switch | Position |
|-----------|------------------|----------|
| S9 S10 | SPEAKER POWER | B OFF |

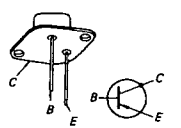
• Replacement Semiconductors

For replacement, use semiconductors except in ().

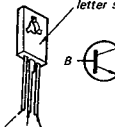
Q301, 351: 2SK58



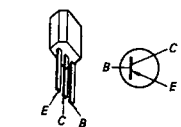
Q310, 360: 2SB655



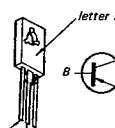
Q302, 352: 2SD668



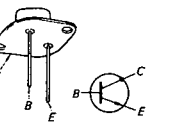
Q305, 306, 312
Q356, 357, 362
Q401, 405



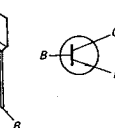
Q303, 353: 2SB648



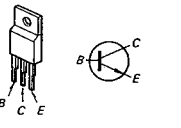
Q311, 361: 2SD675



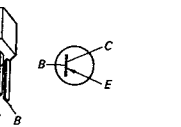
Q304, 307
Q313, 354
Q355, 363
Q402-404
Q406, 407



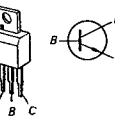
Q601, 613: 2SC1986D-R (2SC1986D)
Q609-612: 2SC1986D-O (2SC1986D)



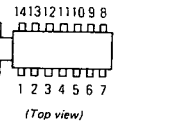
Q605, 606: 2SA678 (2SA844)



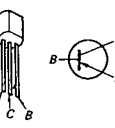
Q602: 2SC1962



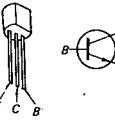
IC301, 351: CX171



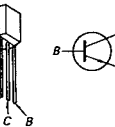
Q603: 2SA896



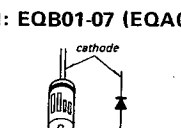
Q604: 2SC1811



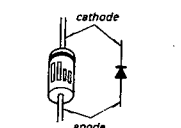
Q608: 2SC1775F (2SC1890)



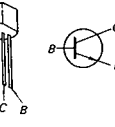
D304, 305
D354, 355: EQB01-21 (EQA01-21R)



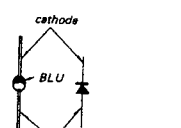
D401: EQB01-07 (EQA01-07)



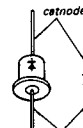
Q309, 359: 2SD667



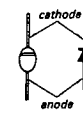
D403: MV12N



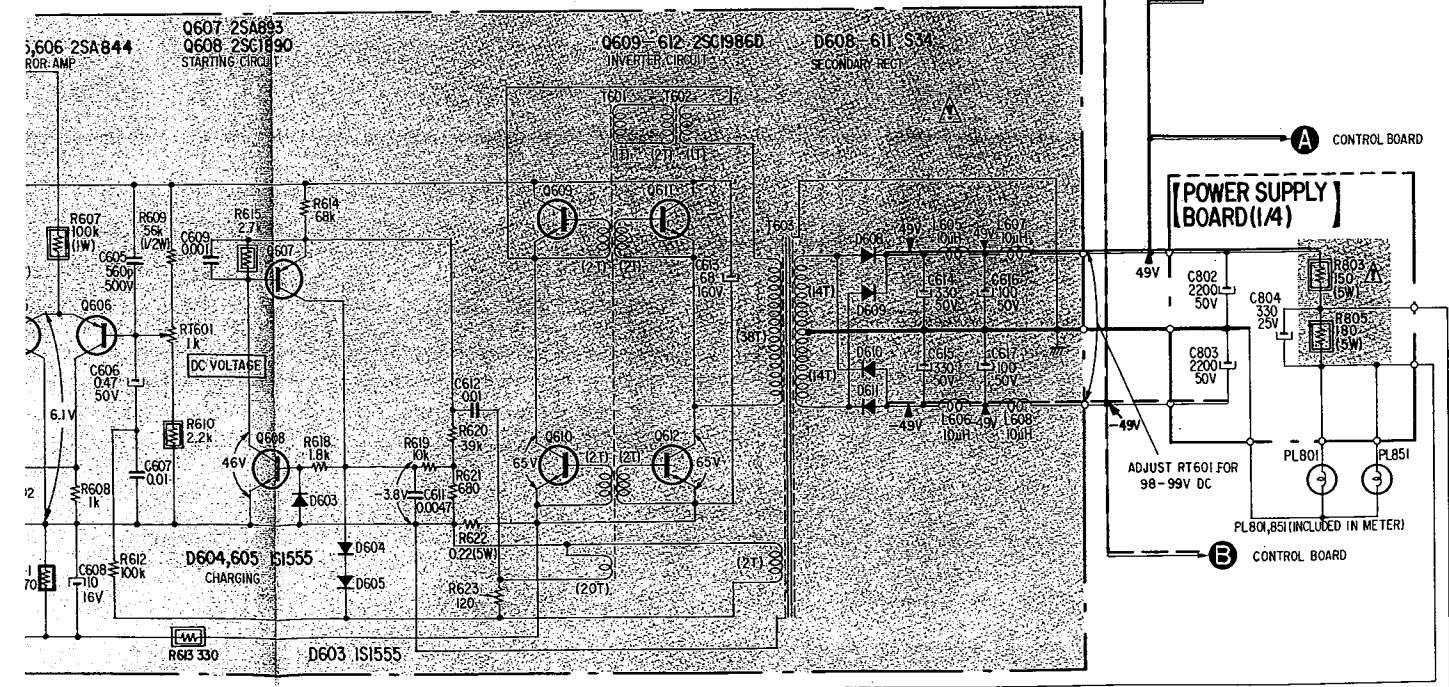
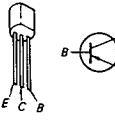
D601, 608-611: S34



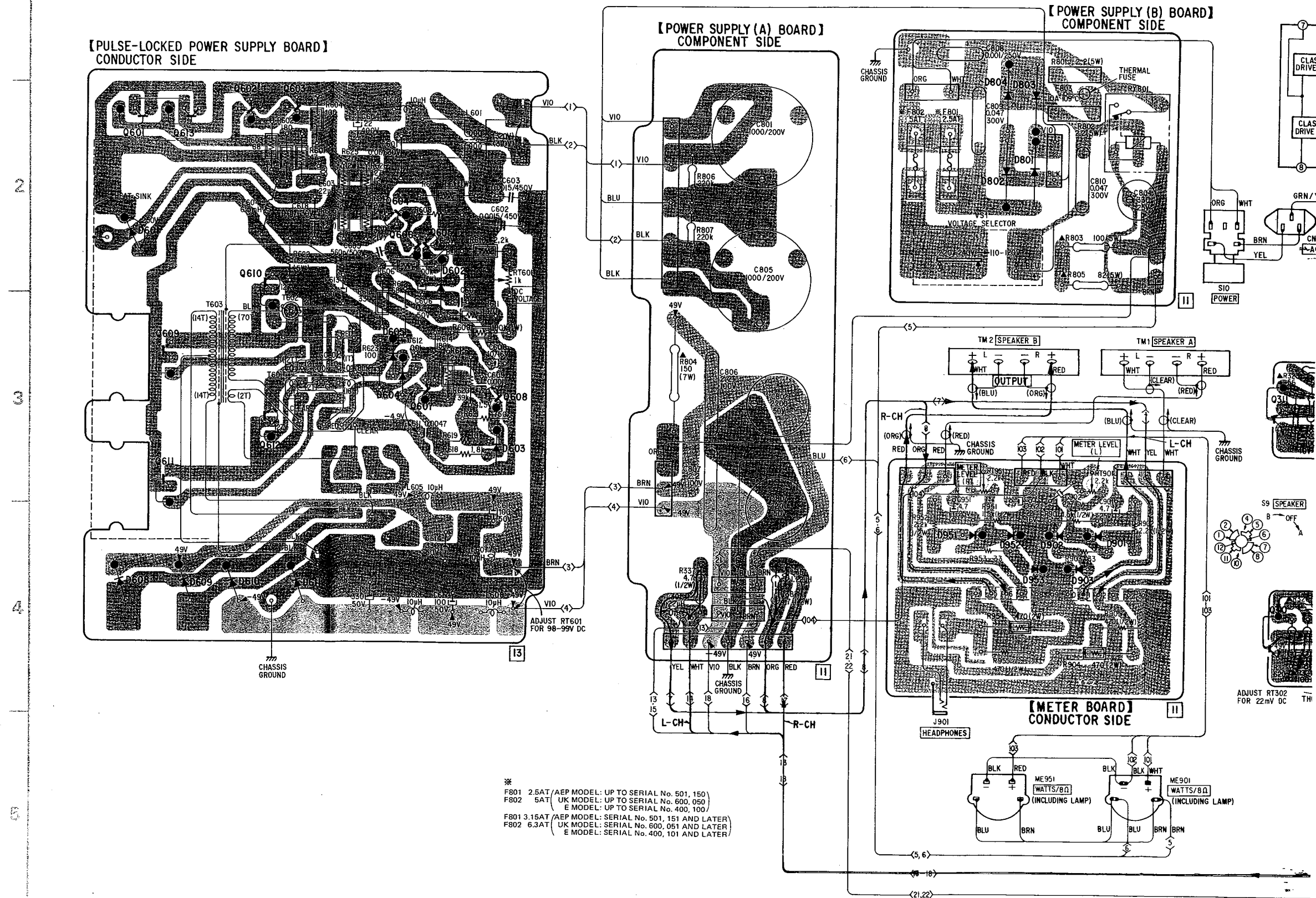
D801-804: U05G (U05E)



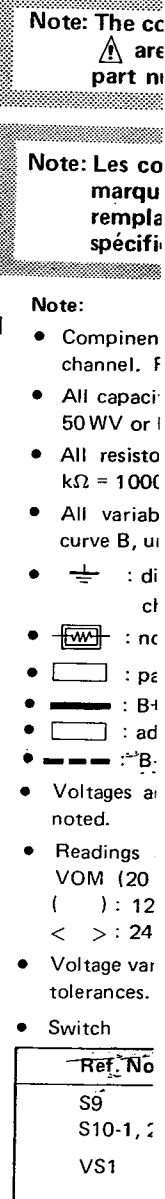
Q308, 358: 2SB647
Q607: 2SA639S (2SA893)



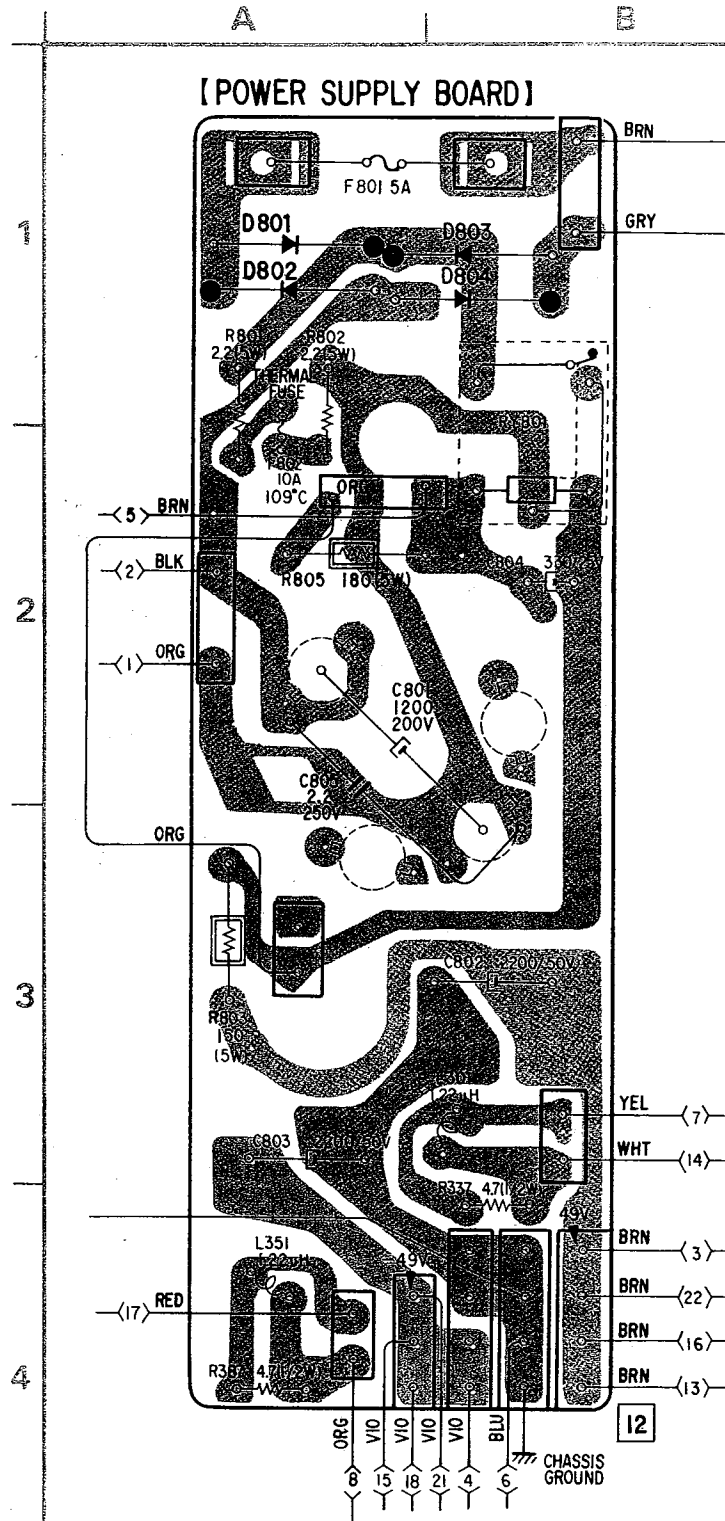
| | A | B | C | D | E |
|---------|-------------------|-------------------|--|-----|--|
| Q IC | 601 609 611 | 613 610 612 | 602 603 604 606 605 607 | 608 | 311 310 |
| D | 601 608 | 609 610 611 | 605 604 603 | 602 | 804 803 802 801 951 952 953 902 903 901 |



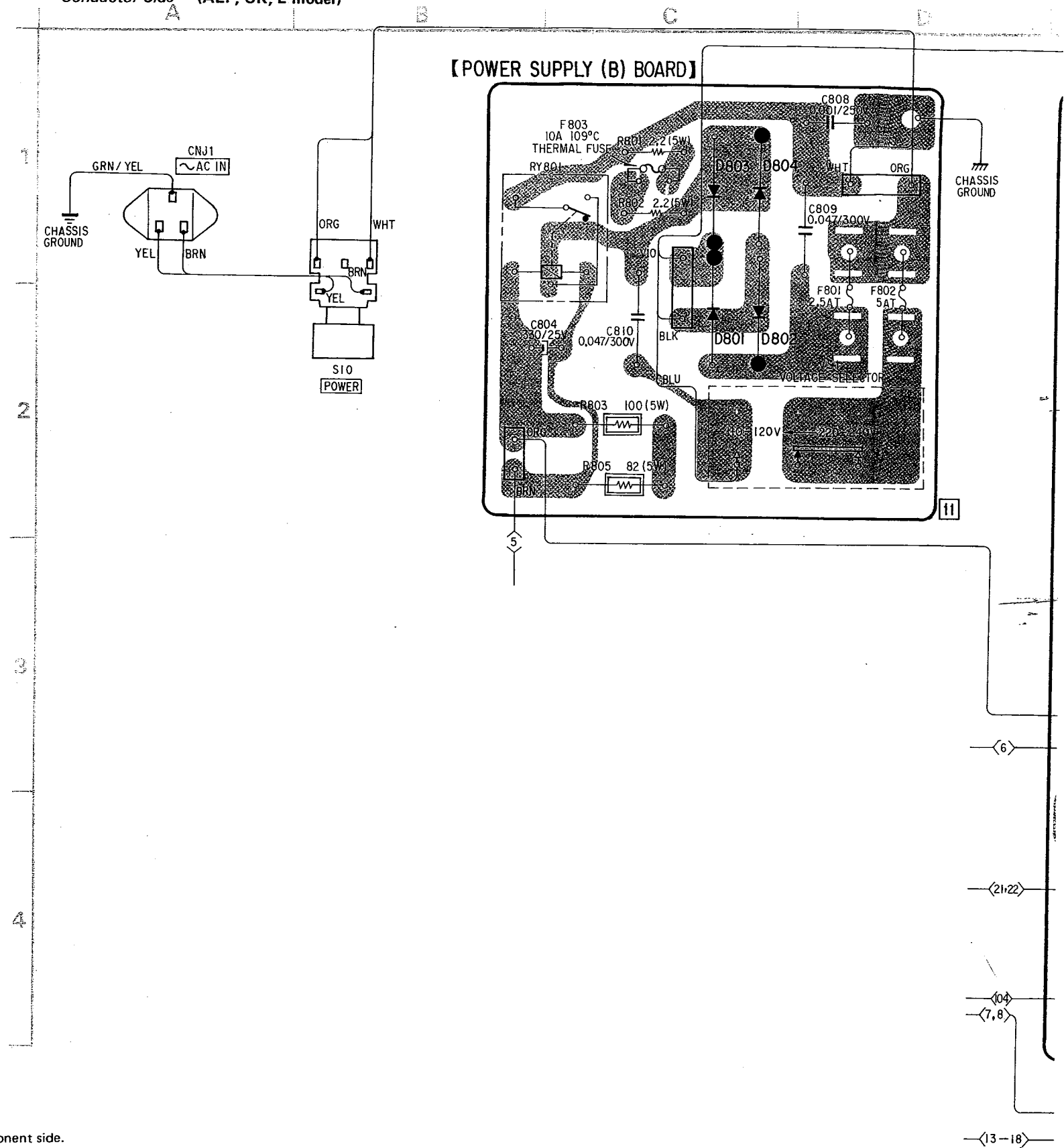
TA-F6B TA-F6B



4-8. POWER SUPPLY BOARD MOUNTING DIAGRAM
— Conductor Side — (US, Canadian model)



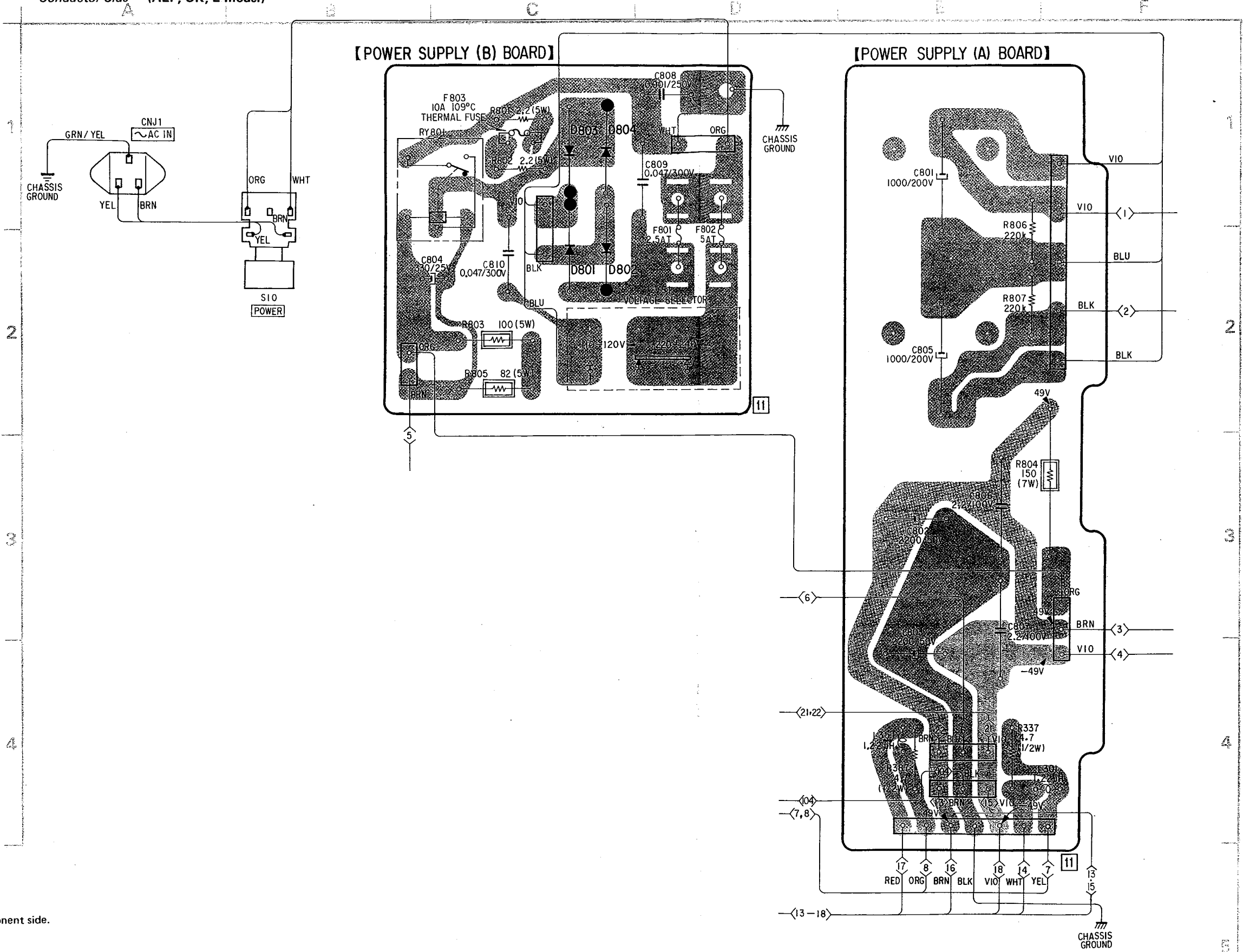
4-9. POWER SUPPLY BOARD MOUNTING DIAGRAM
— Conductor Side — (AEP, UK, E model)



Note:

- — : parts extracted from the component side.
- : B+ pattern
- : B- pattern
- ⊥ : direct connection to points marked ⊥ on the chassis.

4-9. POWER SUPPLY BOARD MOUNTING DIAGRAM
 — Conductor Side — (AEP, UK, E model)



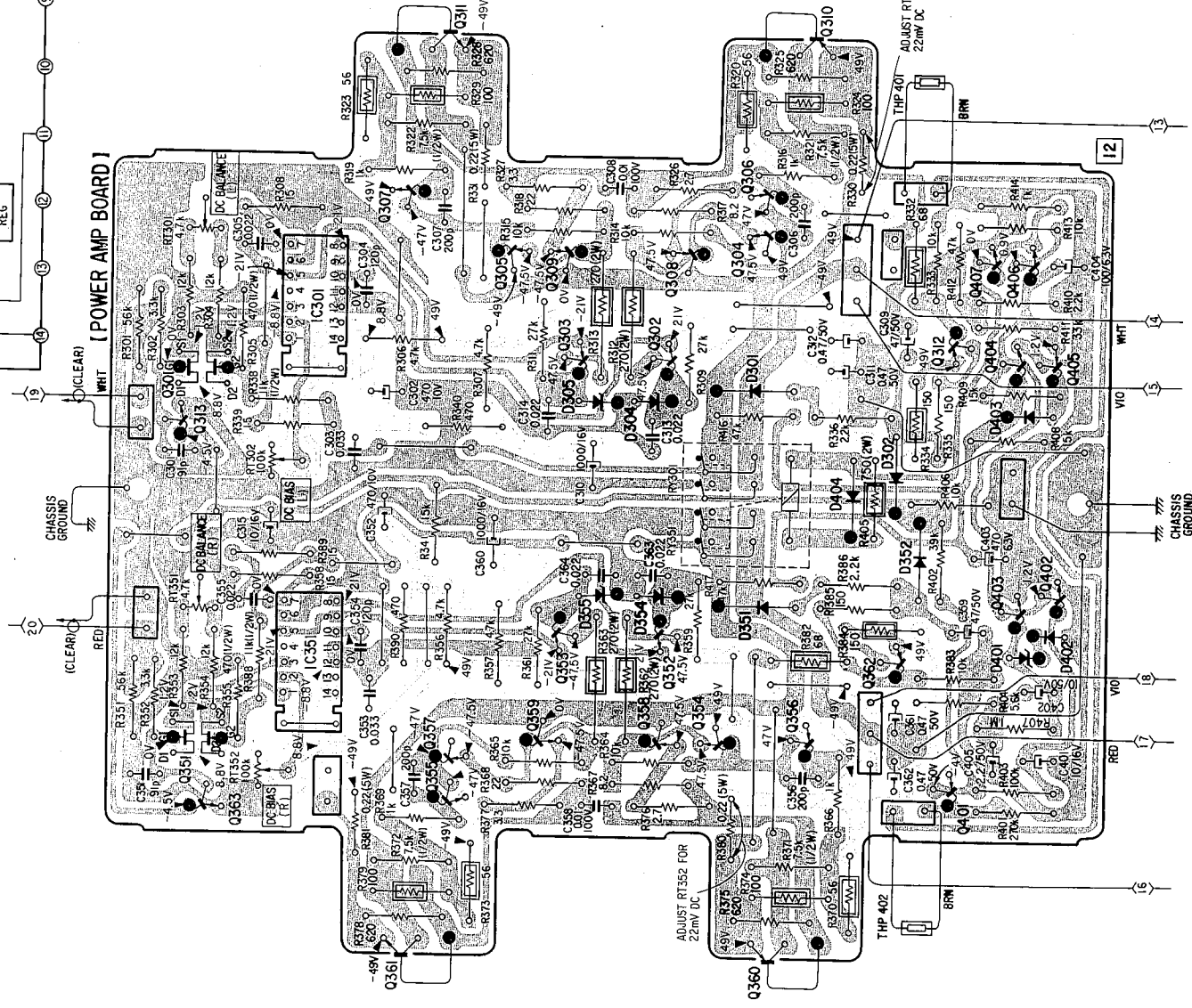
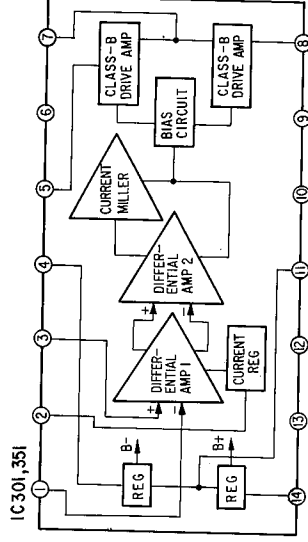
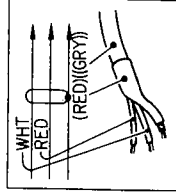
ote:

- : parts extracted from the component side.
- : B+ pattern
- : B- pattern
- ⏏ : direct connection to points marked ⏏ on the chassis.

4-10. POWER AMP BOARD MOUNTING DIAGRAM
 — Conductor Side —

Note:

- Color code of sleeving over the end of the jacket.

[illegible]

SECTION 5
EXPLODED VIEWS

A

B

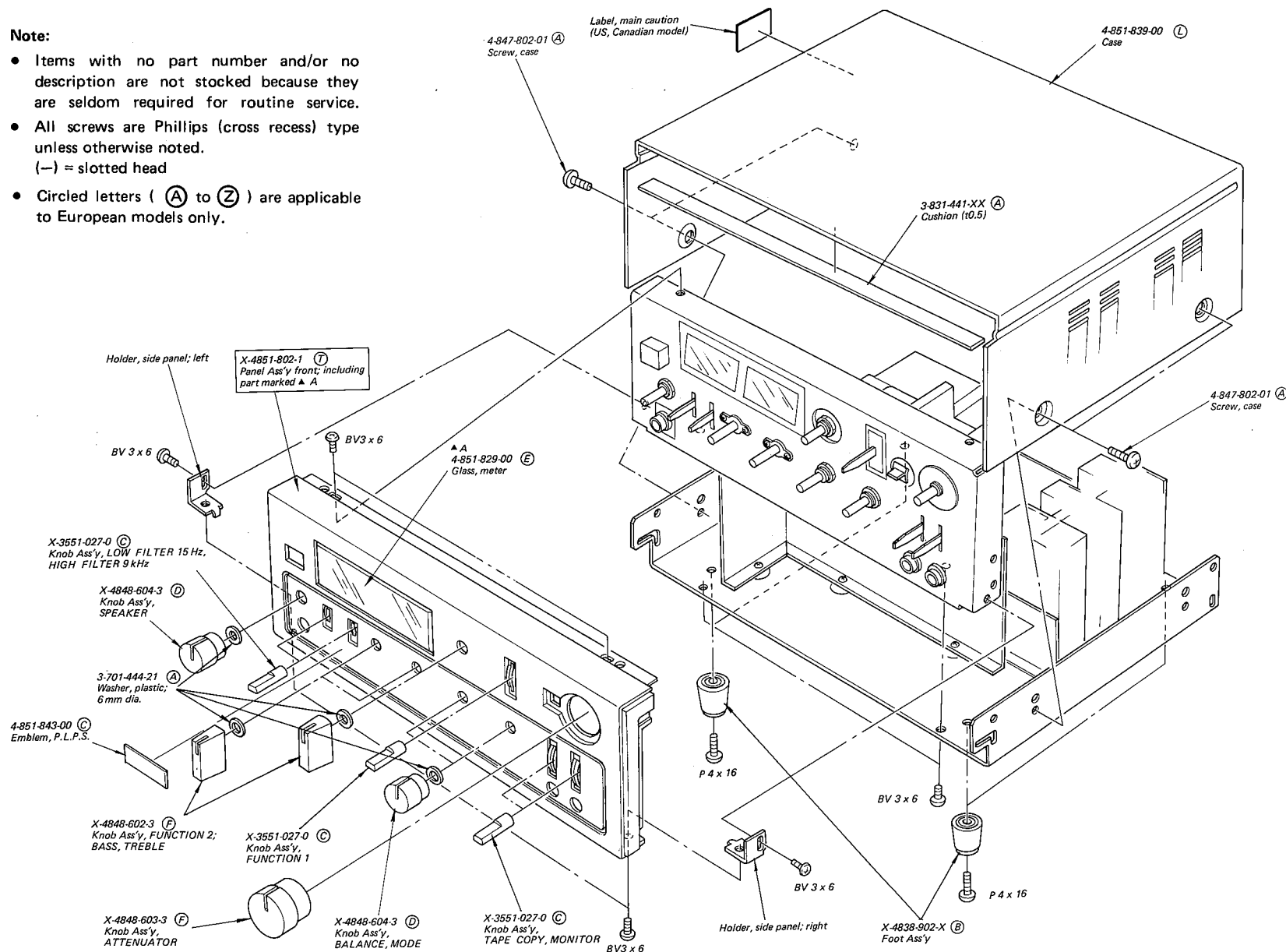
C

D


E

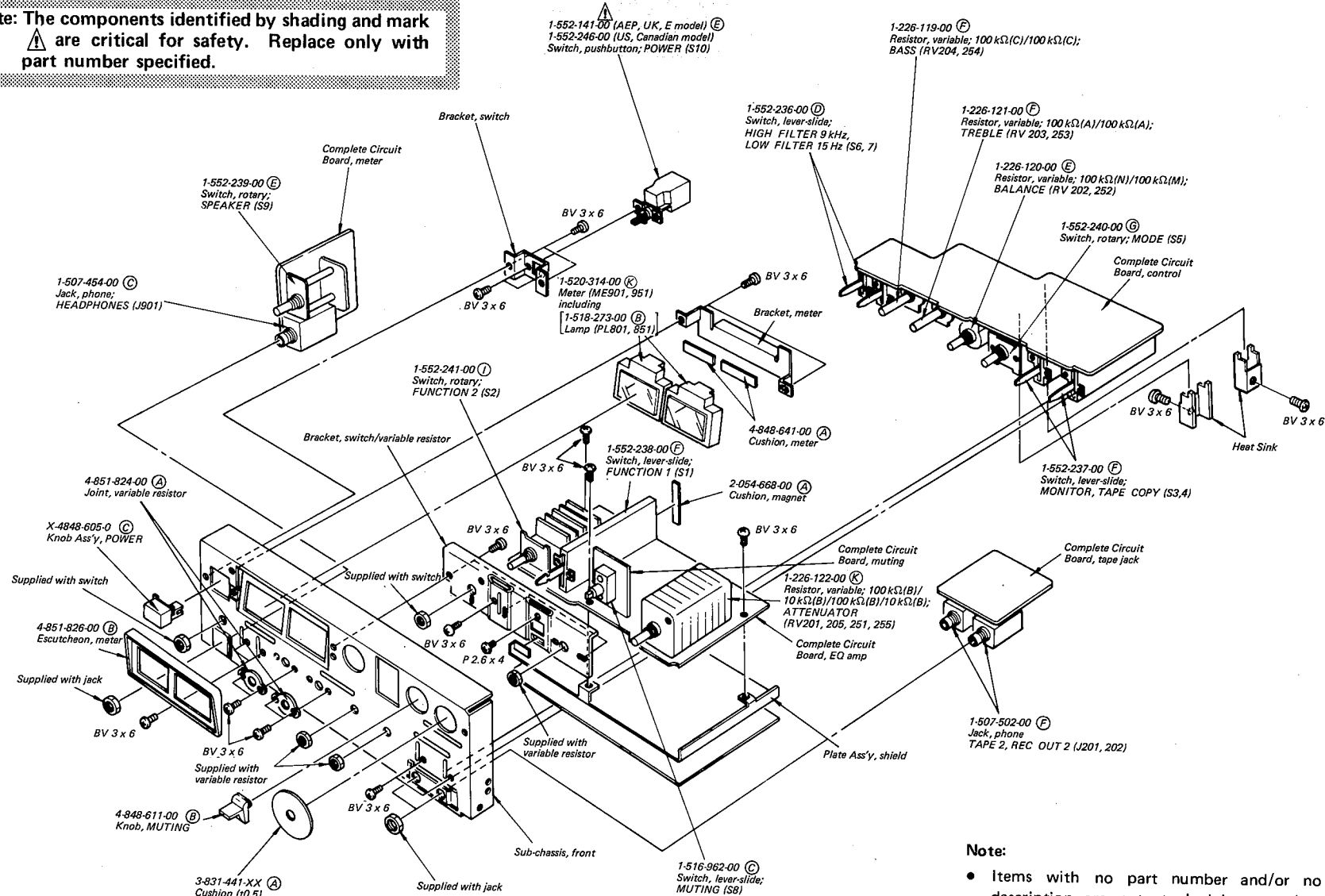
Note:


- 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
- Circled letters (A) to (Z) are applicable to European models only.



A B C D E

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.



Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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
- Circled letters (A) to (Z) are applicable to European models only.

A

B

C

D

E

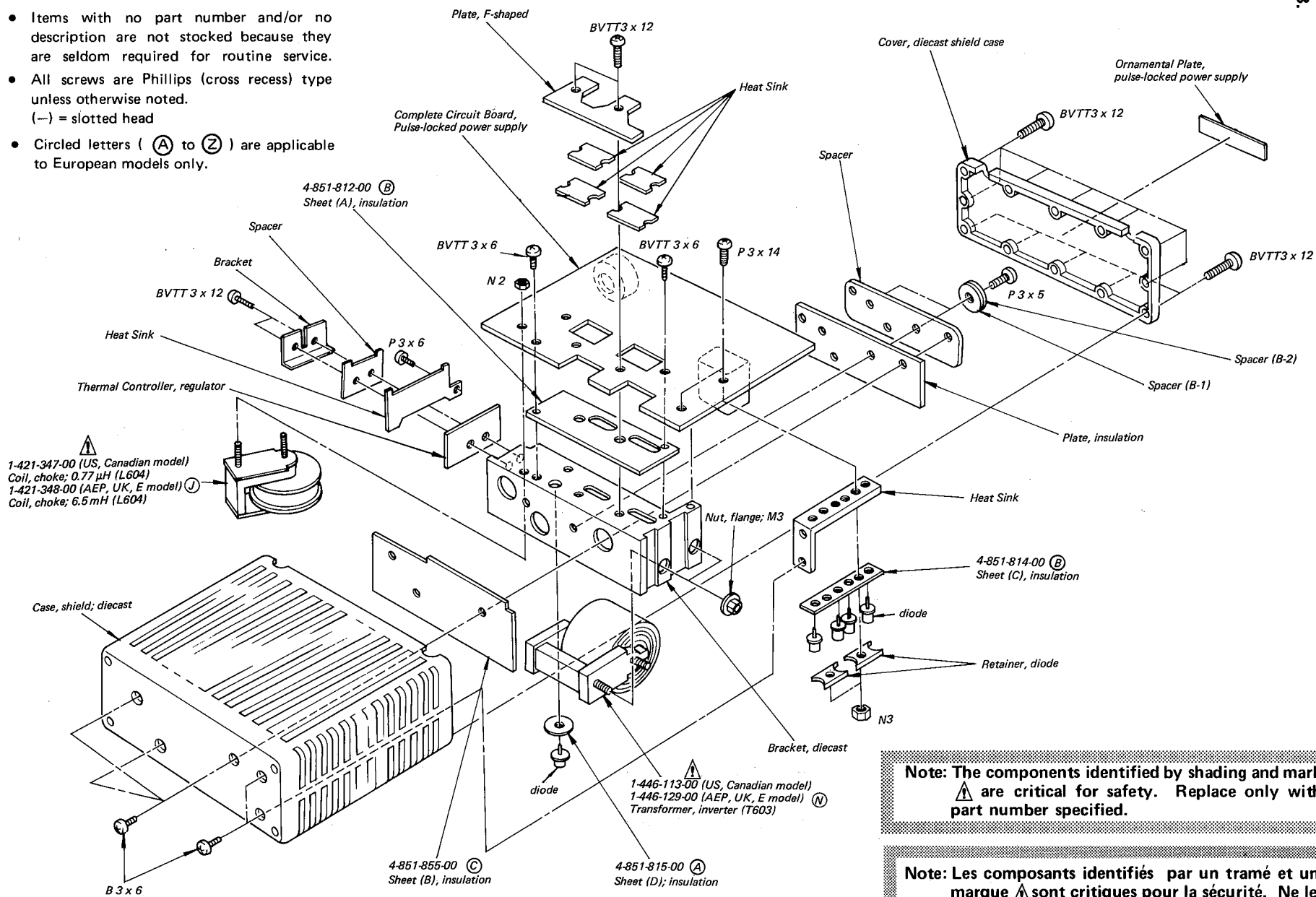
Note:


- 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
- Circled letters (**A**) to (**Z**) are applicable to European models only.


1

2

3

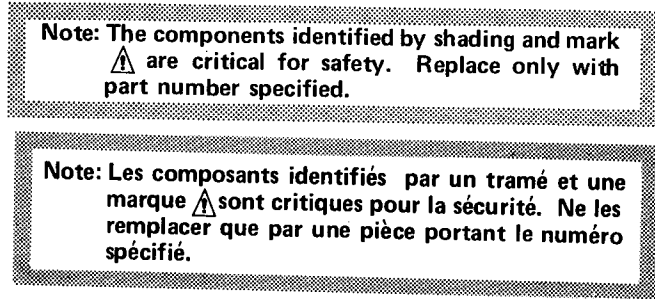


Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

E

- 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



A

B

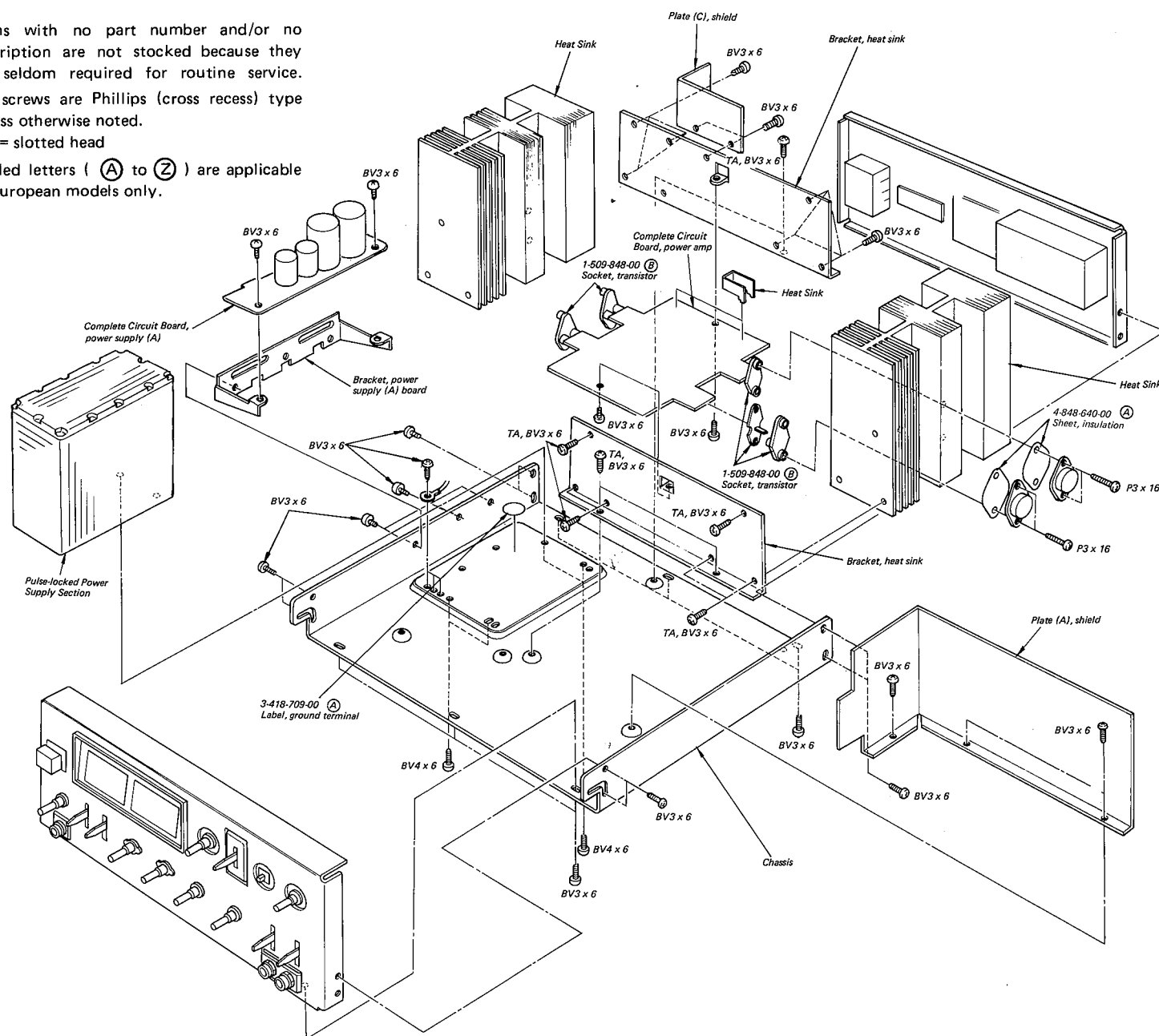
C

D

E

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
- Circled letters (A) to (Z) are applicable to European models only.



1

2

3

A

B

C

D

E

Note:

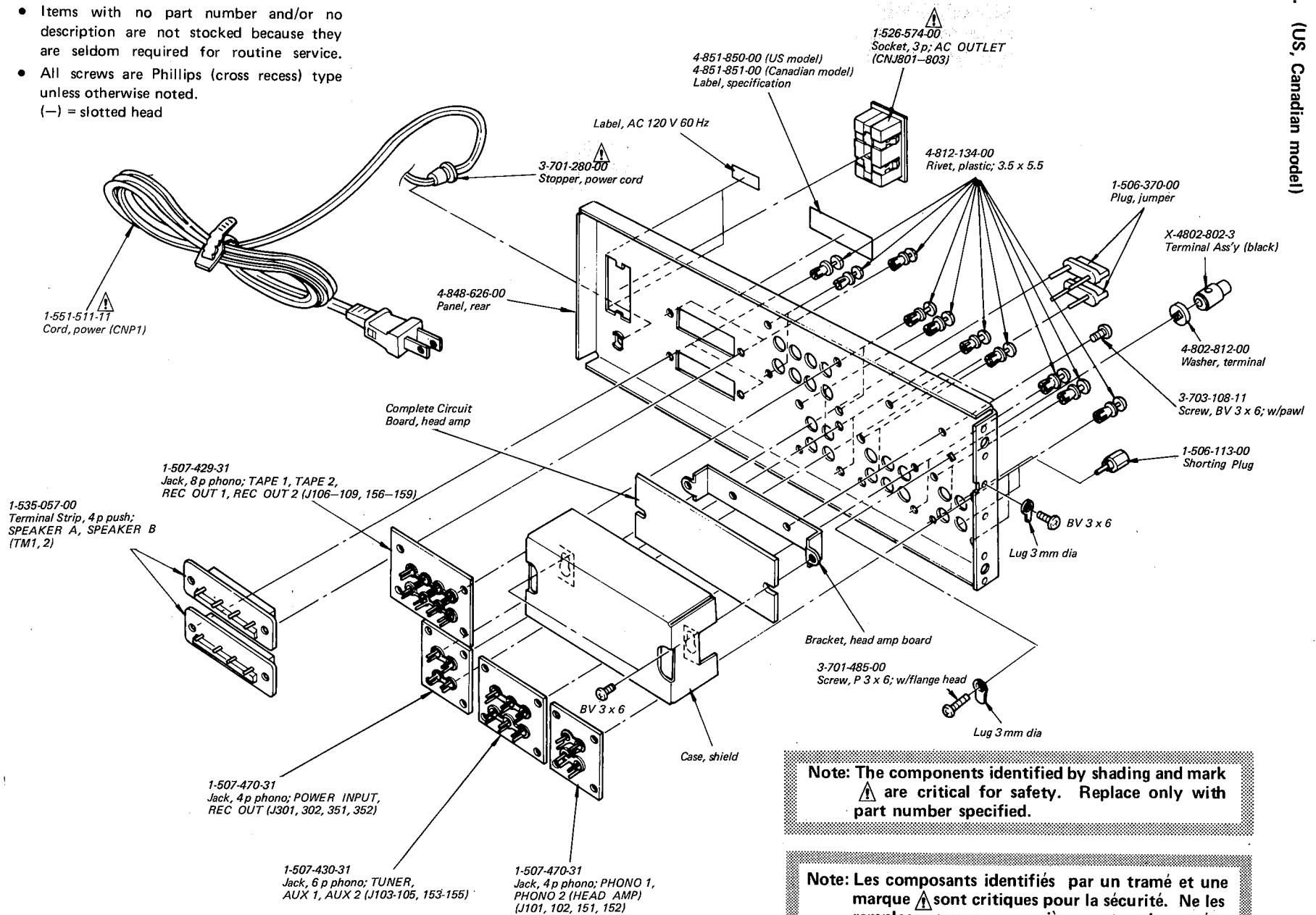
- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (—) = slotted head


1


2

3

— 41 —



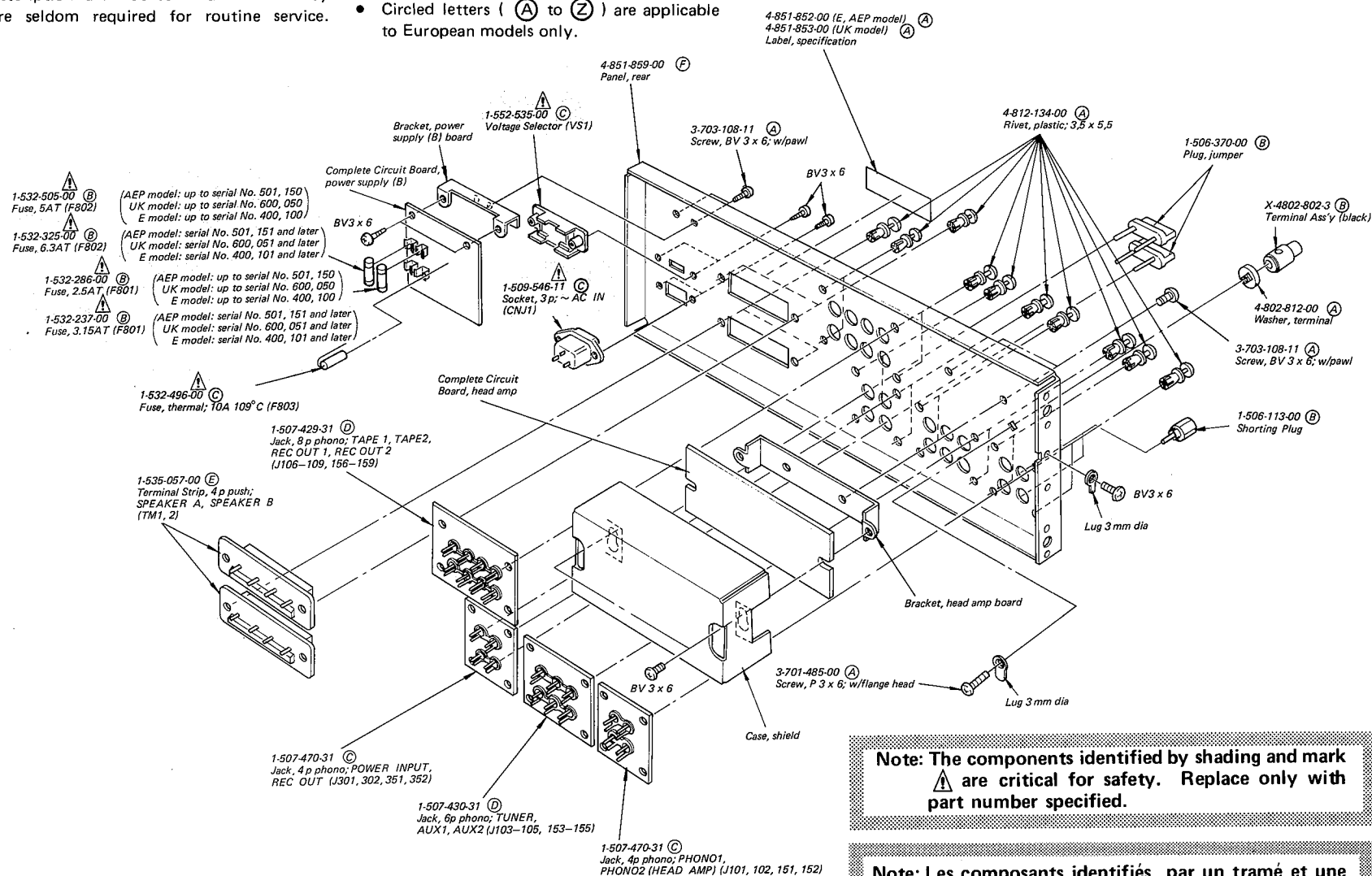
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.


Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


E

- 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
- Circled letters (**A** to **Z**) are applicable to European models only.




Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: Circled letters (A to Z) are applicable to European models only.

| Ref. No. | Part No. | Description |
|------------------------|------------------|---|
| C313, 363 C314, 364 | 1-101-924-00 | (A) 0.022 |
| C315 | 1-121-651-00 | (A) 10 16 V elect |
| C401 | 1-121-651-00 | (A) 10 16 V elect |
| C402 | 1-121-738-00 | (A) 10 50 V elect |
| C403 | 1-121-424-00 | (B) 470 6.3 V elect |
| C404 | 1-121-413-00 | (A) 100 6.3 V elect |
| C405 | 1-121-450-00 | (A) 2.2 50 V elect |
| C501, 502 | 1-102-978-00 | (A) 220 p |
| C503, 504 | 1-121-480-00 | (A) 22 25 V elect |
| C505, 506 | 1-121-261-00 | (B) 220 35 V elect |
| C507, 508 | 1-101-880-00 | (A) 47 p |
| C509 | 1-121-396-00 | (A) 4.7 50 V elect |
| C510 | 1-102-978-00 | (A) 220 p |
| C511 | 1-121-480-00 | (A) 22 25 V elect |
| C512 | 1-121-736-00 | (B) 1000 10 V elect |
| C601 | (A) 1-130-141-00 | (A) 0.01 630 V polyethylene |
| C602, 603 | (A) 1-102-070-00 | 0.001 150 V (US, Canadian model) |
| C602, 603 | (A) 1-115-149-00 | (C) 0.0015 450 V paper (AEP, UK, E model) |
| C604 | (A) 1-123-401-00 | 47 200 V elect (US, Canadian model) |
| C604 | (A) 1-123-402-00 | (C) 22 400 V elect (AEP, UK, E model) |
| C605 | (A) 1-161-438-00 | (A) 560 p 500 V |
| C606 | (A) 1-121-726-00 | (A) 0.47 50 V elect |
| C607 | (A) 1-108-239-00 | (A) 0.01 mylar |
| C608 | (A) 1-121-651-00 | (A) 10 16 V elect |
| C609 | (A) 1-108-227-00 | (A) 0.01 mylar |
| C611 | (A) 1-108-234-00 | (A) 0.0047 mylar |
| C612 | (A) 1-108-239-00 | (A) 0.01 mylar |
| C613 | (A) 1-123-277-00 | 68 160 V elect (US, Canadian model) |
| C613 | (A) 1-123-280-00 | (C) 33 350 V elect (AEP, UK, E model) |
| C614, 615 | (A) 1-121-656-00 | (B) 330 50 V elect |
| C616, 617 | (A) 1-121-417-00 | (B) 100 50 V elect |
| C618 | (A) 1-130-141-00 | (A) 0.01 630 V polyethylene |


Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

| Ref. No. | Part No. | Description |
|------------------------|------------------|---|
| C701, 751 | 1-131-429-00 | (F) 470 3.15 V tantalum |
| C702, 752 | 1-130-127-00 | (B) 0.015 100 V polyethylene |
| C703, 753 | 1-102-074-00 | (A) 0.001 |
| C704, 754 | 1-102-823-00 | (A) 430 p |
| C705, 755 | 1-101-880-00 | (A) 47 p |
| C706, 756 | 1-101-059-00 | (A) 510 p |
| C707, 757 C708, 758 | 1-121-751-00 | (B) 330 6.3 V elect |
| C709, 759 | 1-130-127-00 | (B) 0.015 100 V polyethylene |
| C710, 760 | 1-131-377-00 | (B) 10 10 V tantalum |
| C711, 761 | 1-121-420-00 | (B) 220 10 V elect |
| C801 | (A) 1-125-180-00 | 1200 200 V elect (US, Canadian model) |
| C801 | (A) 1-125-179-00 | (I) 1000 200 V elect (AEP, UK, E model) |
| C802, 803 | 1-123-256-00 | (D) 2200 50 V elect |
| C804 | 1-121-654-00 | (B) 230 25 V elect |
| C805 | (A) 1-130-090-00 | 2.2 250 V polyethylene (US, Canadian model) |
| C805 | (A) 1-125-179-00 | (I) 1000 200 V elect (AEP, UK, E model) |
| C806, 807 | 1-130-084-00 | (D) 2.2 100 V polyethylene (AEP, UK, E model) |
| C808 | (A) 1-102-222-00 | (B) 1000 p 250 V (AEP, UK, E model) |
| C809, 810 | (A) 1-108-749-00 | (B) 0.047 300 V mylar (AEP, UK, E model) |
| C901, 951 | 1-121-395-00 | (A) 4.7 25 V elect |
| C902, 952 | 1-121-479-00 | (A) 22 16 V elect |

RESISTORS

All resistors are in ohms. Common 1/4 W carbon resistors are omitted. Refer to the list on page 49 for their part numbers. All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
k Ω : 1000 Ω


| | | | | |
|-----------|--------------|-----------|-------|-----------------|
| R101, 151 | 1-244-914-00 | (A) 51 k | 1/2 W | carbon |
| R106, 156 | 1-244-849-00 | (A) 100 | 1/2 W | carbon |
| R110, 160 | 1-214-148-00 | (A) 4.7 k | 1/4 W | metal oxide 1 % |
| R111, 161 | 1-214-174-00 | (A) 56 k | 1/4 W | metal oxide 1 % |
| R122, 172 | 1-244-857-00 | (A) 220 | 1/2 W | carbon |


Note: Les composants identifiés par un tramé et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: Circled letters (A to Z) are applicable to European models only.

| Ref. No. | Part No. | Description |
|-----------|--------------------------|--|
| R305, 355 | 1-244-865-00 (A) 470 | ½ W carbon |
| R312, 362 | (A) 1-206-650-00 (A) 270 | 2 W metal oxide (nonflammable) |
| R313, 363 | (A) 1-211-516-00 (B) 56 | ¼ W carbon (nonflammable) |
| R320, 370 | (A) 1-211-516-00 (B) 56 | ¼ W carbon (nonflammable) |
| R321, 371 | 1-244-894-00 (A) 7.5 k | ½ W carbon |
| R322, 372 | (A) 1-211-516-00 (B) 56 | ¼ W carbon (nonflammable) |
| R323, 373 | (A) 1-211-516-00 (B) 56 | ¼ W carbon (nonflammable) |
| R324, 374 | (A) 1-211-522-00 (C) 100 | ¼ W carbon (nonflammable) |
| R329, 379 | (A) 1-211-522-00 (C) 100 | ¼ W carbon (nonflammable) |
| R330, 380 | 1-217-156-00 (A) 0.22 | 5 W wirewound |
| R331, 381 | (A) 1-211-518-00 (C) 68 | ¼ W carbon (nonflammable) |
| R332, 382 | (A) 1-211-518-00 (C) 68 | ¼ W carbon (nonflammable) |
| R334, 384 | (A) 1-211-526-00 (C) 150 | ¼ W carbon (nonflammable) |
| R337, 387 | 1-244-817-00 (A) 4.7 | ½ W carbon |
| R405 | (A) 1-206-661-00 (A) 750 | 2 W metal oxide (nonflammable) |
| R501, 508 | (A) 1-206-483-00 (A) 68 | 2 W metal oxide (nonflammable) |
| R514 | 1-244-859-00 (A) 270 | ½ W carbon |
| R601 | (A) 1-211-490-00 4.7 | ¼ W carbon (nonflammable) (US, Canadian model) |
| R601 | (A) 1-211-514-00 (A) 47 | ¼ W carbon (nonflammable) (AEP, UK, E model) |
| R602 | (A) 1-211-498-00 10 | ¼ W carbon (nonflammable) (US, Canadian model) |
| R602 | (A) 1-211-528-00 (A) 180 | ¼ W carbon (nonflammable) (AEP, UK, E model) |
| R603 | (A) 1-211-514-00 47 | ¼ W carbon (nonflammable) (US, Canadian model) |
| R603 | (A) 1-211-518-00 (C) 68 | ¼ W carbon (nonflammable) (AEP, UK, E model) |

| Ref. No. | Part No. | Description |
|----------|----------------------------|---|
| R604 | (A) 1-211-528-00 180 | ¼ W carbon (nonflammable) (US, Canadian model) |
| R604 | (A) 1-211-522-00 (C) 100 | ¼ W carbon (nonflammable) (AEP, UK, E model) |
| R605 | (A) 1-214-596-00 39 k | 2 W metal oxide (nonflammable) (US, Canadian model) |
| R605 | (A) 1-206-698-00 (A) 27 k | 2 W metal oxide (nonflammable) (AEP, UK, E model) |
| R606 | (A) 1-244-915-00 56 k | ½ W carbon (US, Canadian model) |
| R606 | (A) 1-214-595-00 (A) 100 k | 1 W metal oxide (nonflammable) (AEP, UK E model) |
| R607 | (A) 1-214-598-00 (A) 56 k | 1 W metal oxide (nonflammable) |
| R608 | (A) 1-246-473-00 (A) 1 k | ¼ W carbon |
| R609 | (A) 1-244-915-00 56 k | ½ W carbon (US, Canadian model) |
| R609 | (A) 1-214-595-00 (A) 100 k | 1 W metal oxide (nonflammable) (AEP, UK, E model) |
| R610 | (A) 1-211-945-00 (A) 2.2 k | ¼ W carbon (nonflammable) |
| R611 | (A) 1-211-532-00 (C) 270 | ¼ W carbon (nonflammable) |
| R612 | (A) 1-246-521-00 100 k | ¼ W carbon (US, Canadian model) |
| R612 | (A) 1-246-519-00 (A) 68 k | ¼ W carbon (AEP, UK, E model) |
| R613 | (A) 1-211-534-00 (C) 330 | ¼ W carbon (nonflammable) |
| R614 | (A) 1-246-519-00 68 k | ¼ W carbon (US, Canadian model) |
| R614 | (A) 1-244-927-00 (A) 180 k | ½ W carbon (AEP, UK, E model) |
| R615 | (A) 1-211-553-00 (A) 2.7 k | ¼ W carbon (nonflammable) |
| R618 | (A) 1-246-479-00 (A) 1.8 k | ¼ W carbon |
| R619 | (A) 1-246-497-00 (A) 10 k | ¼ W carbon |

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


SECTION 6

ELECTRICAL PARTS LIST


Note: Circled letters (A) to (Z) are applicable to European models only.

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|-----------------------|------------------|--------------------|
| SEMICONDUCTORS | | |
| Transistors | | |
| Q101, 151 | 8-765-342-10 (E) | 2SK97 |
| ⇒ Q102, 152 | 8-729-387-28 (B) | 2SA872E |
| ⇒ Q103, 153 | | |
| ⇒ Q104, 154 | 8-722-384-01 (C) | 2SK23A-840 (blue) |
| Q105, 155 | 8-729-203-04 (B) | 2SK30A |
| ⇒ Q106, 156 | 8-729-387-28 (B) | 2SA872E |
| ⇒ Q107, 157 | 8-723-304-00 (B) | 2SK43-4 |
| ⇒ Q108, 158 | 8-729-387-28 (B) | 2SA872E |
| ⇒ Q109, 159 | 8-729-377-58 (B) | 2SC1775E |
| Q110, 160 | 8-729-366-71 (B) | 2SD667 |
| Q111, 161 | 8-729-364-71 (B) | 2SB647 |
| ⇒ Q112, 162 | 8-723-304-00 (B) | 2SK43-4 |
| Q301, 351 | 8-761-510-06 (F) | 2SK58 |
| Q302, 352 | 8-729-366-81 (C) | 2SD668 |
| Q303, 353 | 8-729-364-81 (C) | 2SB648 |
| ⇒ Q304, 354 | 8-729-663-47 (B) | 2SC1364 |
| Q305 | 8-727-788-00 (B) | 2SA678 |
| ⇒ Q 355 | 8-729-663-47 (B) | 2SC1364 |
| Q306, 356 | 8-727-788-00 (B) | 2SA678 |
| ⇒ Q307 | 8-729-663-47 (B) | 2SC1364 |
| Q 357 | 8-727-788-00 (B) | 2SA678 |
| Q308, 358 | 8-729-364-71 (B) | 2SB647 |
| Q309, 359 | 8-729-366-71 (B) | 2SD667 |
| Q310, 360 | 8-729-365-53 (I) | 2SB655 |
| Q311, 361 | 8-729-367-53 (G) | 2SD675 |
| Q312, 362 | 8-727-788-00 (B) | 2SA678 |
| ⇒ Q313, 363 | 8-729-663-47 (B) | 2SC1364 |
| Q401 | 8-727-788-00 (B) | 2SA678 |
| ⇒ Q402-404 | 8-729-663-47 (B) | 2SC1364 |
| Q405 | 8-727-788-00 (B) | 2SA678 |
| ⇒ Q406, 407 | 8-729-663-47 (B) | 2SC1364 |
| ⇒ Q501, 502 | 8-727-314-00 (C) | 2SK42-4 |
| Q503 | 8-729-316-12 (C) | 2SC1061 |
| ⇒ Q504, 505 | 8-729-377-59 (B) | 2SC1775F |
| ⇒ Q506, 507 | 8-729-163-93 (B) | 2SA639S |
| Q508 | 8-729-317-12 (C) | 2SA671 |
| Q509 | 8-729-203-04 (B) | 2SK30A |

⇒: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|-----------------|-------------------|---------------------------------|
| ⇒ Q510 | 8-760-413-10 (B) | 2SC1475 |
| ⇒ Q511, 512 | 8-729-377-59 (B) | 2SC1775F |
| ⇒ Q601 | △8-729-308-71 | 2SC1986D-R (US, Canadian model) |
| ⇒ Q601 | △8-729-302-31 (D) | 2SC2023-R (AEP, UK, E model) |
| Q602 | △8-765-170-01 | 2SC1962 (US, Canadian model) |
| ⇒ Q602 | △8-729-377-59 (B) | 2SC1775F (AEP, UK, E model) |
| Q603 | △8-765-082-20 | 2SA896 (US, Canadian model) |
| Q603 | △8-765-141-00 (H) | 2SA911 (AEP, UK, E model) |
| Q604 | △8-765-012-20 | 2SC1811 (US, Canadian model) |
| ⇒ Q604 | △8-729-377-59 (B) | 2SC1775F (AEP, UK, E model) |
| ⇒ Q605, 606 | △8-727-788-00 (B) | 2SA678 |
| ⇒ Q607 | △8-729-163-93 (B) | 2SA639S |
| ⇒ Q608 | △8-729-377-59 (B) | 2SC1775F |
| ⇒ Q609-612 | △8-729-308-72 | 2SC1986D-O (US, Canadian model) |
| ⇒ Q609-612 | △8-729-302-31 (D) | 2SC2023-R |
| | △8-729-302-32 (D) | 2SC2023-O (AEP, UK, E model) |
| ⇒ Q613 | △8-729-308-71 | 2SC1986D-R (US, Canadian model) |
| ⇒ Q613 | △8-729-302-31 (D) | 2SC2023-R (AEP, UK, E model) |
| ⇒ Q701, 751 | 8-761-710-00 (B) | 2SC1637-1 |
| ⇒ Q704, 754 | | |
| ⇒ Q705, 755 | 8-729-387-28 (B) | 2SA872E |
| ⇒ Q706, 756 | | |
| ICs | | |
| IC201, 251 | 8-759-314-57 (C) | HA1457 |
| IC301, 351 | 8-751-710-00 (G) | CX171 |
| Diodes | | |
| D101, 151 | 8-719-912-00 (B) | MV12N |
| ⇒ D102, 152 | 8-719-931-26 (B) | EQB01-26 |
| ⇒ D103, 153 | | |
| ⇒ D201, 251 | 8-719-931-21 (B) | EQB01-21 |
| ⇒ D202, 252 | | |
| D301, 351 | 8-719-815-55 (A) | 1S1555 |
| D302, 352 | | |
| ⇒ D304, 354 | 8-719-931-21 (B) | EQB01-21 |
| ⇒ D305, 355 | | |
| ⇒ D401 | 8-719-931-07 (B) | EQB01-07 |
| D402 | 8-719-815-55 (A) | 1S1555 |
| D403 | 8-719-912-00 (B) | MV12N |
| D404 | 8-719-815-55 (A) | 1S1555 |

Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: Circled letters (A to Z) are applicable to European models only.

| Ref. No. | Part No. | Description |
|------------|---------------------------------------|-------------|
| D601 | A 8-719-303-41 C S34 | |
| ⇒D602 | A 8-719-156-08 B RD5.6E | |
| D603-605 | A 8-719-815-55 A 1S1555 | |
| D608-611 | A 8-719-303-41 C S34 | |
| ⇒D801-804 | A 8-719-811-55 C U05G | |
| ⇒D901, 951 | | |
| ⇒D902, 952 | 8-719-422-21 A 1T22AM | |
| D903, 953 | 8-719-815-55 A 1S1555 | |

MISCELLANEOUS

THP401, 4021-800-427-00 **B** Thermistor, positive

COILS

| | | |
|-----------|---|--|
| L301, 351 | 1-420-838-00 B 1.22 μ H | |
| L601 | A 1-421-349-00 G Line Filter (AEP, UK, E model) | |
| L601 | A 1-421-259-00 Line Filter (US, Canadian model) | |
| L602 | A 1-421-329-00 B Choke, 10 μ H | |
| L603 | A 1-407-161-XX A Microinductor, 22 μ H | |
| L604 | A 1-421-347-00 Choke, 0.77 μ H (US, Canadian model) | |
| L604 | A 1-421-348-00 J Choke, 6.5 mH (AEP, UK, E model) | |
| L605-608 | A 1-421-329-00 B Choke, 10 μ H | |

TRANSFORMERS

| | | |
|------|--|--|
| T601 | A 1-543-098-00 B Core (yellow) | |
| T601 | A 1-543-100-00 B Core (blue) | |
| T602 | A 1-543-121-00 B Core | |
| T603 | A 1-446-113-00 Inverter (US, Canadian model) | |
| T603 | A 1-446-129-00 N Inverter (AEP, UK, E model) | |

CAPACITORS

All capacitors are in μ F and ceramic unless otherwise noted.
50 WV or less are not indicated except for electrolytics.
p : μ F, elect : electrolytic
















| | | |
|-----------|--|--|
| C101, 151 | 1-102-963-00 A 33 p | |
| C102, 152 | 1-102-129-00 A 0.01 | |
| C103, 153 | 1-102-115-00 A 560 p | |
| C104, 154 | 1-130-125-00 B 0.016 100 V polyethylene | |
| C105, 155 | 1-130-126-00 B 0.056 100 V polyethylene | |


Note: The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.


| Ref. No. | Part No. | Description |
|-----------|--|-------------|
| C106, 156 | 1-102-973-00 A 100 p | |
| C107, 157 | 1-131-417-00 B 3.3 16 V tantalum | |
| C108, 158 | 1-102-963-00 A 33 p | |
| C109, 159 | 1-121-413-00 A 100 6.3 V elect | |
| C111, 161 | | |
| C112, 162 | 1-121-396-00 A 4.7 50 V elect | |
| C113, 163 | 1-130-133-00 B 0.056 100 V polyethylene | |
| C114, 164 | 1-121-352-00 A 47 10 V elect | |
| C115, 165 | | |
| C116, 166 | 1-121-261-00 B 220 35 V elect | |
| C201, 251 | 1-121-450-00 A 2.2 50 V elect | |
| C202, 252 | 1-102-945-00 A 8 p | |
| C203, 253 | 1-102-808-00 A 6 p | |
| C204, 254 | 1-102-934-00 A 1 p | |
| C205, 255 | 1-121-411-00 A 47 50 V elect | |
| C206, 256 | 1-121-396-00 A 4.7 50 V elect | |
| C207, 257 | 1-101-059-00 A 510 p | |
| C208, 258 | 1-102-979-00 A 240 p | |
| C209, 259 | 1-108-581-00 A 0.012 mylar | |
| C210, 260 | 1-108-585-00 A 0.018 mylar | |
| C211, 261 | 1-108-607-00 B 0.15 mylar | |
| C212, 262 | 1-108-585-00 A 0.018 mylar | |
| C213, 263 | 1-131-347-00 B 1 25 V tantalum | |
| C214, 264 | 1-121-450-00 A 2.2 50 V elect | |
| C215, 265 | 1-130-133-00 B 0.056 100 V polyethylene | |
| C216, 266 | 1-121-396-00 A 4.7 50 V elect | |
| C217, 267 | 1-130-133-00 B 0.056 100 V polyethylene | |
| C218, 268 | | |
| C219, 269 | 1-121-416-00 B 100 25 V elect | |
| C301, 351 | 1-102-972-00 A 91 p | |
| C302, 352 | 1-121-425-00 B 470 10 V elect | |
| C303, 353 | 1-108-591-00 A 0.033 mylar | |
| C304, 354 | 1-102-816-00 A 120 p | |
| C305, 355 | 1-108-587-00 A 0.022 mylar | |
| C306, 356 | | |
| C307, 357 | 1-102-977-00 A 200 p | |
| C308, 358 | 1-108-377-00 A 0.01 100 V mylar | |
| C309, 359 | 1-121-411-00 A 47 50 V elect | |
| C310, 360 | 1-121-245-00 B 1000 16 V elect | |
| C311, 361 | | |
| C312, 362 | 1-121-726-00 A 0.47 50 V elect | |

Note: Les composants identifiés par un trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.




Note: Circled letters (A) to (Z) are applicable to European models only.

| Ref. No. | Part No. | Description |
|-----------|--|------------------------------------|
| R620 |  1-246-511-00 (A) 39 k | ¼ W carbon |
| R621 |  1-246-469-00 680 | ¼ W carbon (US, Canadian model) |
| R621 |  1-246-470-00 (A) 750 | ¼ W carbon (AEP, UK, E model) |
| R622 |  1-217-156-00 (A) 0.22 | 5 W wirewound |
| R623 |  1-246-451-00 120 | ¼ W carbon (US, Canadian model) |
| R623 |  1-246-449-00 (A) 100 | ¼ W carbon (AEP, UK, E model) |
| R624 |  1-214-596-00 39 k | 2 W metal oxide (nonflammable) |
| | | (US, Canadian model) |
| R624-626 |  1-206-698-00 (A) 27 k | 2 W metal oxide (nonflammable) |
| | | (AEP, UK, E model) |
| R701, 751 | 1-244-850-00 (A) 110 | ½ W carbon |
| R705, 755 | 1-244-879-00 (A) 1.8 k | ½ W carbon |
| R708, 758 | 1-244-845-00 (A) 68 | ½ W carbon |
| R709, 759 | 1-244-809-00 (A) 2.2 | ½ W carbon |
| R801, 802 |  1-217-570-00 (B) 2.2 | 5 W metal oxide |
| R803 |  1-217-312-00 150 | 5 W wirewound (nonflammable) |
| | | (US, Canadian model) |
| R803 |  1-217-310-00 (B) 100 | 5 W wirewound (nonflammable) |
| | | (AEP, UK, E model) |
| R804 |  1-217-347-00 (B) 150 | 7 W wirewound (nonflammable) |
| | | (AEP, UK, E model) |
| R805 |  1-217-313-00 180 | 5 W wirewound (nonflammable) |
| | | (US, Canadian model) |
| R805 |  1-217-309-00 (B) 82 | 5 W wirewound (nonflammable) |
| | | (AEP, UK, E model) |
| R901, 951 | 1-244-877-00 (A) 1.5 k | ½ W carbon |
| R902, 952 | 1-244-881-00 (A) 2.2 k | ½ W carbon |
| R904, 954 |  1-207-640-00 (B) 470 | 2 W wirewound (nonflammable) |
| R905, 955 | 1-244-865-00 (A) 470 | ½ W carbon |

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.


| Ref. No. | Part No. | Description |
|------------|--|-------------------------------------|
| RT301, 351 | 1-224-251-XX (C) 4.7 k | adjustable; dc balance |
| RT302, 352 | 1-224-255-XX (C) 100 k | adjustable; dc bias |
| RT601 |  1-224-642-XX (B) 1 k | adjustable; dc voltage |
| RT901, 951 | 1-224-489-00 (B) 2.2 k | adjustable; meter level calibration |
| RV201, 251 | 1-226-122-00 (K) | 100 k/100 k/10 k/10 k, variable; |
| RV205, 255 | | ATTENUATOR |
| RV202, 252 | 1-226-120-00 (E) 100 k (N)/100 k (M) | variable; BALANCE |
| RV203, 253 | 1-226-121-00 (F) 100 k (A)/100 k (A) | variable; TREBLE |
| RV204, 254 | 1-226-119-00 (F) 100 k (C)/100 k (C) | variable; BASS |






SWITCHES








| | | |
|-------|--|--|
| S1 | 1-552-238-00 (F) | Lever-slide; FUNCTION (1) |
| S2 | 1-552-241-00 (I) | Rotary; FUNCTION (2) |
| S3, 4 | 1-552-237-00 (F) | Lever-slide, MONITOR, TAPE COPY |
| S5 | 1-552-240-00 (G) | Rotary; MODE |
| S6, 7 | 1-552-236-00 (D) | Lever-slide, HIGH FILTER 9 kHz, LOW FILTER 15 HZ |
| S8 | 1-516-962-00 (C) | Lever-slide; MUTING |
| S9 | 1-552-239-00 (E) | Rotary; SPEAKER |
| S10 |  1-552-141-00 (E) | Pushbutton, POWER (AEP, UK, E model) |
| S10 |  1-552-246-00 | Pushbutton, POWER (US, Canadian model) |
| VS1 |  1-552-535-00 (C) | Voltage Selector (AEP, UK, E model) |


JACKS


| | | |
|-----------|------------------|----------------------------|
| J101, 151 | 1-507-470-31 (C) | 4 p Phono, PHONO1, PHONO 2 |
| J102, 152 | | (HEAD AMP) |
| J103, 153 | 1-507-430-31 (D) | 6 p Phono, TUNER, AUX 1, |
| J105, 155 | | AUX 2 |
| J106, 156 | 1-507-429-31 (D) | 8 p Phono, TAPE 1, TAPE 2, |
| J109, 159 | | REC OUT 1, REC OUT 2 |
| J201, 202 | 1-507-502-00 (F) | Phone, TAPE 2, REC OUT 2 |
| J301, 351 | 1-507-470-31 (C) | 4 p Phono, POWER INPUT, |
| J302, 352 | | PRE OUTPUT |
| J901 | 1-507-454-00 (C) | Phone, HEADPHONES |

Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


| Ref. No. | Part No. | Description |
|---------------|--|--|
| MISCELLANEOUS | | |
| CNJ1 |  1-509-546-11 (C) | Socket, 3 p; ~ AC IN (AEP, UK, E model) |
| CNJ801-803 |  1-526-574-00 | Socket, 3 p; AC OUTLET (US, Canadian model) |
| CNP1 |  1-551-511-11 | Cord, power (US, Canadian model) |
| CP1 |  1-231-326-11 | Encapsulated Component (US model) |
| CP1 |  1-231-341-00 | Encapsulated Component (Canadian model) |

| | | |
|------|--|--|
| F801 |  1-532-272-XX | Fuse, 5A (US, Canadian model) |
| F801 |  1-532-286-00 (B) | Fuse, 2.5AT (AEP model: up to serial No. 501, 150) (UK model: up to serial No. 600, 050) E model: up to serial No. 400, 100) |
| F801 |  1-532-237-00 (B) | Fuse, 3,15AT (AEP model: serial No. 501, 151 and later) (UK model: serial No. 600, 051 and later) E model: serial No. 400, 101 and later) |
| F802 |  1-532-496-00 | Fuse, thermal; 10A 109°C (US, Canadian model) |
| F802 |  1-532-505-00 (B) | Fuse, 5AT (AEP model: up to serial No. 501, 150) (UK model: up to serial No. 600, 050) E model: up to serial No. 400, 100) |
| F802 |  1-532-325-00 (B) | Fuse, 6.3AT (AEP model: serial No. 501, 151 and later) (UK model: serial No. 600, 051 and later) E model: serial No. 400, 101 and later) |
| F803 |  1-532-496-00 (C) | Fuse, thermal; 10A 109°C (AEP, UK, E model) |




Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

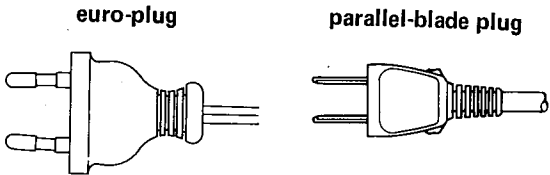
Note: Circled letters (A) to (Z) are applicable to European models only.

| Ref. No. | Part No. | Description |
|------------|--|---|
| ME901, 951 | 1-520-314-00 (K) | Meter, including PL801, 851 |
| PL801, 851 | 1-518-273-00 (B) | Lamp, meter; included in ME901, 951 |
| RY301, 351 | 1-515-257-00 (H) | Relay |
| RY801 |  1-515-278-00 (F) | Relay |
| TM1, 2 | 1-535-057-00 (E) | Terminal Strip, 4 p push; SPEAKER A, SPEAKER B |
| | 1-506-370-00 (B) | Plug, jumper |
| | 1-509-848-00 (B) | Socket, transistor |
| | 1-543-060-00 (E) | Core, bead |

ACCESSORIES AND PACKING MATERIALS

| Part No. | Description |
|--|---|
| 1-506-113-00 | (B) Shorting Plug |
|  1-534-754-00 | Cord, power; parallel-blade plug (E model) |
|  1-534-819-00 | (G) Cord, power (UK model) |
|  1-551-216-00 | Cord, power; euro-plug (E model) |
| 3-701-020-00 | (A) Bag, check sheet |
| 3-701-622-00 | (A) Bag, plastic (Canadian, UK model) |
| 3-770-247-11 | (E) Manual, instruction (AEP, UK, E model) |
| 3-770-247-21 | Manual, instruction (US, Canadian model) |
| 3-794-233-21 | Sheet, consumer products (US model) |
| 4-848-648-00 | (B) Bag, protection |
| 4-851-860-00 | (F) Carton |
| 4-851-861-00 | (B) Cushion |

— Power Cord —

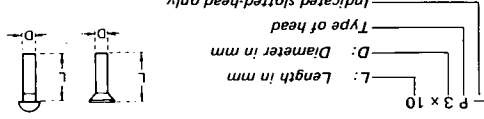


TA-F6B













European models only.


















| | | | | | | | | | | | | | | |
|-----|--------------|----|--------------|-----|--------------|------|--------------|-----|--------------|------|--------------|------|--------------|------|
| 9.1 | 1-246-424-00 | 91 | 1-246-448-00 | 910 | 1-246-472-00 | 9.1K | 1-246-471-00 | 820 | 1-246-447-00 | 82 | 1-246-423-00 | 8.2 | 1-246-424-00 | 9.1 |
| 8.2 | 1-246-423-00 | 82 | 1-246-447-00 | 820 | 1-246-471-00 | 8.2K | 1-246-495-00 | 83K | 1-246-519-00 | 820K | 1-246-543-00 | 820K | 1-246-544-00 | 910K |
| 7.5 | 1-246-422-00 | 75 | 1-246-446-00 | 750 | 1-246-470-00 | 7.5K | 1-246-494-00 | 75K | 1-246-518-00 | 750K | 1-246-542-00 | 750K | 1-246-541-00 | 680K |
| 6.8 | 1-246-421-00 | 68 | 1-246-445-00 | 680 | 1-246-469-00 | 6.8K | 1-246-493-00 | 68K | 1-246-517-00 | 680K | 1-246-541-00 | 680K | 1-246-540-00 | 620K |
| 6.2 | 1-246-420-00 | 62 | 1-246-444-00 | 620 | 1-246-468-00 | 6.2K | 1-246-492-00 | 62K | 1-246-516-00 | 620K | 1-246-540-00 | 620K | 1-246-539-00 | 560K |
| 5.6 | 1-246-419-00 | 56 | 1-246-443-00 | 560 | 1-246-467-00 | 5.6K | 1-246-491-00 | 56K | 1-246-515-00 | 560K | 1-246-539-00 | 560K | 1-246-538-00 | 510K |
| 5.1 | 1-246-418-00 | 51 | 1-246-442-00 | 510 | 1-246-466-00 | 5.1K | 1-246-490-00 | 51K | 1-246-514-00 | 510K | 1-246-538-00 | 510K | 1-246-537-00 | 470K |
| 4.7 | 1-246-417-00 | 47 | 1-246-441-00 | 470 | 1-246-465-00 | 4.7K | 1-246-489-00 | 47K | 1-246-513-00 | 470K | 1-246-537-00 | 470K | 1-246-536-00 | 430K |
| 4.3 | 1-246-416-00 | 43 | 1-246-440-00 | 430 | 1-246-464-00 | 4.3K | 1-246-488-00 | 43K | 1-246-512-00 | 430K | 1-246-536-00 | 430K | 1-246-535-00 | 390K |
| 3.9 | 1-246-415-00 | 39 | 1-246-439-00 | 390 | 1-246-463-00 | 3.9K | 1-246-587-00 | 39K | 1-246-511-00 | 390K | 1-246-535-00 | 390K | 1-246-534-00 | 360K |
| 3.6 | 1-246-414-00 | 36 | 1-246-438-00 | 360 | 1-246-462-00 | 3.6K | 1-246-586-00 | 36K | 1-246-510-00 | 360K | 1-246-534-00 | 360K | 1-246-533-00 | 330K |
| 3.3 | 1-246-413-00 | 33 | 1-246-437-00 | 330 | 1-246-461-00 | 3.3K | 1-246-585-00 | 33K | 1-246-509-00 | 330K | 1-246-533-00 | 330K | 1-246-532-00 | 300K |
| 3.0 | 1-246-412-00 | 30 | 1-246-436-00 | 300 | 1-246-460-00 | 3.0K | 1-246-584-00 | 30K | 1-246-508-00 | 300K | 1-246-532-00 | 300K | 1-246-531-00 | 270K |
| 2.7 | 1-246-411-00 | 27 | 1-246-435-00 | 270 | 1-246-459-00 | 2.7K | 1-246-583-00 | 27K | 1-246-507-00 | 270K | 1-246-531-00 | 270K | 1-246-530-00 | 240K |
| 2.4 | 1-246-410-00 | 24 | 1-246-434-00 | 240 | 1-246-458-00 | 2.4K | 1-246-582-00 | 24K | 1-246-506-00 | 240K | 1-246-530-00 | 240K | 1-246-529-00 | 220K |
| 2.2 | 1-246-409-00 | 22 | 1-246-433-00 | 220 | 1-246-457-00 | 2.2K | 1-246-581-00 | 22K | 1-246-505-00 | 220K | 1-246-529-00 | 220K | 1-246-528-00 | 200K |
| 2.0 | 1-246-408-00 | 20 | 1-246-432-00 | 200 | 1-246-456-00 | 2.0K | 1-246-580-00 | 20K | 1-246-504-00 | 200K | 1-246-528-00 | 200K | 1-246-527-00 | 180K |
| 1.8 | 1-246-407-00 | 18 | 1-246-431-00 | 180 | 1-246-455-00 | 1.8K | 1-246-579-00 | 18K | 1-246-503-00 | 180K | 1-246-527-00 | 180K | 1-246-526-00 | 160K |
| 1.6 | 1-246-406-00 | 16 | 1-246-430-00 | 160 | 1-246-454-00 | 1.6K | 1-246-578-00 | 16K | 1-246-502-00 | 160K | 1-246-526-00 | 160K | 1-246-525-00 | 150K |
| 1.5 | 1-246-405-00 | 15 | 1-246-429-00 | 150 | 1-246-453-00 | 1.5K | 1-246-577-00 | 15K | 1-246-501-00 | 150K | 1-246-525-00 | 150K | 1-246-524-00 | 130K |
| 1.3 | 1-246-404-00 | 13 | 1-246-428-00 | 130 | 1-246-452-00 | 1.3K | 1-246-576-00 | 13K | 1-246-500-00 | 130K | 1-246-524-00 | 130K | 1-246-523-00 | 120K |
| 1.2 | 1-246-403-00 | 12 | 1-246-427-00 | 120 | 1-246-451-00 | 1.2K | 1-246-475-00 | 12K | 1-246-499-00 | 120K | 1-246-523-00 | 120K | 1-246-522-00 | 110K |
| 1.1 | 1-246-402-00 | 11 | 1-246-426-00 | 110 | 1-246-450-00 | 1.1K | 1-246-474-00 | 11K | 1-246-498-00 | 110K | 1-246-522-00 | 110K | 1-246-521-00 | 100K |
| 1.0 | 1-246-401-00 | 10 | 1-246-425-00 | 100 | 1-246-449-00 | 1.0K | 1-246-473-00 | 10K | 1-246-497-00 | 100K | 1-246-521-00 | 100K | 1-246-520-00 | 91K |
| 9 | Part No. | 9 | Part No. | 9 | Part No. | 9 | Part No. | 9 | Part No. | 9 | Part No. | 9 | Part No. | 9 |
| | Part No. | | Part No. | | Part No. | | Part No. | | Part No. | | Part No. | | Part No. | |

HARDWARE NOMENCLATURE



-Indicated slotted-head only.
Unless otherwise indicated, it means cross-recessed head (Phillips type).

| Reference | Designation | Shape | Description | Remarks |
|-----------|-------------|---|---|--|
| P | |  | pan-head screw | binding-head (B) screw for replacement |
| PWH | |  | pan-head screw with washer face | binding-head (B) screw and replacement |
| PS | |  | pan-head screw with spring washer | binding-head (B) screw and spring washer for replacement |
| PSM | |  | pan-head screw with spring and flat washers | binding-head (B) screw and spring and flat washers for replacement |
| R | |  | round-head screw | binding-head (B) screw for replacement |
| K | |  | flat-counter-sunk-head screw | |
| RK | |  | oval-counter-sunk-head screw | |
| B | |  | binding-head screw | |
| T | |  | truss-head screw | binding-head (B) screw for replacement |
| F | |  | flat-filler-head screw | |
| RF | |  | fillister-head screw | |
| BV | |  | braizer-head screw | |

| Reference Designation | Shape | Description | Remarks |
|----------------------------|---|--|---|
| TA |  | self-tapping screw | ex: TA, P 3 x 10 |
| PTP |  | pan-head self-tapping screw | binding-head self-tapping (TA, B) screw for replacement |
| PTPW |  | screw with washer face | binding-head self-tapping (TA, B) screw and flat washer for replacement |
| PTTW |  | pan-head thread-rolling screw with washer face | binding-head (B) screw and flat washer for replacement |
| SELF-TAPPING SCREWS | | | |
| TA |  | self-tapping screw | ex: TA, P 3 x 10 |
| PTP |  | pan-head self-tapping screw | binding-head self-tapping (TA, B) screw for replacement |
| PTPW |  | screw with washer face | binding-head self-tapping (TA, B) screw and flat washer for replacement |
| PTTW |  | pan-head thread-rolling screw with washer face | binding-head (B) screw and flat washer for replacement |
| SET SCREWS | | | |
| SC |  | set screw | |
| SC |  | hexagon-socket set screw | ex: SC 2.6 x 4, hexagon socket |
| NUT | | | |
| N |  | nut | |
| WASHERS | | | |
| W |  | flat washer | |
| SW |  | spring washer | |
| LW |  | internal-tooth lock washer | ex: LW3, internal |
| LW |  | external-tooth lock washer | ex: LW3, external |
| RETAINING RINGS | | | |
| E |  | retaining ring | |
| G |  | grip-type retaining ring | |

Retaining ring:
N 3
Diameter of usable screw or shaft
Reference designation

Nut, Washer, Retaining ring:

9-958-431-11

Sony Corporation © 1978

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