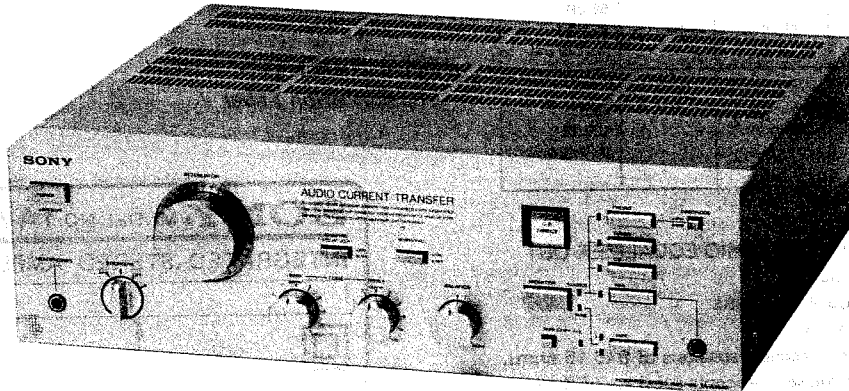


TA-AX500

US Model
AEP Model
UK Model
E Model



INTEGRATED STEREO AMPLIFIER

SPECIFICATIONS

Amplifier section

Audio Power Specifications

US model:

Power output and total harmonic distortion:
With 8 ohm loads, both channels driven, from
20–20,000 Hz; rated 80 watts per channel
minimum RMS power, with no more than
0.008% total harmonic distortion from 250
milliwatts to rated output.

Continuous RMS power output

| AEP model | UK model | E model |
|--|--|--|
| 90 + 90 watts (1 kHz, 0.008% THD, at 8 ohms) | 100 + 100 watts (1 kHz, 0.008% THD, at 6 ohms) | Music power: 300 watts (1 kHz, 0.1% THD, at 6 ohms) |
| 80 + 80 watts (20 Hz–20 kHz, 0.008% THD, at 8 ohms) | 80 + 80 watts (20 Hz–20 kHz, 0.008% THD, at 8 ohms) | 100 + 100 watts (1 kHz, 0.008% THD, at 6 ohms) |
| 80 + 80 watts (According to DIN 45500, 0.008% THD, at 8 ohms) | | 80 + 80 watts (20 Hz–20 kHz, 0.008% THD, at 8 ohms) |

Power bandwidth (IHF)

5 Hz–50 kHz (40 watts output, 8 ohms,
0.02% THD)

Dynamic headroom

1.8 dB (8 ohms, '78 IHF)

Harmonic distortion

Less than 0.008% at rated output (8 ohms)

Intermodulation (IM) distortion

Less than 0.008% at rated output (8 ohms)

(60 Hz : 7 kHz = 4 : 1)

Dynamic range

TUNER, AUX, CD, TAPE 1, 2, GRAPHIC
EQUALIZER IN : 120 dB

Channel separation

PHONO MM : 82 dB

(at 1 kHz)

TUNER, AUX, CD, TAPE 1, 2, GRAPHIC
EQUALIZER IN : 84 dB

Frequency response

PHONO : RIAA equalization curve ± 0.2 dB

TUNER, AUX, CD, TAPE 1, 2, GRAPHIC
EQUALIZER IN :

5 Hz–100 kHz ± 0.3 dB (AEP model)

5 Hz–150 kHz ± 0.3 dB (UK, E, US models)

Residual noise

Less than 25 μ V (8 ohms, network A)

Damping factor

50 (8 ohms, 1 kHz)

— Continued on page 2 —

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK
ON THE SCHEMATIC DIAGRAMS 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.



SONY

SERVICE MANUAL

TA-AX500

Inputs

| | Setting of the CARTRIDGE switch | Sensitivity | Impedance | Maximum input capability (1 kHz) | S/N (weighting network, input level) |
|---|---------------------------------|-------------|-----------|----------------------------------|--------------------------------------|
| PHONO | MM | 2.5 mV | 50 k ohm | 150 mV | 88 dB 86 dB * (A, 2.5 mV) |
| | MC | 170 μ V | 100 ohm | 8 mV | 68 dB 75 dB * (A, 170 μ V) |
| TUNER, AUX, CD TAPE 1, 2 GRAPHIC EQUALIZER IN | — | 150 mV | 50 k ohm | — | 98 dB 100 dB * (A, 150 mV) |

* '78 IHF

Outputs

REC OUT 1, 2, GRAPHIC EQUALIZER OUT
Voltage 150 mV

Impedance 4.7 k ohms

SPEAKER A, B

AEP model: Accepts speakers of 8 to 16 ohms.

US, UK, E model: Accepts speakers of 6 to 16 ohms.

HEADPHONES

Accepts low and high impedance headphones.

Tone controls

BASS

± 10 dB at 60 Hz (turnover freq. 300 Hz)

TREBLE

± 8 dB at 25 kHz (turnover freq. 5 kHz)

Subsonic filter

6 dB/octave attenuation below 15 Hz

General System

Integrated stereo amplifier

Power amplifier section

Legato linear, pure-complementary, SEPP OCL dc power amplifier with all stages direct coupled

Preamplifier section

Equalizer section: Low-noise high-gain equalizer amp

Audio Current Transfer section: Bridge-balance type voltage-to-current converter

FET buffer power supply

Power requirements

US model:

120 V ac, 60 Hz

AEP model:

220 V ac (or 240 V ac adjustable by authorized Sony personnel), 50/60 Hz

UK model:

240 V ac (or 220 V ac adjustable by authorized Sony personnel), 50/60 Hz

E model:

120, 220 or 240 V ac adjustable, 50/60 Hz

Power consumption

US model: 162 watts

AEP, E model: 200 watts

UK model: 170 watts

AC outlets

AEP model: 1 switched, 100 watts max.

US, E model: 2 switched, total 100 watts max.
1 unswitched, 100 watts max.

Dimensions

Approx. 430 x 130 x 365 mm (w/h/d)
(17 x 5 $\frac{1}{8}$ x 14 $\frac{3}{8}$ inches)

including projecting parts and controls

Weight

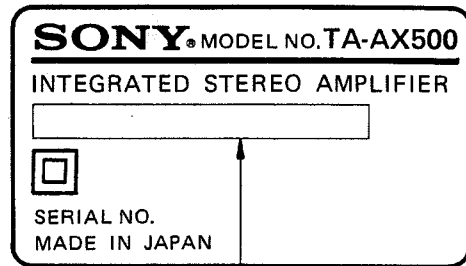
Approx. 11 kg (24 lbs 5 oz) net

Approx. 12.4 kg (27 lbs 6 oz) in shipping carton

*Specification values are measured at 30 dB attenuator, except those of residual noise and inputs.

MODEL IDENTIFICATION

— Specification Label —



US model: AC 120 V 60 Hz 162 W

AEP model: AC 220 V 50/60 Hz 200 W

UK model: AC 240 V 50/60 Hz 170 W

E model: AC 120, 220 or 240 V 50/60 Hz 200 W

FEATURES

Audio current drive amplifier

An unusual current transfer circuit design keeps the preamplifier and power amplifier stages electrically separate, thus equaling the quality of separate amplifiers.

Legato linear power amplifier stage

The operation of the power amplifier stage is stable without any observable distortion up through the higher frequencies. We call this power amplifier "legato linear", because its switching distortion is very low and its output waveform smooth.

Wide dynamic range of 120 dB

The use of Audio Current Transfer technique and legato linear power amplifier stage has made the amplifier's dynamic range as wide as 120 dB in actual use. This assures high-quality reproduction of digital audio sources.

CD DIRECT switch for pure CD sound reproduction

When you press the CD DIRECT switch, all circuits which are not necessary for CD playback are bypassed and you can enjoy pure digital sound.

Accepts either of the two types of cartridge

The high-gain equalizer amplifier stage using low-noise transistors accepts both moving-coil and moving-magnet cartridges.

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

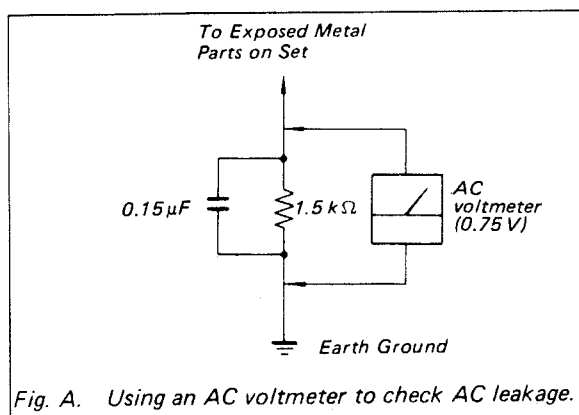
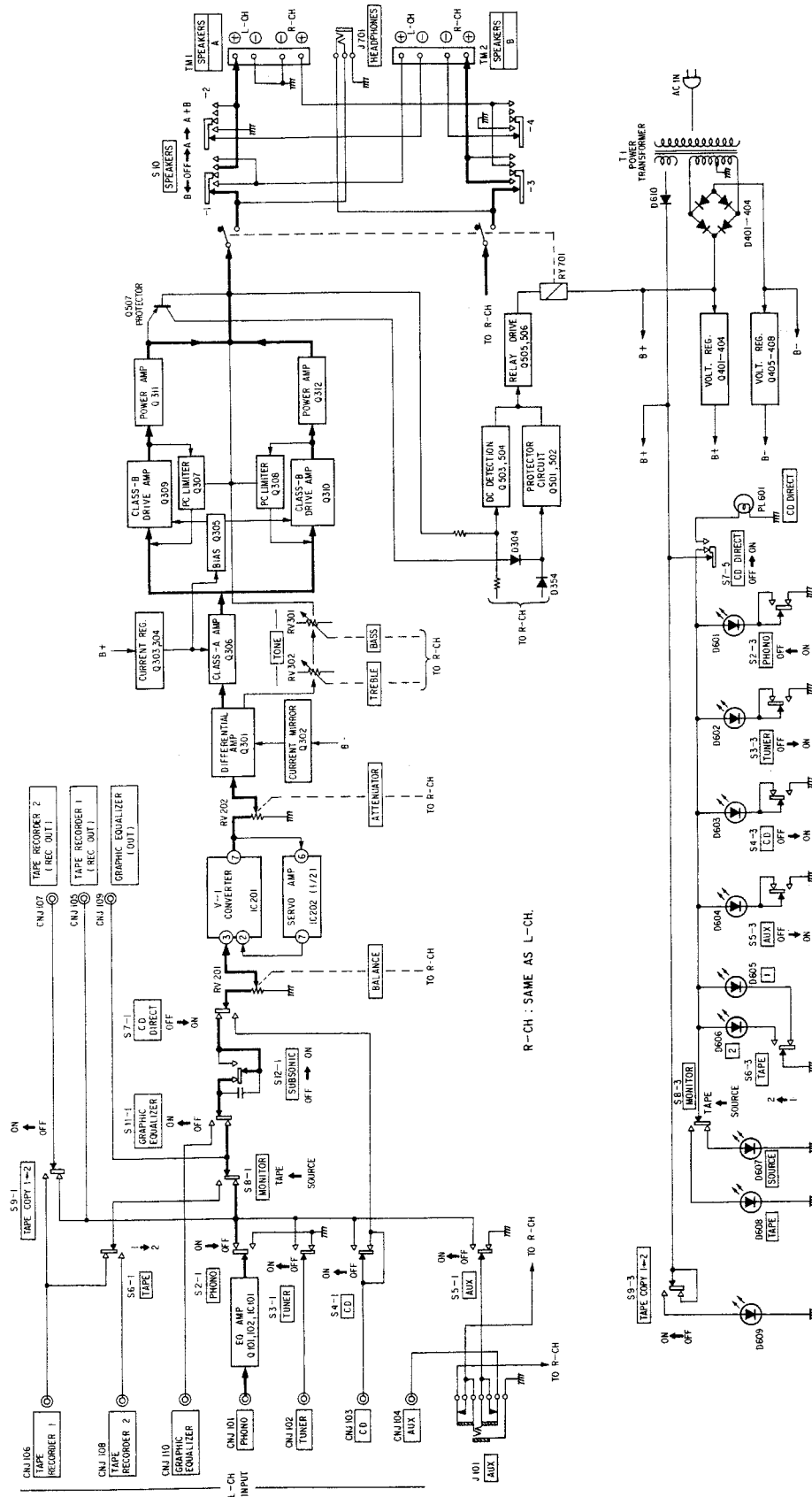


Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 1 OUTLINE

1-1. BLOCK DIAGRAM



**SECTION 2
DISASSEMBLY**

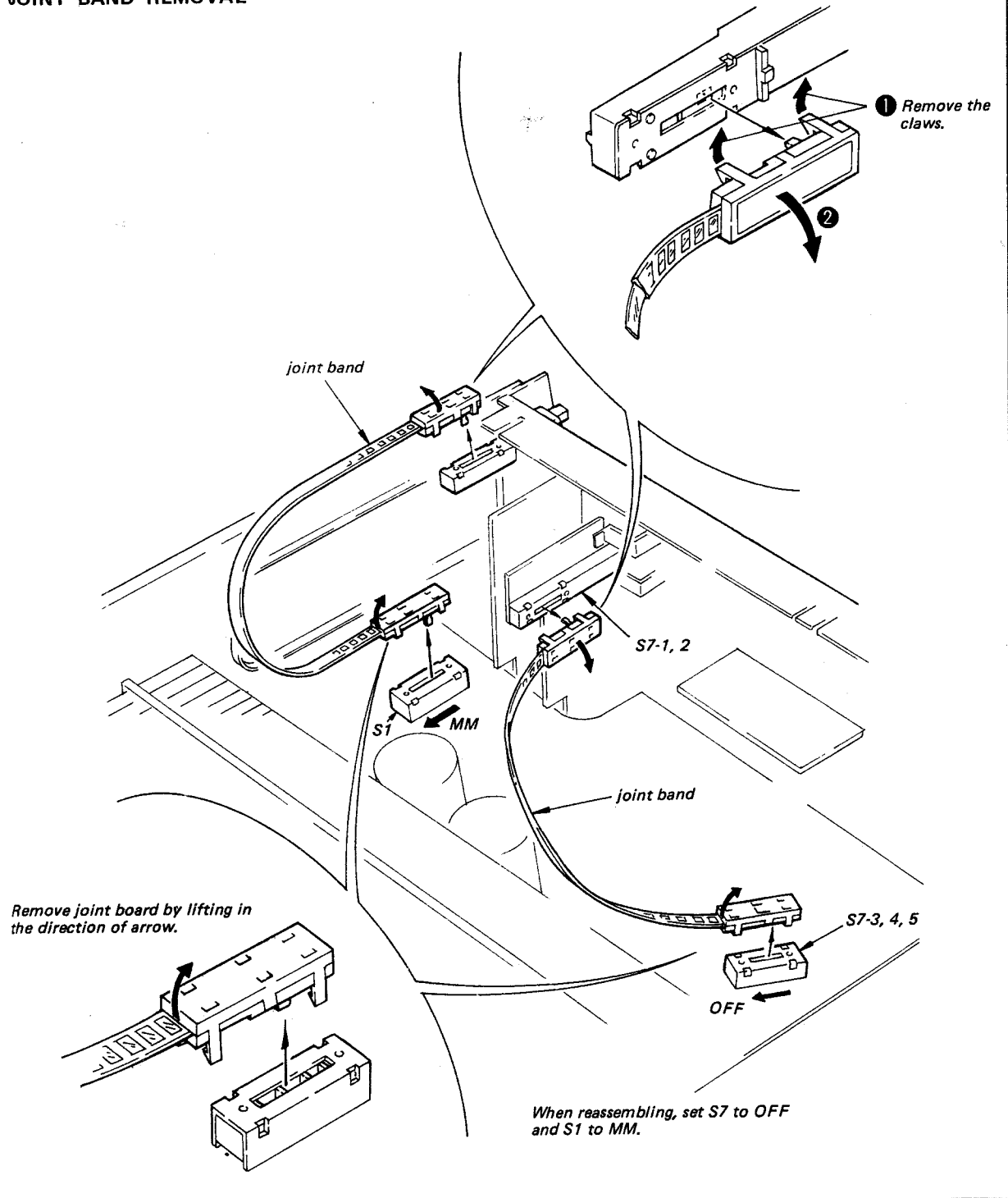
CASE REMOVAL

Remove case by taking out four screws securing case.

BOTTOM CASE REMOVAL

Remove bottom case by loosening eleven BVTT 3 x 6 securing bottom case.

JOINT BAND REMOVAL



SECTION 3 ADJUSTMENTS

3-1. ELECTRICAL ADJUSTMENTS

Note:

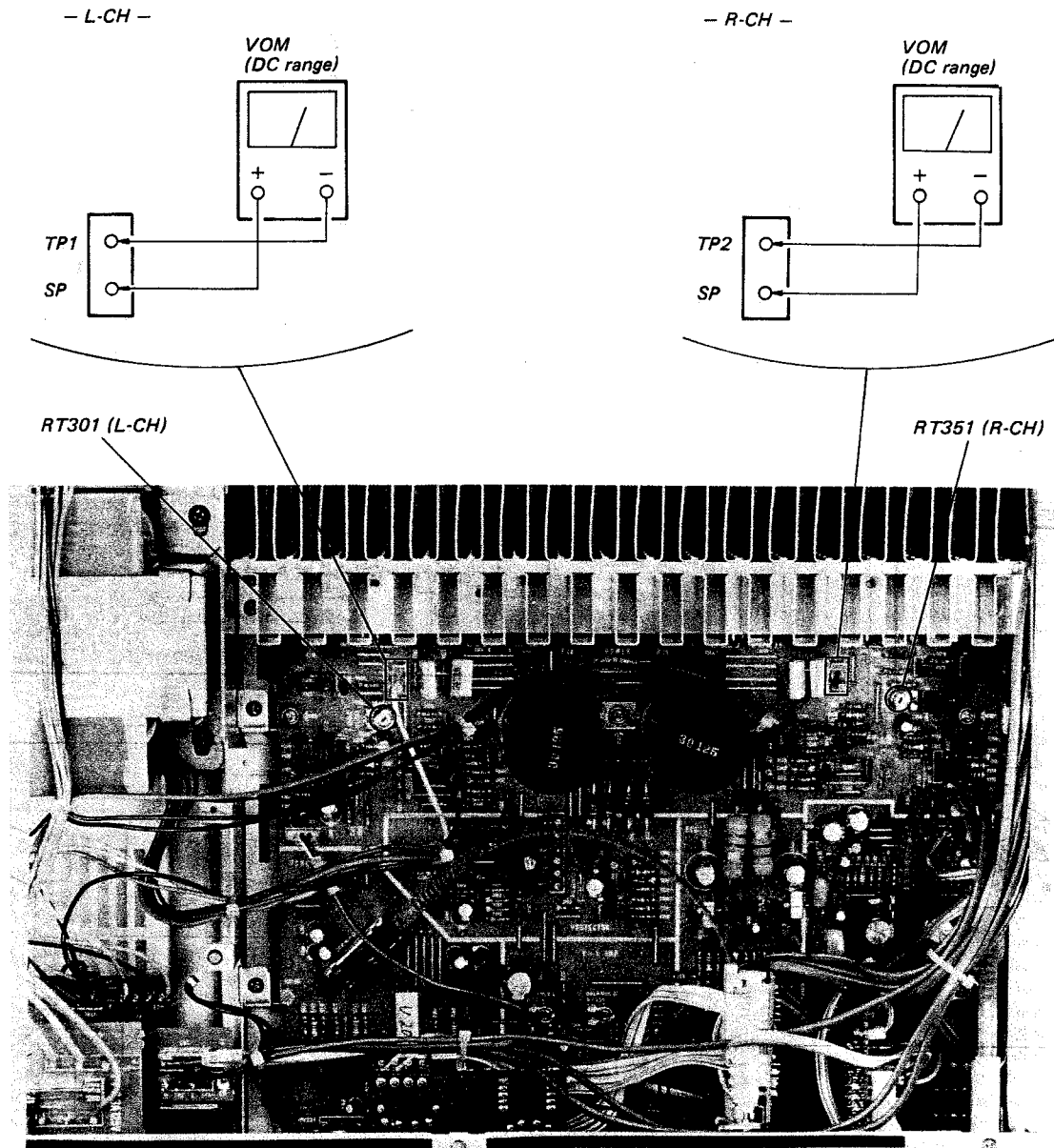
1. DC BIAS and DC BALANCE adjustments should be made several minutes after the POWER switch is turned on (POWER ON.).
2. Make DC BIAS adjustment first.
3. Repeat DC BIAS and DC BALANCE adjustments two or three times.
4. After replacing the power transistor, DC BIAS and DC BALANCE adjustment should be made.

DC Bias Adjustment (with no signal input)

Procedure:

Adjust RT301 (L-CH) and RT351 (R-CH) for 5 mV reading on the VOM.

Adjustment Location:



DC Balance Adjustment (with no signal input)

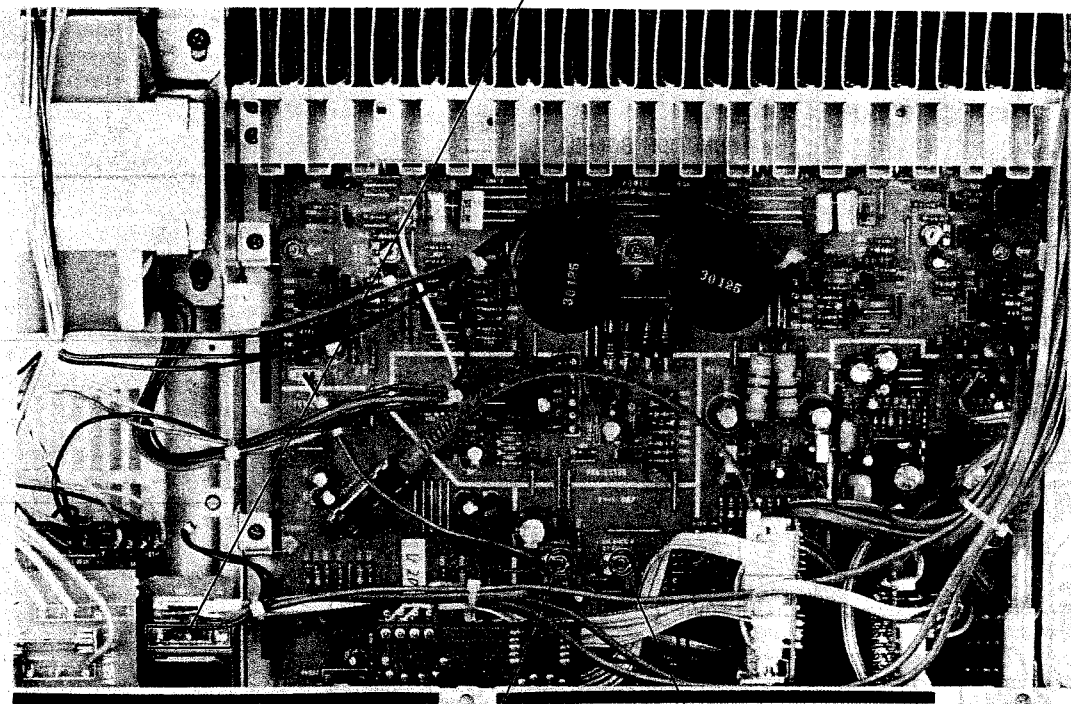
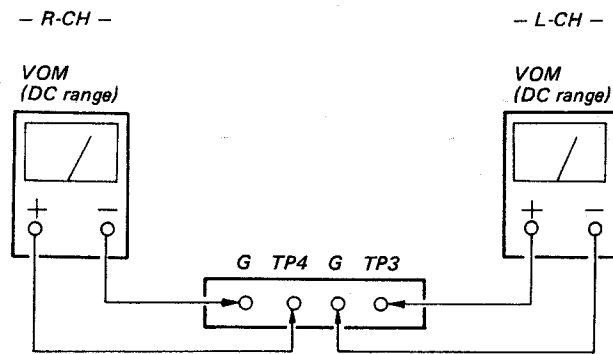
SETTING:

ATTENUATOR knob: MAX

Procedure:

Adjust RT201 (L-CH) and RT251 (R-CH) for 0 mV reading on the VOM.

Adjustment Location:



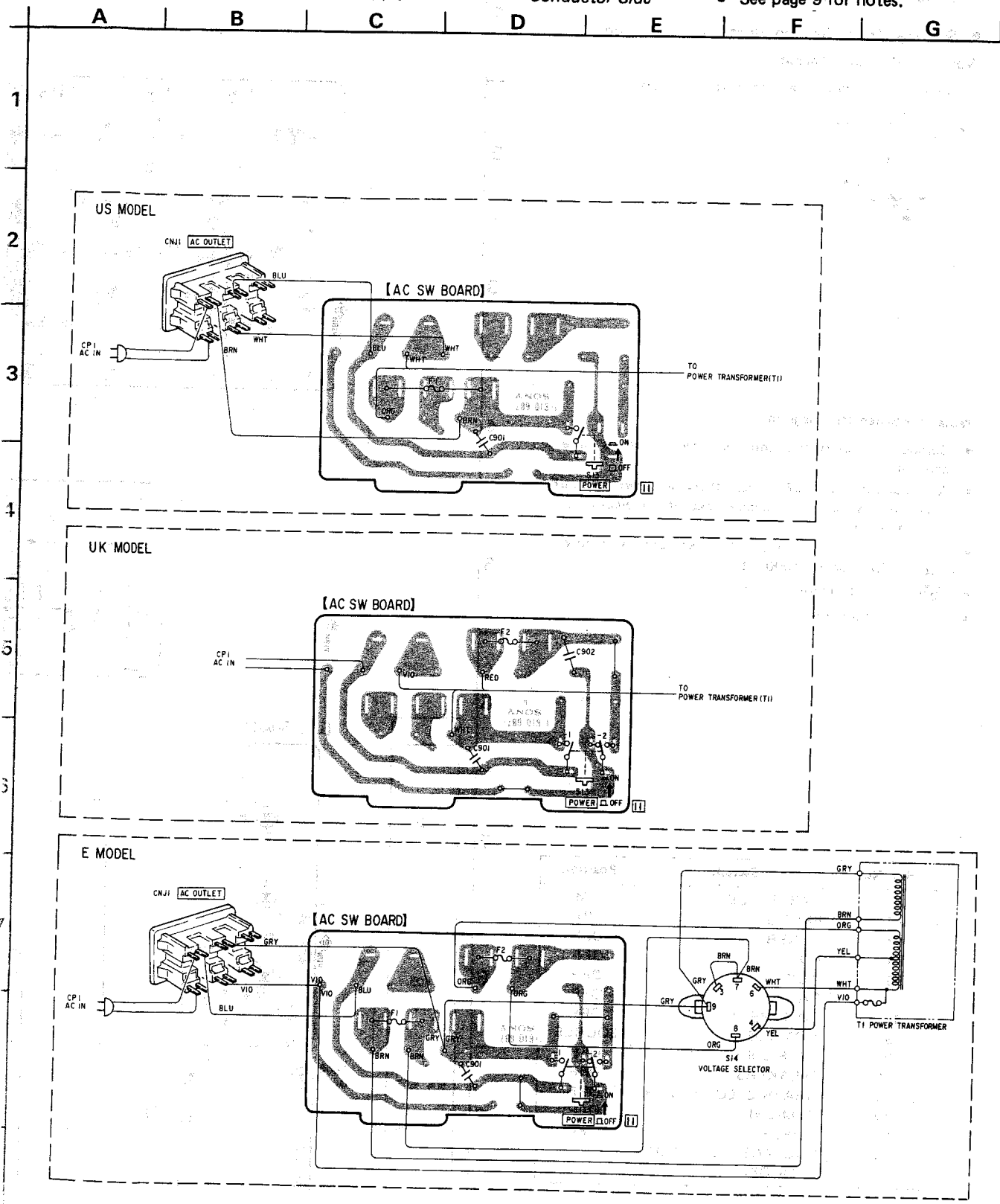
RT201
(L-CH)

RV251
(R-CH)

SECTION 4 DIAGRAMS

4-1. MOUNTING DIAGRAM —Power Supply Section — — Conductor Side —

• See page 9 for notes.



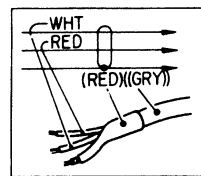
4-2. MOUNTING DIAGRAM

• See page 8 for mounting diagram of primary-side power supply section for US, UK, E model.

• See page 18 for Semiconductor Lead Layouts.

Note: for Mounting Diagram

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



- : B+ pattern
- : B- pattern
- : signal path
- : L-CH signal path
- : R-CH signal path

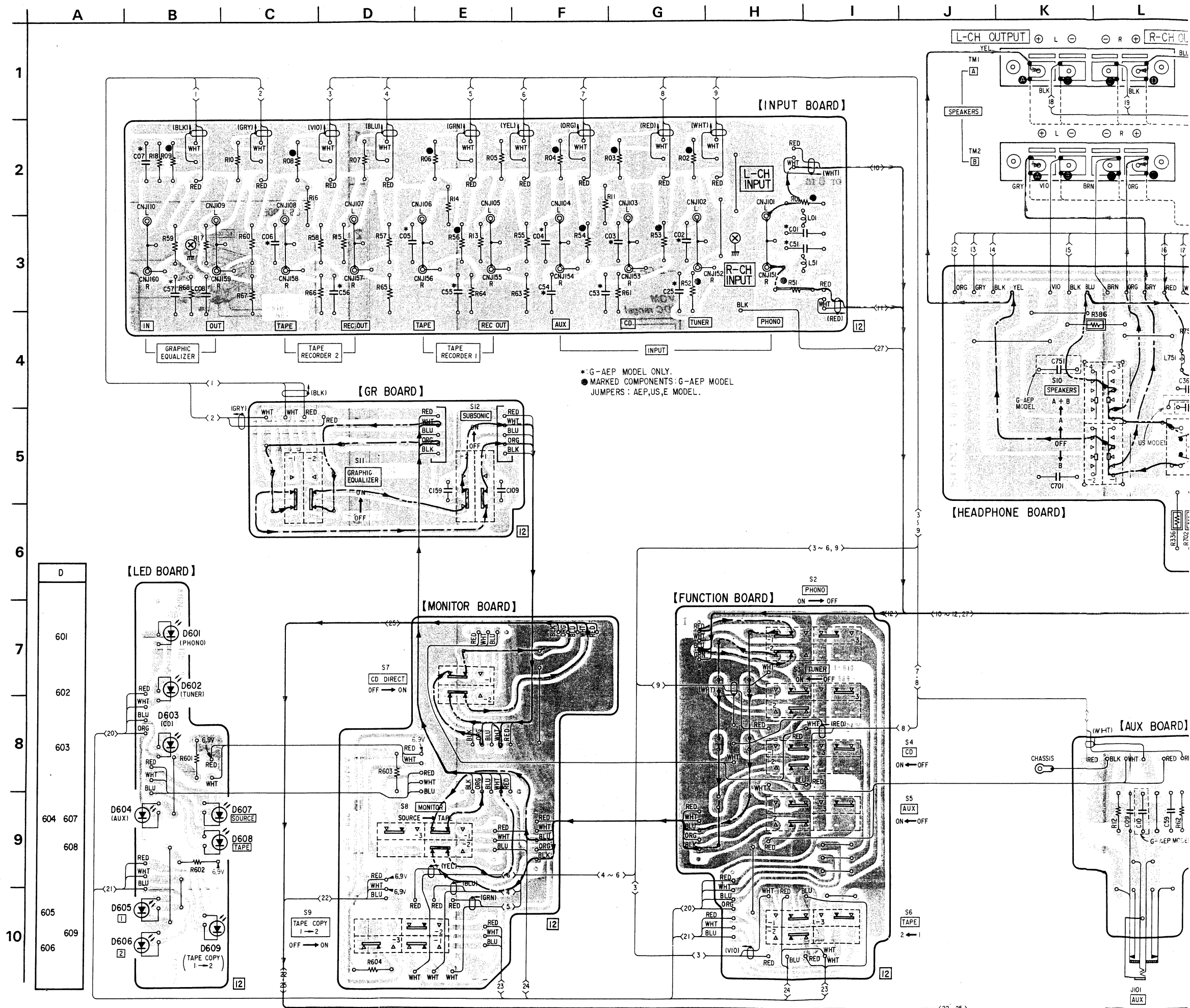
Note: for Schematic Diagram

- Components for right channel have same values as for left channel.
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000 $\text{k}\Omega$
- : nonflammable resistor.
- : signal path
- : adjustment for repair.
- : B+ bus.
- : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM.
- Voltage variations may be noted due to normal production tolerances.
- Switch

| Ref. No. | Switch | Position |
|----------|-----------------------------|----------|
| S1 | CARTRIDGE | MM |
| S2 | PHONO | ON |
| S3 | TUNER | OFF |
| S4 | CD | OFF |
| S5 | AUX | OFF |
| S6 | TAPE | OFF |
| S7 | CD DIRECT | OFF |
| S8 | MONITOR | SOURCE |
| S9 | TAPE COPY 1 \rightarrow 2 | OFF |
| S10 | SPEAKERS | OFF |
| S11 | GRAPHIC EQUALIZER | OFF |
| S12 | SUBSONIC | OFF |
| S13 | POWER | OFF |
| S14 | VOLTAGE SELECTOR (E MODEL) | |

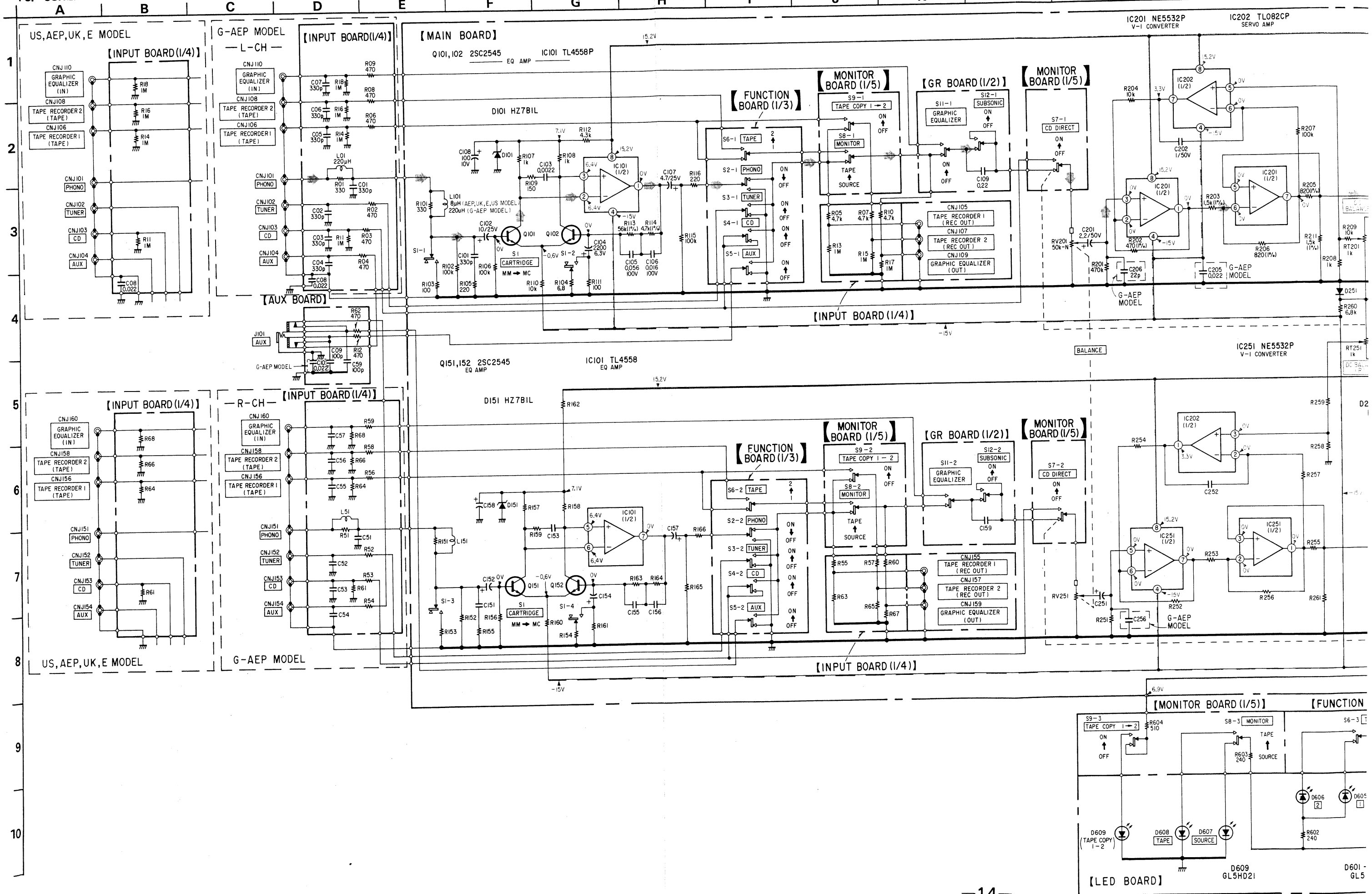
Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

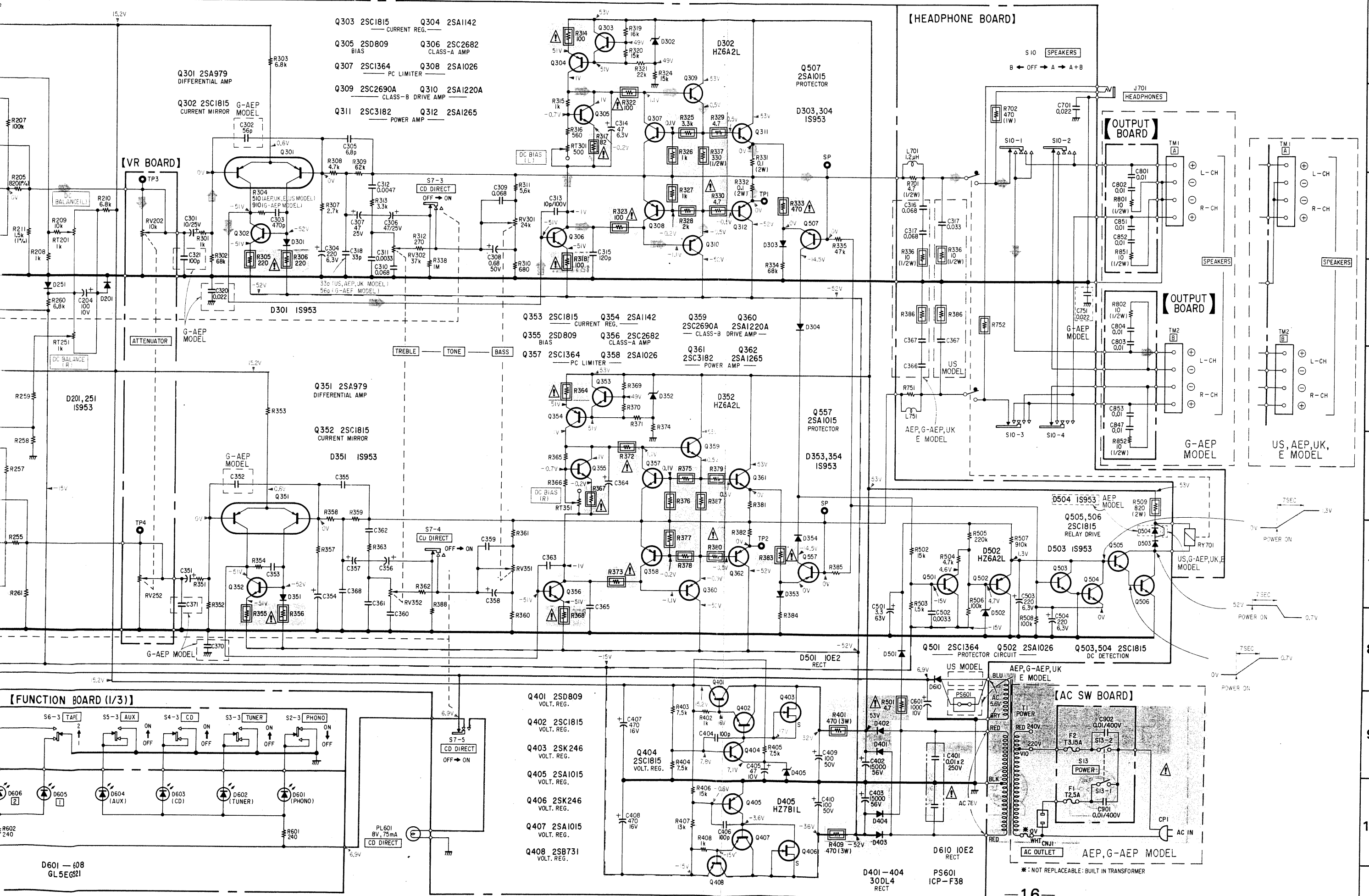
Note: Voltages are measured with a VOM (50k Ω /V).



4.3. SCHEMATIC DIAGRAM

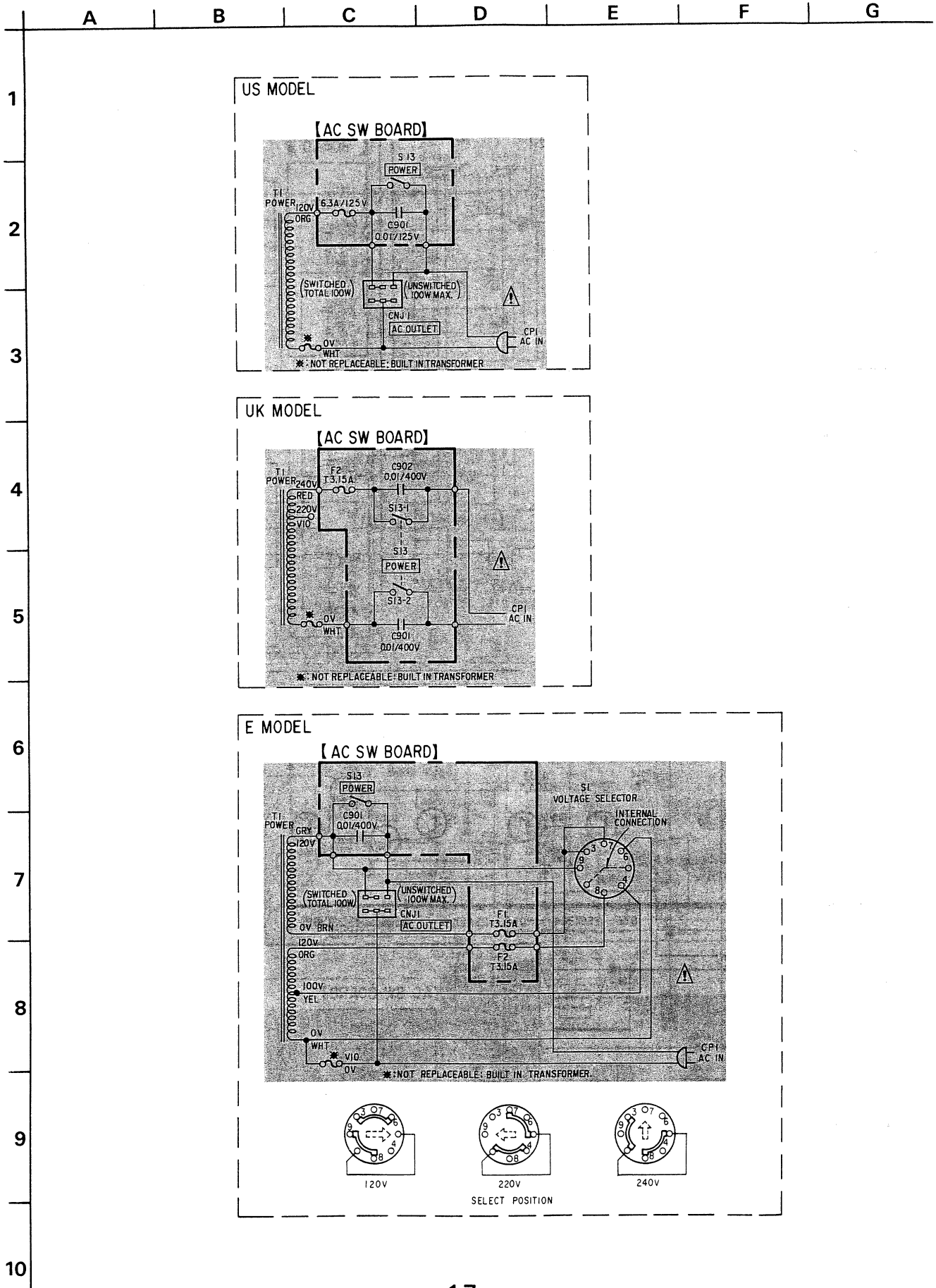
• See page 9 for notes. • See page 17 for schematic diagram of primary-side power supply section for US, UK, E model.



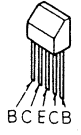
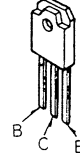
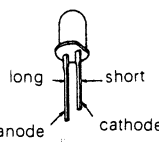
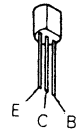
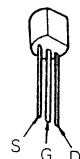
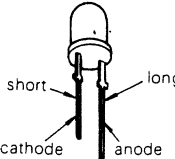
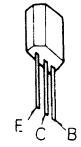
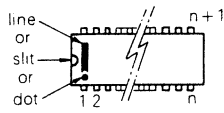
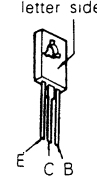
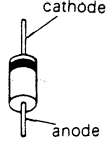


1
2
3
4
5
6
7
8
9
10
11

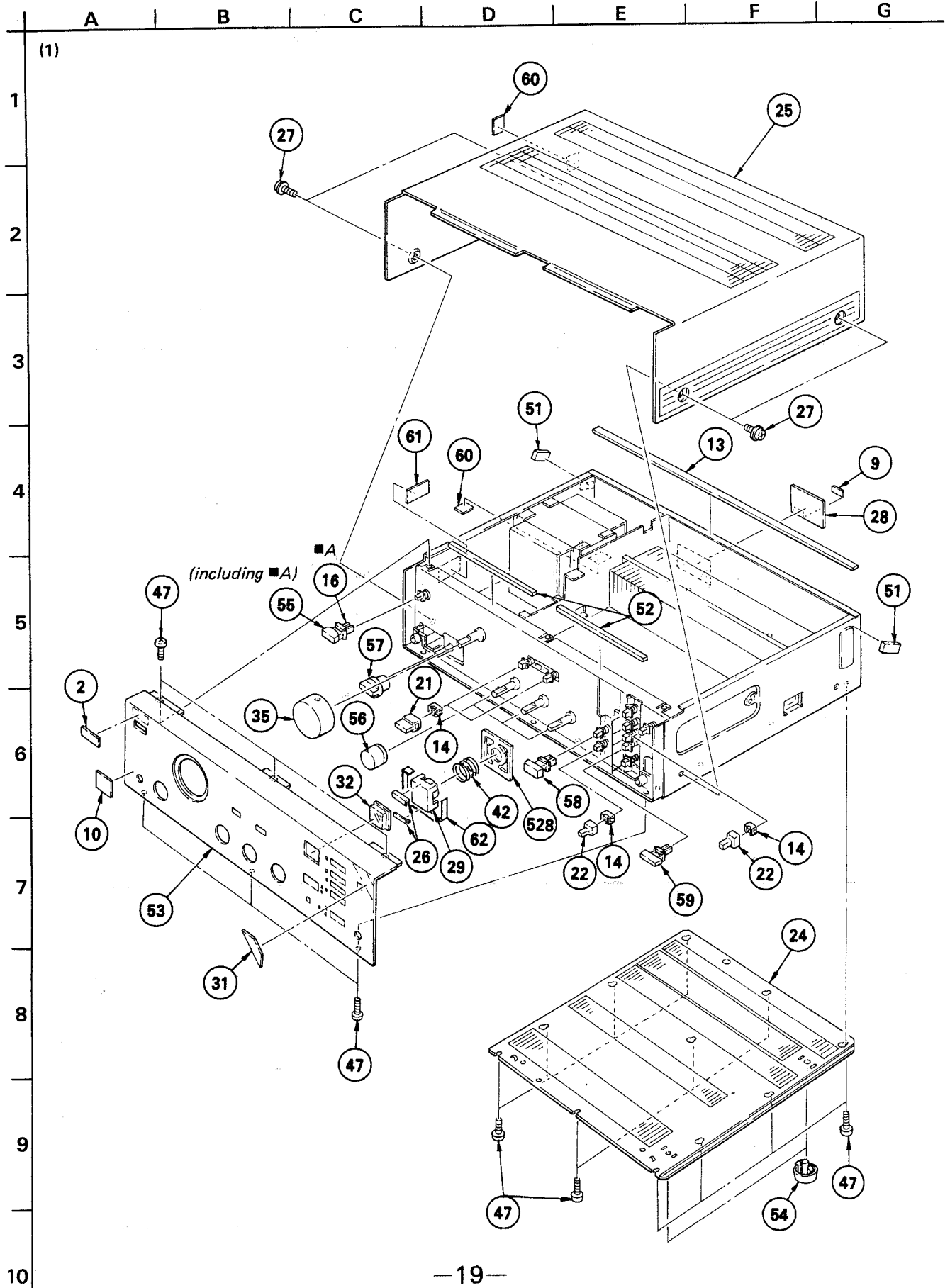
4.4. SCHEMATIC DIAGRAM – Power Supply Section – • See page 9 for notes.



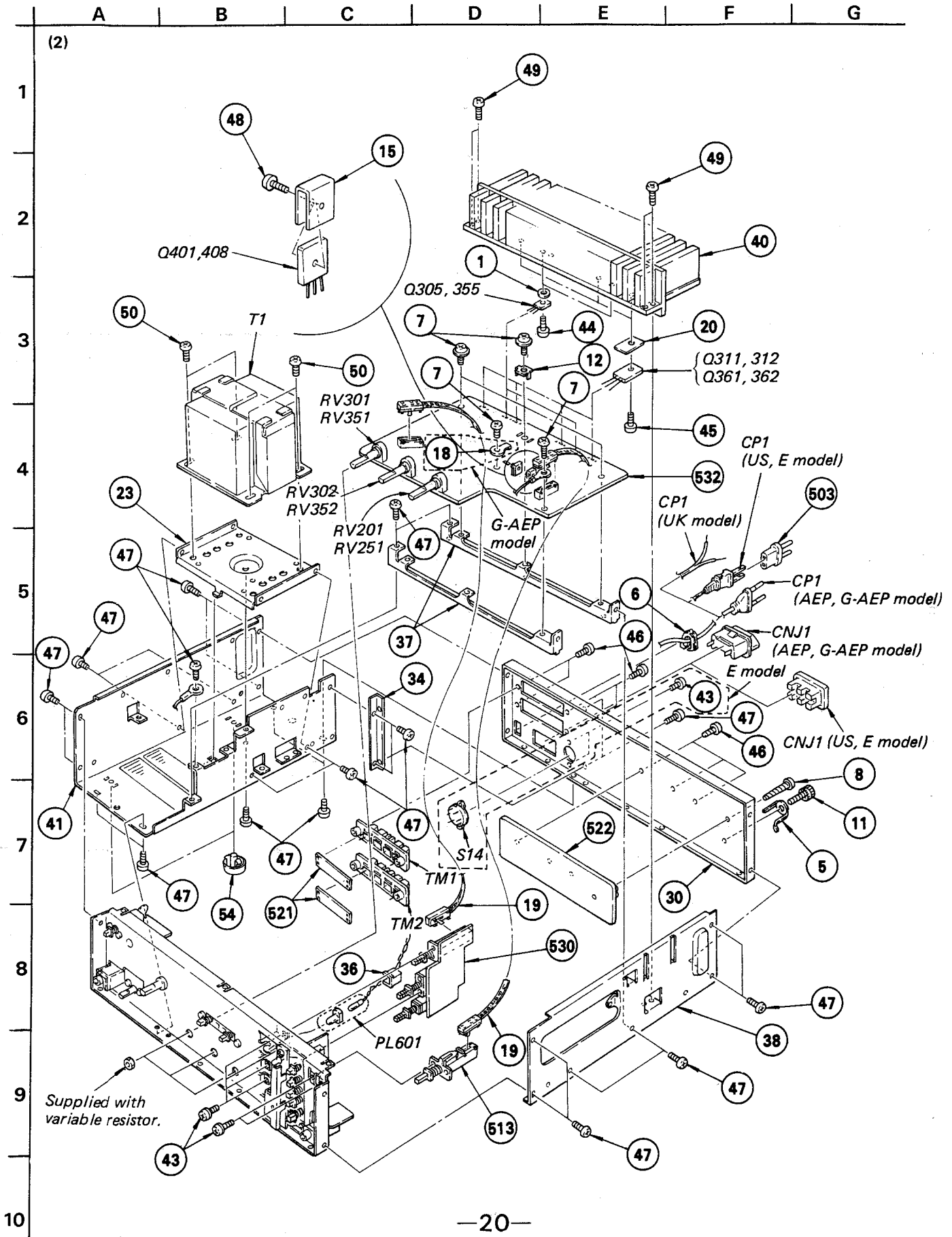
• Semiconductor Lead Layouts

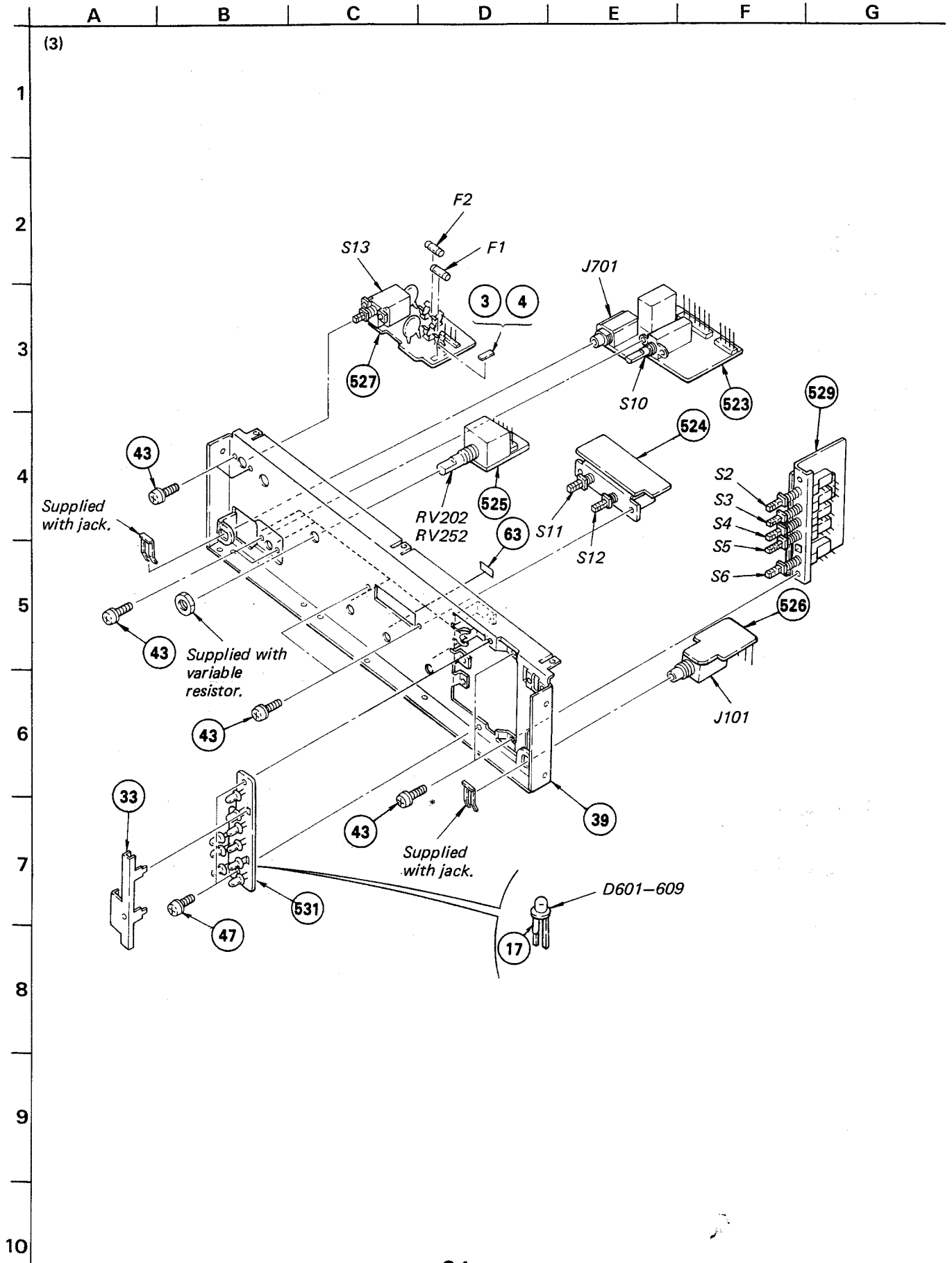
| | | |
|--|--|--|
| <p>2SA979</p>  | <p>2SA1265 2SC3182</p>  | <p>GL5HD21</p>  |
| <p>2SA1015 2SC1364 2SC1815-GR 2SC2545</p>  | <p>2SK246</p>  | <p>GL5EG521-B</p>  |
| <p>2SA1026-7</p>  | <p>NE5532P TL082CP TL4558P-B</p>  <p>(Top view)</p> | |
| <p>2SA1142 2SA1220A 2SB731 2SC2682 2SC2690A-Q 2SD809</p>  | <p>10E2 30DL4 1S953-7 HZ6A2L HZ7B1L</p>  | |

SECTION 5
EXPLODED VIEWS AND PARTS LIST



TA-AX500





GENERAL SECTION

| No. | Part No. | Description |
|-----|--------------|---|
| 1 | 3-572-365-01 | SHEET (A), INSULATING |
| 2 | 3-701-690-00 | (UK).....LABEL, MADE IN JAPAN |
| 3 | 3-701-948-18 | (AEP,G-AEP)...LABEL, FUSE |
| 4 | 3-701-948-19 | (E).....LABEL, FUSE |
| 5 | 3-701-993-00 | SPACER, TERMINAL |
| 6 | 3-703-244-00 | (AEP,G-AEP,UK)...BUSHING, CORD |
| 6 | 3-703-571-00 | (US,E).....BUSHING, CORD |
| 7 | 3-703-249-01 | SCREW, S TIGHT, +PTWH 3X6 |
| 8 | 3-703-473-00 | SCREW, TERMINAL |
| 9 | 3-703-591-02 | (G-AEP).....LABEL (23585S) (SMALL), FTZ |
| 10 | 3-703-710-01 | STICKER, SONY SYMBOL (12) |
| 11 | 3-706-165-00 | SCREW |
| 12 | 4-835-639-00 | PLATE, GROUND |
| 13 | 4-848-642-00 | CUSHION, VIBRATION |
| 14 | 4-864-307-00 | RING |
| 15 | 4-866-080-00 | HEAT SINK |
| 16 | 4-866-342-00 | JOINT (B), KNOB |
| 17 | 4-866-397-00 | CUSHION, LED |
| 18 | 4-870-539-00 | (G-AEP).....PLATE, GROUND |
| 19 | 4-873-753-21 | BAND, JOINT |
| 20 | 4-875-726-00 | SHEET, INSULATING |
| 21 | 4-881-704-91 | KNOB, SQUARE (5X16) |
| 22 | 4-881-705-11 | KNOB (5X6), SQUARE |
| 23 | 4-885-916-00 | BRACKET, TRANSFORMER |
| 24 | 4-885-922-00 | PLATE, BOTTOM |
| 25 | 4-885-927-11 | CASE |
| 26 | 4-886-031-00 | CHIP, ADHESIVE |
| 27 | 4-889-321-01 | SCREW |
| 28 | 4-889-802-00 | (US).....LABEL, MODEL NUMBER |
| 28 | 4-889-804-00 | (AEP,G-AEP)...LABEL, MODEL NUMBER |
| 28 | 4-889-805-00 | (UK).....LABEL, MODEL NUMBER |
| 28 | 4-889-806-00 | (E).....LABEL, MODEL NUMBER |
| 29 | 4-889-808-00 | JOINT, CD |
| 30 | 4-889-810-01 | (US).....PLATE, JACK |
| 30 | 4-889-810-11 | (AEP,G-AEP)...PLATE, JACK |
| 30 | 4-889-810-21 | (UK).....PLATE, JACK |
| 30 | 4-889-810-31 | (E).....PLATE, JACK |
| 31 | 4-889-813-00 | STICKER (C) |
| 32 | 4-889-814-00 | KNOB, CD |
| 33 | 4-889-815-00 | BRACKET, LED |
| 34 | 4-889-819-00 | BRACKET |
| 35 | 4-889-820-00 | KNOB (DIA. 48), R H |
| 36 | 4-889-823-00 | JOINT, KNOB |
| 37 | 4-889-824-00 | CHANNEL |
| 38 | 4-889-826-00 | PLATE, SIDE, RIGHT |
| 39 | 4-889-827-00 | PANEL, SUB |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

- All resistors are in ohms.
- F : nonflammable

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

In each case, U : μ, for example:
 UA...: μA..., UPA...: μPA..., UPC...: μPC,
 UPD...: μPD...

GENERAL SECTION

| No. | Part No. | Description |
|-----|--------------|------------------------------------|
| 40 | 4-889-828-00 | HEAT SINK |
| 41 | 4-889-829-00 | PLATE, SIDE, LEFT |
| 42 | 4-889-830-00 | SPRING, COMPRESSION |
| 43 | 7-682-647-01 | SCREW +PS 3X6 |
| 44 | 7-682-649-01 | SCREW +PS 3X10 |
| 45 | 7-682-950-01 | SCREW +PSW 3X12 |
| 46 | 7-685-646-11 | SCREW +BVTP 3X8 TYPE2 N-S |
| 47 | 7-685-871-01 | SCREW +BVTT 3X6 (S) |
| 48 | 7-685-872-01 | SCREW +BVTT 3X8 (S) |
| 49 | 7-685-873-01 | SCREW +BVTT 3X10 (S) |
| 50 | 7-685-880-01 | SCREW +BVTT 4X6 (S) |
| 51 | 9-911-841-XX | CUSHION |
| 52 | 9-911-845-XX | CUSHION |
| 53 | A-4322-525-A | PANEL ASSY |
| 54 | X-4864-303-0 | FOOT ASSY |
| 55 | X-4886-102-0 | KNOB ASSY, POWER C |
| 56 | X-4889-801-0 | KNOB (DIA. 24) ASSY, R D |
| 57 | X-4889-802-0 | KNOB ASSY, SPEAKER E |
| 58 | X-4889-803-0 | KNOB ASSY, SQUARE C |
| 59 | X-4889-804-0 | KNOB ASSY, SQUARE C |
| 60 | 3-703-680-00 | (US)...LABEL, CAUTION, SUB, NEW UL |
| 61 | 3-703-044-26 | (US)...LABEL, CAUTION |
| 62 | 4-889-835-00 | SLIDER (A) |
| 63 | 9-911-863-XX | SPACER |

ACCESSORY & PACKING MATERIAL

| No. | Part No. | Description |
|-----|--------------|-------------------------------------|
| 101 | 3-701-630-00 | BAG, POLYETHYLENE |
| 102 | 3-703-390-00 | (US)... INSTRUCTION, IMPORTANT |
| 103 | 3-773-497-11 | (AEP,UK,E)...MANUAL, INSTRUCTION |
| 104 | 3-773-497-21 | (US).....MANUAL, INSTRUCTION |
| 105 | 3-773-497-41 | (AEP,G-AEP)...MANUAL, INSTRUCTION F |
| 106 | 4-858-078-00 | SHEET, PROTECTION |
| 107 | 4-885-931-00 | CUSHION, RIGHT |
| 108 | 4-885-932-00 | CUSHION, LEFT |
| 109 | 4-885-933-00 | CUSHION, UPPER |
| 110 | 4-889-831-00 | CARTON |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|----------------|-----------------------------------|
| 501 | ♣;1-508-810-00 | 14MM BASE POST |
| 502 | ♣;1-508-811-00 | BASE POST (14MM) 4P |
| 503 | ♣;1-526-565-00 | (E1)...ADAPTOR, AC PLUG |
| 504 | 1-533-131-00 | HOLDER, FUSE |
| 505 | ♣;1-535-115-00 | TERMINAL |
| 506 | ♣;1-535-116-00 | TERMINAL |
| 507 | ♣;1-535-117-00 | TERMINAL |
| 508 | ♣;1-535-119-00 | TERMINAL |
| 509 | ♣;1-535-121-00 | TERMINAL |
| 510 | ♣;1-535-139-00 | BASE POST 19MM (10MM PITCH) |
| 511 | ♣;1-535-141-00 | BASE POST 19MM (10MM PITCH) |
| 512 | ♣;1-535-416-00 | TERMINAL |
| 513 | 1-554-549-00 | SWITCH, PUSH S1 (CARTRIDGE) DRIVE |
| 514 | ♣;1-560-063-00 | PIN, CONNECTOR 5P |
| 515 | ♣;1-560-063-21 | PIN, CONNECTOR 5P |
| 516 | ♣;1-560-063-31 | PIN, CONNECTOR 5P |
| 517 | ♣;1-562-249-00 | SOCKET, CONNECTOR 4P |
| 518 | ♣;1-562-250-00 | SOCKET, CONNECTOR 5P |
| 519 | ♣;1-562-327-00 | SOCKET, CONNECTOR 3P |
| 520 | ♣;1-562-328-00 | SOCKET, CONNECTOR 7P |
| 521 | ♣;1-607-763-00 | (G-AEP)...PC BOARD, OUT PUT |
| 522 | ♣;1-610-682-00 | PC BOARD, INPUT |
| 523 | ♣;1-610-683-00 | PC BOARD, HEADPHONE |
| 524 | ♣;1-610-684-00 | PC BOARD, GR |
| 525 | ♣;1-610-685-00 | PC BOARD, VR |
| 526 | ♣;1-610-686-00 | PC BOARD, AUX |
| 527 | ♣;1-610-687-00 | PC BOARD, AC SWITCH |
| 528 | ♣;1-610-688-00 | PC BOARD, STOPPER |
| 529 | ♣;1-610-689-00 | PC BOARD, FUNCTION |
| 530 | ♣;1-610-690-00 | PC BOARD, MONITOR |
| 531 | ♣;1-610-691-00 | PC BOARD, LED |
| 532 | ♣;A-4388-353-A | (US).....MOUNTED PCB, MAIN |
| 532 | ♣;A-4388-354-A | (AEP,UK,E)...MOUNTED PCB, MAIN |
| 532 | ♣;A-4388-355-A | (G-AEP).....MOUNTED PCB, MAIN |
| C01 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C02 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C03 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C04 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C05 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C06 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C07 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C08 | 1-161-494-00 | CERAMIC 0.022MF 30% 25V |
| C09 | 1-161-271-00 | CERAMIC 100PF 5% 50V |
| C10 | 1-161-494-00 | (G-AEP)...CERAMIC 0.022MF 30% 25V |
| C51 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C52 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|--------------|-----------------------------------|
| C53 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C54 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C55 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C56 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C57 | 1-161-317-00 | (G-AEP)...CERAMIC 330PF 10% 50V |
| C59 | 1-161-271-00 | CERAMIC 100PF 5% 50V |
| C101 | 1-161-317-00 | CERAMIC 330PF 10% 50V |
| C102 | 1-123-356-00 | ELECT 10MF 20% 25V |
| C103 | 1-161-326-00 | CERAMIC 0.0022MF 30% 50V |
| C104 | 1-123-300-00 | ELECT 2200MF 20% 6.3V |
| C105 | 1-130-765-00 | FILM 0.056MF 2% 100V |
| C106 | 1-130-764-00 | FILM 0.016MF 2% 100V |
| C107 | 1-123-328-00 | ELECT 4.7MF 20% 25V |
| C108 | 1-123-307-00 | ELECT 100MF 20% 10V |
| C109 | 1-130-636-00 | FILM 0.22MF 5% 50V |
| C151 | 1-161-317-00 | CERAMIC 330PF 10% 50V |
| C152 | 1-123-356-00 | ELECT 10MF 20% 25V |
| C153 | 1-161-326-00 | CERAMIC 0.0022MF 30% 50V |
| C154 | 1-123-300-00 | ELECT 2200MF 20% 6.3V |
| C155 | 1-130-765-00 | FILM 0.056MF 2% 100V |
| C156 | 1-130-764-00 | FILM 0.016MF 2% 100V |
| C157 | 1-123-328-00 | ELECT 4.7MF 20% 25V |
| C158 | 1-123-307-00 | ELECT 100MF 20% 10V |
| C159 | 1-130-636-00 | FILM 0.22MF 5% 50V |
| C201 | 1-123-353-00 | ELECT 2.2MF 20% 50V |
| C202 | 1-124-182-00 | ELECT 1MF 20% 50V |
| C204 | 1-123-307-00 | ELECT 100MF 20% 10V |
| C205 | 1-161-494-00 | (G-AEP)...CERAMIC 0.022MF 30% 25V |
| C206 | 1-161-263-00 | (G-AEP)...CERAMIC 22PF 5% 50V |
| C251 | 1-123-353-00 | ELECT 2.2MF 20% 50V |
| C252 | 1-124-182-00 | ELECT 1MF 20% 50V |
| C256 | 1-161-263-00 | (G-AEP)...CERAMIC 22PF 5% 50V |
| C301 | 1-123-356-00 | ELECT 10MF 20% 25V |
| C302 | 1-161-268-00 | (G-AEP)...CERAMIC 56PF 5% 50V |
| C303 | 1-161-319-00 | CERAMIC 470PF 10% 50V |
| C304 | 1-123-296-00 | ELECT 220MF 20% 6.3V |
| C305 | 1-161-257-00 | CERAMIC 6.8PF 10% 50V |
| C306 | 1-123-332-00 | ELECT 47MF 20% 25V |
| C307 | 1-123-332-00 | ELECT 47MF 20% 25V |
| C308 | 1-123-902-00 | ELECT 0.68MF 20% 50V |
| C309 | 1-108-599-00 | MYLAR 0.068MF 5% 50V |
| C310 | 1-108-599-00 | MYLAR 0.068MF 5% 50V |
| C311 | 1-161-327-00 | CERAMIC 0.0033MF 30% 50V |
| C312 | 1-161-328-00 | CERAMIC 0.0047MF 30% 50V |
| C313 | 1-107-279-91 | MICA 10PF 0.5PF 100V |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "♣" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

All resistors are in ohms.

F: nonflammable

COILS

MMH: mH, UH: μH

SEMICONDUCTORS

In each case, U: μ, for example:

UA...: μA..., UPA...: μPA..., UPC...: μPC,

UPD...: μPD...

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

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|--------------------------|----------|-------|------|
| C314 | 1-123-294-00 | ELECT | 47MF | 20% | 6.3V |
| C315 | 1-161-272-00 | CERAMIC | 120PF | 5% | 50V |
| C316 | 1-108-599-00 | (AEP,G-AEP,UK,E)...MYLAR | 0.068MF | 5% | 50V |
| C317 | 1-108-591-00 | (US).....FILM | 0.033MF | 5% | 50V |
| C317 | 1-108-599-00 | (AEP,G-AEP,UK,E)...MYLAR | 0.068MF | 5% | 50V |
| C318 | 1-161-265-00 | (US,AEP,UK,E)..CERAMIC | 33PF | 5% | 50V |
| C318 | 1-161-268-00 | (G-AEP)...CERAMIC | 56PF | 5% | 50V |
| C320 | 1-161-494-00 | (G-AEP)...CERAMIC | 0.022MF | 30% | 25V |
| C321 | 1-161-271-00 | (G-AEP)...CERAMIC | 100PF | 5% | 50V |
| C351 | 1-123-356-00 | ELECT | 10MF | 20% | 25V |
| C352 | 1-161-268-00 | (G-AEP)...CERAMIC | 56PF | 5% | 50V |
| C353 | 1-161-319-00 | CERAMIC | 470PF | 10% | 50V |
| C354 | 1-123-296-00 | ELECT | 220MF | 20% | 6.3V |
| C355 | 1-161-257-00 | CERAMIC | 6.8PF | 10% | 50V |
| C356 | 1-123-332-00 | ELECT | 47MF | 20% | 25V |
| C357 | 1-123-332-00 | ELECT | 47MF | 20% | 25V |
| C358 | 1-123-902-00 | ELECT | 0.68MF | 20% | 50V |
| C359 | 1-108-599-00 | MYLAR | 0.068MF | 5% | 50V |
| C360 | 1-108-599-00 | MYLAR | 0.068MF | 5% | 50V |
| C361 | 1-161-327-00 | CERAMIC | 0.0033MF | 30% | 50V |
| C362 | 1-161-328-00 | CERAMIC | 0.0047MF | 30% | 50V |
| C363 | 1-107-279-91 | MICA | 10PF | 0.5PF | 100V |
| C364 | 1-123-294-00 | ELECT | 47MF | 20% | 6.3V |
| C365 | 1-161-272-00 | CERAMIC | 120PF | 5% | 50V |
| C366 | 1-108-599-00 | (AEP,G-AEP,UK,E)...MYLAR | 0.068MF | 5% | 50V |
| C367 | 1-108-591-00 | (US).....FILM | 0.033MF | 5% | 50V |
| C367 | 1-108-599-00 | (AEP,G-AEP,UK,E)...MYLAR | 0.068MF | 5% | 50V |
| C368 | 1-161-265-00 | (US,AEP,UK,E)..CERAMIC | 33PF | 5% | 50V |
| C368 | 1-161-268-00 | (G-AEP)...CERAMIC | 56PF | 5% | 50V |
| C370 | 1-161-494-00 | (G-AEP)...CERAMIC | 0.022MF | 30% | 25V |
| C371 | 1-161-271-00 | (G-AEP)...CERAMIC | 100PF | 5% | 50V |
| C401 | 1-102-394-00 | CERAMIC | 0.01X2 | | 250V |
| C402 | 1-125-346-00 | ELECT(BLOCK) | 15000MF | 99% | 56V |
| C403 | 1-125-346-00 | ELECT(BLOCK) | 15000MF | 99% | 56V |
| C404 | 1-161-271-00 | CERAMIC | 100PF | 5% | 50V |
| C405 | 1-123-306-00 | ELECT | 47MF | 20% | 10V |
| C406 | 1-161-271-00 | CERAMIC | 100PF | 5% | 50V |
| C407 | 1-123-323-00 | ELECT | 470MF | 20% | 16V |
| C408 | 1-123-323-00 | ELECT | 470MF | 20% | 16V |
| C409 | 1-123-360-00 | ELECT | 100MF | 20% | 50V |
| C410 | 1-123-360-00 | ELECT | 100MF | 20% | 50V |
| C501 | 1-123-382-00 | ELECT | 3.3MF | 20% | 63V |
| C502 | 1-108-567-00 | MYLAR | 0.0033MF | 5% | 50V |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|---------------------------------------|---------|-----|------|
| C503 | 1-123-296-00 | ELECT | 220MF | 20% | 6.3V |
| C504 | 1-123-296-00 | ELECT | 220MF | 20% | 6.3V |
| C601 | 1-123-311-00 | ELECT | 1000MF | 20% | 10V |
| C701 | 1-161-494-00 | CERAMIC | 0.022MF | 30% | 25V |
| C751 | 1-161-494-00 | (G-AEP)...CERAMIC | 0.022MF | 30% | 25V |
| C801 | 1-161-330-00 | (G-AEP)...CERAMIC | 0.01MF | 30% | 25V |
| C802 | 1-161-330-00 | (G-AEP)...CERAMIC | 0.01MF | 30% | 25V |
| C803 | 1-161-330-00 | (G-AEP)...CERAMIC | 0.01MF | 30% | 25V |
| C804 | 1-161-330-00 | (G-AEP)...CERAMIC | 0.01MF | 30% | 25V |
| C851 | 1-161-330-00 | (G-AEP)...CERAMIC | 0.01MF | 30% | 25V |
| C852 | 1-161-330-00 | (G-AEP)...CERAMIC | 0.01MF | 30% | 25V |
| C853 | 1-161-330-00 | (G-AEP)...CERAMIC | 0.01MF | 30% | 25V |
| C854 | 1-161-330-00 | (G-AEP)...CERAMIC | 0.01MF | 30% | 25V |
| C901 | 1-161-744-00 | (AEP,G-AEP,UK,E)...CERAMIC | 0.01MF | | 400V |
| C901 | 1-161-749-00 | (US).....FILM | 0.01MF | | 125V |
| C902 | 1-161-744-00 | (AEP,G-AEP,UK,E)...CERAMIC | 0.01MF | | 400V |
| CNJ1 | 1-526-574-00 | (US,E).....OUTLET, AC | | | |
| CNJ1 | 1-526-694-00 | (AEP,G-AEP)....OUTLET, AC | | | |
| CNJ101 | 1-507-741-21 | JACK, PIN 6P | | | |
| CNJ102 | 1-507-741-21 | JACK, PIN 6P | | | |
| CNJ103 | 1-507-741-21 | JACK, PIN 6P | | | |
| CNJ104 | 1-507-740-00 | JACK, PIN 4P | | | |
| CNJ105 | 1-507-740-00 | JACK, PIN 4P | | | |
| CNJ106 | 1-507-740-00 | JACK, PIN 4P | | | |
| CNJ107 | 1-507-740-00 | JACK, PIN 4P | | | |
| CNJ108 | 1-507-887-00 | JACK, PIN 6P | | | |
| CNJ109 | 1-507-887-00 | JACK, PIN 6P | | | |
| CNJ110 | 1-507-887-00 | JACK, PIN 6P | | | |
| CNJ151 | 1-507-741-21 | JACK, PIN 6P | | | |
| CNJ152 | 1-507-741-21 | JACK, PIN 6P | | | |
| CNJ153 | 1-507-741-21 | JACK, PIN 6P | | | |
| CNJ154 | 1-507-740-00 | JACK, PIN 4P | | | |
| CNJ155 | 1-507-740-00 | JACK, PIN 4P | | | |
| CNJ156 | 1-507-740-00 | JACK, PIN 4P | | | |
| CNJ157 | 1-507-740-00 | JACK, PIN 4P | | | |
| CNJ158 | 1-507-887-00 | JACK, PIN 6P | | | |
| CNJ159 | 1-507-887-00 | JACK, PIN 6P | | | |
| CNJ160 | 1-507-887-00 | JACK, PIN 6P | | | |
| CPI | 1-534-817-XX | (AEP,G-AEP)....CORD, POWER, EULO PLUG | | | |
| CPI | 1-551-472-00 | (E).....CORD, POWER | | | |
| CPI | 1-551-628-00 | (US).....CORD, POWER | | | |
| CPI | 1-551-884-00 | (UK).....CORD, POWER | | | |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

- All resistors are in ohms.
- F : nonflammable

COILS

MMH : mH, UH : μH

SEMICONDUCTORS

In each case, U : μ, for example:

UA.... : μA...., UPA.... : μPA...., UPC.... : μPC, UPD.... : μPD....

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

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|----------------|--|
| D101 | 8-719-910-74 | DIODE HZ7B1L |
| D151 | 8-719-910-74 | DIODE HZ7B1L |
| D201 | 8-719-107-57 | DIODE 1S953-7 |
| D251 | 8-719-107-57 | DIODE 1S953-7 |
| D301 | 8-719-107-57 | DIODE 1S953-7 |
| D302 | 8-719-910-62 | DIODE HZ6A2L |
| D303 | 8-719-107-57 | DIODE 1S953-7 |
| D304 | 8-719-107-57 | DIODE 1S953-7 |
| D351 | 8-719-107-57 | DIODE 1S953-7 |
| D352 | 8-719-910-62 | DIODE HZ6A2L |
| D353 | 8-719-107-57 | DIODE 1S953-7 |
| D354 | 8-719-107-57 | DIODE 1S953-7 |
| D401 | △ 8-719-230-24 | DIODE 30DL4 |
| D402 | △ 8-719-230-24 | DIODE 30DL4 |
| D403 | △ 8-719-230-24 | DIODE 30DL4 |
| D404 | △ 8-719-230-24 | DIODE 30DL4 |
| D405 | 8-719-910-74 | DIODE HZ7B1L |
| D501 | 8-719-200-02 | DIODE 10E-2 |
| D502 | 8-719-910-62 | DIODE HZ6A2L |
| D503 | 8-719-107-57 | DIODE 1S953-7 |
| D504 | 8-719-107-57 | (AEP)... DIODE 1S953-7 |
| D601 | 8-719-907-92 | DIODE GL-5EG521-B |
| D602 | 8-719-907-92 | DIODE GL-5EG521-B |
| D603 | 8-719-907-92 | DIODE GL-5EG521-B |
| D604 | 8-719-907-92 | DIODE GL-5EG521-B |
| D605 | 8-719-907-92 | DIODE GL-5EG521-B |
| D606 | 8-719-907-92 | DIODE GL-5EG521-B |
| D607 | 8-719-907-92 | DIODE GL-5EG521-B |
| D608 | 8-719-907-92 | DIODE GL-5EG521-B |
| D609 | 8-719-906-58 | DIODE GL-5HD21 |
| D610 | 8-719-200-02 | DIODE 10E-2 |
| F1 | △ 1-532-237-00 | (E)... FUSE, TIME-LAG 3.15A |
| F1 | △ 1-532-286-00 | (AEP,G-AEP)... FUSE, TIME-LAG 2.5A C |
| F1 | △ 1-532-509-00 | (US)... FUSE, GALSS TUBE 6.3A |
| F2 | △ 1-532-237-00 | (AEP,G-AEP,UK,E)... FUSE, TIME-LAG 3.15A B |
| IC101 | 8-759-935-58 | IC TL4558P-B C |
| IC201 | 8-759-900-72 | IC NE5532P E |
| IC202 | 8-759-990-82 | IC TL082CP G |
| IC251 | 8-759-900-72 | IC NE5532P |
| J101 | 1-507-729-00 | JACK, LARGE TYPE, AUX |
| J701 | 1-507-669-00 | JACK, HEADPHONE |
| L01 | 1-413-101-00 | (G-AEP)...COIL, INPUT, 220MH |
| L51 | 1-413-101-00 | (G-AEP)...COIL, INPUT, 220MH |
| L101 | 1-407-519-00 | (AEP,UK,US,E)...INDUCTOR, 8MH |
| L101 | 1-413-101-00 | (G-AEP)...COIL, INPUT, 220MH |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|----------------|-------------------------------|
| L151 | 1-407-519-00 | (AEP,UK,US,E)...INDUCTOR, 8MH |
| L151 | 1-413-101-00 | (G-AEP)...COIL, INPUT, 220MH |
| L701 | ♣;1-420-872-00 | COIL, AIR CORE, 1.2MH |
| L751 | ♣;1-420-872-00 | COIL, AIR CORE, 1.2MH |
| PL601 | 1-518-538-00 | LAMP, PILOT B |
| PS601 | 1-532-675-00 | (AEP,G-AEP,UK,E)...LINK, IC |
| Q101 | 8-729-354-52 | TRANSISTOR 2SC2545 |
| Q102 | 8-729-354-52 | TRANSISTOR 2SC2545 |
| Q151 | 8-729-354-52 | TRANSISTOR 2SC2545 |
| Q152 | 8-729-354-52 | TRANSISTOR 2SC2545 |
| Q301 | 8-729-697-92 | TRANSISTOR 2SA979 |
| Q302 | 8-729-281-53 | TRANSISTOR 2SC1815-GR |
| Q303 | 8-729-281-53 | TRANSISTOR 2SC1815-GR |
| Q304 | 8-729-114-22 | TRANSISTOR 2SA1142 |
| Q305 | 8-729-180-93 | TRANSISTOR 2SD809 |
| Q306 | 8-729-168-22 | TRANSISTOR 2SC2682 |
| Q307 | 8-729-663-47 | TRANSISTOR 2SC1364 |
| Q308 | 8-729-602-67 | TRANSISTOR 2SA1026-7 |
| Q309 | 8-729-102-39 | TRANSISTOR 2SC2690A-Q |
| Q310 | 8-729-122-02 | TRANSISTOR 2SA1220A |
| Q311 | 8-729-201-97 | TRANSISTOR 2SC3182 |
| Q312 | 8-729-201-89 | TRANSISTOR 2SA1265 |
| Q351 | 8-729-697-92 | TRANSISTOR 2SA979 |
| Q352 | 8-729-281-53 | TRANSISTOR 2SC1815-GR |
| Q353 | 8-729-281-53 | TRANSISTOR 2SC1815-GR |
| Q354 | 8-729-114-22 | TRANSISTOR 2SA1142 |
| Q355 | 8-729-180-93 | TRANSISTOR 2SD809 |
| Q356 | 8-729-168-22 | TRANSISTOR 2SC2682 |
| Q357 | 8-729-663-47 | TRANSISTOR 2SC1364 |
| Q358 | 8-729-602-67 | TRANSISTOR 2SA1026-7 |
| Q359 | 8-729-102-39 | TRANSISTOR 2SC2690A-Q |
| Q360 | 8-729-122-02 | TRANSISTOR 2SA1220A |
| Q361 | 8-729-201-97 | TRANSISTOR 2SC3182 |
| Q362 | 8-729-201-89 | TRANSISTOR 2SA1265 |
| Q401 | 8-729-180-93 | TRANSISTOR 2SD809 |
| Q402 | 8-729-281-53 | TRANSISTOR 2SC1815-GR |
| Q403 | 8-729-224-61 | TRANSISTOR 2SK246 |
| Q404 | 8-729-281-53 | TRANSISTOR 2SC1815-GR |
| Q405 | 8-729-201-52 | TRANSISTOR 2SA1015 |
| Q406 | 8-729-224-61 | TRANSISTOR 2SK246 |
| Q407 | 8-729-201-52 | TRANSISTOR 2SA1015 |
| Q408 | 8-729-173-13 | TRANSISTOR 2SB731 |
| Q501 | 8-729-663-47 | TRANSISTOR 2SC1364 |
| Q502 | 8-729-602-67 | TRANSISTOR 2SA1026-7 |
| Q503 | 8-729-281-53 | TRANSISTOR 2SC1815-GR |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "♣" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (△-△△△-△△△-XX or △-△△△△-△△△-X) may be different from those used in the set.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

• All resistors are in ohms.

• F : nonflammable

COILS

• MMH : mH, UH : μH

SEMICONDUCTORS

In each case, U : μ, for example:

UA...: μA..., UPA...: μPA..., UPC...: μPC,

UPD...: μPD...

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

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | | |
|---------|--------------|-----------------------|-----|------|------|--|
| Q504 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | | | | |
| Q505 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | | | | |
| Q506 | 8-729-281-53 | TRANSISTOR 2SC1815-GR | | | | |
| Q507 | 8-729-201-52 | TRANSISTOR 2SA1015 | | | | |
| Q557 | 8-729-201-52 | TRANSISTOR 2SA1015 | | | | |
| R01 | 1-246-461-00 | (G-AEP)...CARBON | 330 | 5% | 1/4W | |
| R02 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R03 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R04 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R05 | 1-246-489-00 | CARBON 4.7K | 5% | 1/4W | | |
| R06 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R07 | 1-246-489-00 | CARBON 4.7K | 5% | 1/4W | | |
| R08 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R09 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R10 | 1-246-489-00 | CARBON 4.7K | 5% | 1/4W | | |
| R11 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R12 | 1-246-465-00 | CARBON 470 | 5% | 1/4W | | |
| R13 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R14 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R15 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R16 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R17 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R18 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R51 | 1-246-461-00 | (G-AEP)...CARBON | 330 | 5% | 1/4W | |
| R52 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R53 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R54 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R55 | 1-246-489-00 | CARBON 4.7K | 5% | 1/4W | | |
| R56 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R57 | 1-246-489-00 | CARBON 4.7K | 5% | 1/4W | | |
| R58 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R59 | 1-246-465-00 | (G-AEP)...CARBON | 470 | 5% | 1/4W | |
| R61 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R62 | 1-246-465-00 | CARBON 470 | 5% | 1/4W | | |
| R63 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R64 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R65 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R66 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R67 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R68 | 1-246-545-00 | CARBON 1M | 5% | 1/4W | | |
| R101 | 1-246-461-00 | CARBON 330 | 5% | 1/4W | | |
| R102 | 1-246-521-00 | CARBON 100K | 5% | 1/4W | | |
| R103 | 1-246-449-00 | CARBON 100 | 5% | 1/4W | | |
| R104 | 1-246-421-00 | CARBON 6.8 | 5% | 1/4W | | |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | | |
|---------|--------------|-------------|----|------|--|--|
| R105 | 1-246-457-00 | CARBON 220 | 5% | 1/4W | | |
| R106 | 1-246-521-00 | CARBON 100K | 5% | 1/4W | | |
| R107 | 1-246-473-00 | CARBON 1K | 5% | 1/4W | | |
| R108 | 1-246-473-00 | CARBON 1K | 5% | 1/4W | | |
| R109 | 1-246-453-00 | CARBON 150 | 5% | 1/4W | | |
| R110 | 1-246-497-00 | CARBON 10K | 5% | 1/4W | | |
| R111 | 1-246-449-00 | CARBON 100 | 5% | 1/4W | | |
| R112 | 1-246-488-00 | CARBON 4.3K | 5% | 1/4W | | |
| R113 | 1-214-771-00 | METAL 56K | 1% | 1/4W | | |
| R114 | 1-214-745-00 | METAL 4.7K | 1% | 1/4W | | |
| R115 | 1-246-521-00 | CARBON 100K | 5% | 1/4W | | |
| R116 | 1-246-457-00 | CARBON 220 | 5% | 1/4W | | |
| R151 | 1-246-461-00 | CARBON 330 | 5% | 1/4W | | |
| R152 | 1-246-521-00 | CARBON 100K | 5% | 1/4W | | |
| R153 | 1-246-449-00 | CARBON 100 | 5% | 1/4W | | |
| R154 | 1-246-421-00 | CARBON 6.8 | 5% | 1/4W | | |
| R155 | 1-246-457-00 | CARBON 220 | 5% | 1/4W | | |
| R156 | 1-246-521-00 | CARBON 100K | 5% | 1/4W | | |
| R157 | 1-246-473-00 | CARBON 1K | 5% | 1/4W | | |
| R158 | 1-246-473-00 | CARBON 1K | 5% | 1/4W | | |
| R159 | 1-246-453-00 | CARBON 150 | 5% | 1/4W | | |
| R160 | 1-246-497-00 | CARBON 10K | 5% | 1/4W | | |
| R161 | 1-246-449-00 | CARBON 100 | 5% | 1/4W | | |
| R162 | 1-246-488-00 | CARBON 4.3K | 5% | 1/4W | | |
| R163 | 1-214-771-00 | METAL 56K | 1% | 1/4W | | |
| R164 | 1-214-745-00 | METAL 4.7K | 1% | 1/4W | | |
| R165 | 1-246-521-00 | CARBON 100K | 5% | 1/4W | | |
| R166 | 1-246-457-00 | CARBON 220 | 5% | 1/4W | | |
| R201 | 1-246-537-00 | CARBON 470K | 5% | 1/4W | | |
| R202 | 1-214-721-00 | METAL 470 | 1% | 1/4W | | |
| R203 | 1-214-733-00 | METAL 1.5K | 1% | 1/4W | | |
| R204 | 1-246-497-00 | CARBON 10K | 5% | 1/4W | | |
| R205 | 1-214-727-00 | METAL 820 | 1% | 1/4W | | |
| R206 | 1-214-727-00 | METAL 820 | 1% | 1/4W | | |
| R207 | 1-246-521-00 | CARBON 100K | 5% | 1/4W | | |
| R208 | 1-246-473-00 | CARBON 1K | 5% | 1/4W | | |
| R209 | 1-246-497-00 | CARBON 10K | 5% | 1/4W | | |
| R210 | 1-246-493-00 | CARBON 6.8K | 5% | 1/4W | | |
| R211 | 1-214-733-00 | METAL 1.5K | 1% | 1/4W | | |
| R251 | 1-246-537-00 | CARBON 470K | 5% | 1/4W | | |
| R252 | 1-214-721-00 | METAL 470 | 1% | 1/4W | | |
| R253 | 1-214-733-00 | METAL 1.5K | 1% | 1/4W | | |
| R254 | 1-246-497-00 | CARBON 10K | 5% | 1/4W | | |
| R255 | 1-214-727-00 | METAL 820 | 1% | 1/4W | | |
| R256 | 1-214-727-00 | METAL 820 | 1% | 1/4W | | |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

• All resistors are in ohms.

• F : nonflammable

COILS

• MMH : mH, UH : μH

SEMICONDUCTORS

In each case, U : μ, for example:
 UA... : μA..., UPA... : μPA..., UPC... : μPC,
 UPD... : μPD...

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|----------------------|------|----|--------|
| R257 | 1-246-521-00 | CARBON | 100K | 5% | 1/4W |
| R258 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R259 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W |
| R260 | 1-246-493-00 | CARBON | 6.8K | 5% | 1/4W |
| R261 | 1-214-733-00 | METAL | 1.5K | 1% | 1/4W |
| R301 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R302 | 1-246-517-00 | CARBON | 68K | 5% | 1/4W |
| R303 | 1-246-493-00 | CARBON | 6.8K | 5% | 1/4W |
| R304 | 1-246-472-00 | CARBON | 910 | 5% | 1/4W |
| R305 | 1-247-115-00 | CARBON | 220 | 5% | 1/4W F |
| R306 | 1-247-115-00 | CARBON | 220 | 5% | 1/4W F |
| R307 | 1-246-483-00 | CARBON | 2.7K | 5% | 1/4W |
| R308 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R309 | 1-246-516-00 | CARBON | 62K | 5% | 1/4W |
| R310 | 1-246-469-00 | CARBON | 680 | 5% | 1/4W |
| R311 | 1-246-491-00 | CARBON | 5.6K | 5% | 1/4W |
| R312 | 1-246-459-00 | CARBON | 270 | 5% | 1/4W |
| R313 | 1-246-485-00 | CARBON | 3.3K | 5% | 1/4W |
| R314 | 1-247-107-00 | CARBON | 100 | 5% | 1/4W F |
| R315 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R316 | 1-246-467-00 | CARBON | 560 | 5% | 1/4W |
| R317 | 1-247-105-00 | CARBON | 82 | 5% | 1/4W F |
| R318 | 1-247-107-00 | CARBON | 100 | 5% | 1/4W F |
| R319 | 1-246-502-00 | CARBON | 16K | 5% | 1/4W |
| R320 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R321 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R322 | 1-247-107-00 | CARBON | 100 | 5% | 1/4W F |
| R323 | 1-247-107-00 | CARBON | 100 | 5% | 1/4W F |
| R324 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R325 | 1-247-143-00 | CARBON | 3.3K | 5% | 1/4W F |
| R326 | 1-247-131-00 | CARBON | 1K | 5% | 1/4W F |
| R327 | 1-247-131-00 | CARBON | 1K | 5% | 1/4W F |
| R328 | 1-247-138-00 | CARBON | 2K | 5% | 1/4W F |
| R329 | 1-247-079-00 | CARBON | 4.7 | 5% | 1/4W F |
| R330 | 1-247-079-00 | CARBON | 4.7 | 5% | 1/4W F |
| R331 | 1-217-611-00 | RES, METAL PLATE 0.1 | | 2W | |
| R332 | 1-217-611-00 | RES, METAL PLATE 0.1 | | 2W | |
| R333 | 1-247-123-00 | CARBON | 470 | 5% | 1/4W F |
| R334 | 1-246-517-00 | CARBON | 68K | 5% | 1/4W |
| R335 | 1-246-513-00 | CARBON | 47K | 5% | 1/4W |
| R336 | 1-247-192-00 | CARBON | 10 | 5% | 1/2W F |
| R337 | 1-247-228-00 | CARBON | 330 | 5% | 1/2W F |
| R338 | 1-246-545-00 | CARBON | 1M | 5% | 1/4W |
| R351 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R352 | 1-246-517-00 | CARBON | 68K | 5% | 1/4W |
| R353 | 1-246-493-00 | CARBON | 6.8K | 5% | 1/4W |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|----------------------|------|----|--------|
| R354 | 1-246-472-00 | CARBON | 910 | 5% | 1/4W |
| R355 | 1-247-115-00 | CARBON | 220 | 5% | 1/4W F |
| R356 | 1-247-115-00 | CARBON | 220 | 5% | 1/4W F |
| R357 | 1-246-483-00 | CARBON | 2.7K | 5% | 1/4W |
| R358 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R359 | 1-246-516-00 | CARBON | 62K | 5% | 1/4W |
| R360 | 1-246-469-00 | CARBON | 680 | 5% | 1/4W |
| R361 | 1-246-491-00 | CARBON | 5.6K | 5% | 1/4W |
| R362 | 1-246-459-00 | CARBON | 270 | 5% | 1/4W |
| R363 | 1-246-485-00 | CARBON | 3.3K | 5% | 1/4W |
| R364 | 1-247-107-00 | CARBON | 100 | 5% | 1/4W F |
| R365 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R366 | 1-246-467-00 | CARBON | 560 | 5% | 1/4W |
| R367 | 1-247-105-00 | CARBON | 82 | 5% | 1/4W F |
| R368 | 1-247-107-00 | CARBON | 100 | 5% | 1/4W F |
| R369 | 1-246-502-00 | CARBON | 16K | 5% | 1/4W |
| R370 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R371 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R372 | 1-247-107-00 | CARBON | 100 | 5% | 1/4W F |
| R373 | 1-247-107-00 | CARBON | 100 | 5% | 1/4W F |
| R374 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R375 | 1-247-143-00 | CARBON | 3.3K | 5% | 1/4W F |
| R376 | 1-247-131-00 | CARBON | 1K | 5% | 1/4W F |
| R377 | 1-247-131-00 | CARBON | 1K | 5% | 1/4W F |
| R378 | 1-247-138-00 | CARBON | 2K | 5% | 1/4W F |
| R379 | 1-247-079-00 | CARBON | 4.7 | 5% | 1/4W F |
| R380 | 1-247-079-00 | CARBON | 4.7 | 5% | 1/4W F |
| R381 | 1-217-611-00 | RES, METAL PLATE 0.1 | | | |
| R382 | 1-217-611-00 | RES, METAL PLATE 0.1 | | | |
| R383 | 1-247-123-00 | CARBON | 470 | 5% | 1/4W F |
| R384 | 1-246-517-00 | CARBON | 68K | 5% | 1/4W |
| R385 | 1-246-513-00 | CARBON | 47K | 5% | 1/4W |
| R386 | 1-247-192-00 | CARBON | 10 | 5% | 1/2W F |
| R387 | 1-247-228-00 | CARBON | 330 | 5% | 1/2W F |
| R388 | 1-246-545-00 | CARBON | 1M | 5% | 1/4W |
| R401 | 1-206-717-00 | METAL OXIDE | 470 | 5% | 3W F |
| R402 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R403 | 1-246-494-00 | CARBON | 7.5K | 5% | 1/4W |
| R404 | 1-246-494-00 | CARBON | 7.5K | 5% | 1/4W |
| R405 | 1-246-494-00 | CARBON | 7.5K | 5% | 1/4W |
| R406 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R407 | 1-246-500-00 | CARBON | 13K | 5% | 1/4W |
| R408 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R409 | 1-206-717-00 | METAL OXIDE | 470 | 5% | 3W F |
| R501 | 1-247-079-00 | CARBON | 4.7 | 5% | 1/4W F |
| R502 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

All resistors are in ohms.

F : nonflammable

COILS

MMH : mH, UH : μH

SEMICONDUCTORS

In each case, U : μ, for example:

UA...: μA..., UPA...: μPA..., UPC...: μPC,

UPD...: μPD...

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

TA-AX500

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | | |
|---------|----------------|--|------|----|------|---|
| R503 | 1-246-477-00 | CARBON | 1.5K | 5% | 1/4W | |
| R504 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W | |
| R505 | 1-246-529-00 | CARBON | 220K | 5% | 1/4W | |
| R506 | 1-246-521-00 | CARBON | 100K | 5% | 1/4W | |
| R507 | 1-246-544-00 | CARBON | 910K | 5% | 1/4W | |
| R508 | 1-246-521-00 | CARBON | 100K | 5% | 1/4W | |
| R509 | Δ-1-206-662-00 | METAL OXIDE | 820 | 5% | 2W | F |
| R601 | 1-246-458-00 | CARBON | 240 | 5% | 1/4W | |
| R602 | 1-246-458-00 | CARBON | 240 | 5% | 1/4W | |
| R603 | 1-246-458-00 | CARBON | 240 | 5% | 1/4W | |
| R604 | 1-246-466-00 | CARBON | 510 | 5% | 1/4W | |
| R701 | 1-244-817-00 | CARBON | 4.7 | 5% | 1/2W | |
| R702 | 1-213-139-00 | METAL OXIDE | 470 | 5% | 1W | F |
| R751 | 1-244-817-00 | CARBON | 4.7 | 5% | 1/2W | |
| R752 | 1-213-139-00 | METAL OXIDE | 470 | 5% | 1W | F |
| R801 | 1-244-825-00 | (G-AEP)...CARBON | 10 | 5% | 1/2W | |
| R802 | 1-244-825-00 | (G-AEP)...CARBON | 10 | 5% | 1/2W | |
| R851 | 1-244-825-00 | (G-AEP)...CARBON | 10 | 5% | 1/2W | |
| R852 | 1-244-825-00 | (G-AEP)...CARBON | 10 | 5% | 1/2W | |
| RT201 | 1-226-233-00 | RES, ADJ, CARBON 1K | | | | |
| RT251 | 1-226-233-00 | RES, ADJ, CARBON 1K | | | | |
| RT301 | 1-226-232-00 | RES, ADJ, CARBON 500 | | | | |
| RT351 | 1-226-232-00 | RES, ADJ, CARBON 500 | | | | |
| RV201 | 1-230-131-00 | RES, VAR, CARBON 50K/50K, BALANCE/L | | | | |
| RV202 | 1-230-130-00 | RES, VAR, CARBON 10K/10K, ATTENUATOR/L | | | | |
| RV251 | 1-230-131-00 | RES, VAR, CARBON 50K/50K, BALANCE/R | | | | |
| RV252 | 1-230-130-00 | RES, VAR, CARBON 10K/10K ATTENUATOR/R | | | | |
| RV301 | 1-230-132-00 | RES, VAR, CARBON 24.5K/24.5K, BASS/L | | | | |
| RV302 | 1-230-133-00 | RES, VAR, CARBON 37.2K/37.2K, TREBLE/L | | | | |
| RV351 | 1-230-132-00 | RES, VAR, CARBON 24.5K/24.5K, BASS/R | | | | |
| RV352 | 1-230-133-00 | RES, VAR, CARBON 37.2K/37.2K, TREBLE/R | | | | |
| RY701 | 1-515-501-00 | RELAY | | | | |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|----------------|---|
| S1 | 1-553-780-00 | SWITCH, SLIDE (REMOTE), CARTRIDGE |
| S2 | 1-554-543-00 | SWITCH, PUSH (5 KEY), PHONE |
| S3 | 1-554-543-00 | SWITCH, PUSH (5 KEY), TUNER |
| S4 | 1-554-543-00 | SWITCH, PUSH (5 KEY), CD |
| S5 | 1-554-543-00 | SWITCH, PUSH (5 KEY), AUX |
| S6 | 1-554-543-00 | SWITCH, PUSH (5 KEY), TAPE |
| S7 | 1-554-550-00 | SWITCH, PUSH (REMOTE), CD DIRECT |
| S7 | 1-554-551-00 | SWITCH, SLIDE (REMOTE), CD DIRECT |
| S8 | 1-554-547-00 | SWITCH, PUSH, MONITOR |
| S9 | 1-554-548-00 | SWITCH, PUSH, TAPE COPY 1-2 |
| S10 | 1-554-546-00 | SWITCH, ROTARY SLIDE, SPEAKERS |
| S11 | 1-554-544-00 | SWITCH, PUSH (2 KEY), GRAPHIC EQUALIZER |
| S12 | 1-554-544-00 | SWITCH, PUSH (2 KEY), SUBSONIC |
| S13 | Δ-1-552-141-00 | (AEP, G-AEP, UK, E)...SWITCH, PUSH, POWER |
| S13 | Δ-1-552-246-00 | (US)...SWITCH, PUSH, POWER |
| S14 | Δ-1-526-576-31 | (E)...SELECTOR, POWER VOLTAGE |
| T1 | Δ-1-447-627-00 | (US)...TRANSFORMER, POWER |
| T1 | Δ-1-447-628-00 | (AEP, G-AEP, UK)...TRANSFORMER, POWER |
| T1 | Δ-1-447-629-00 | (E)...TRANSFORMER, POWER |
| TM1 | 1-536-571-00 | TERMINAL BOARD, 4P |
| TM2 | 1-536-571-00 | TERMINAL BOARD, 4P |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "Δ" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

MF: μF, PF: μμF.

RESISTORS

All resistors are in ohms.

F: nonflammable

COILS

MMH: mH, UH: μH

SEMICONDUCTORS

In each case, U: μ, for example:

UA...: μA..., UPA...: μPA..., UPC...: μPC,

UPD...: μPD...

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