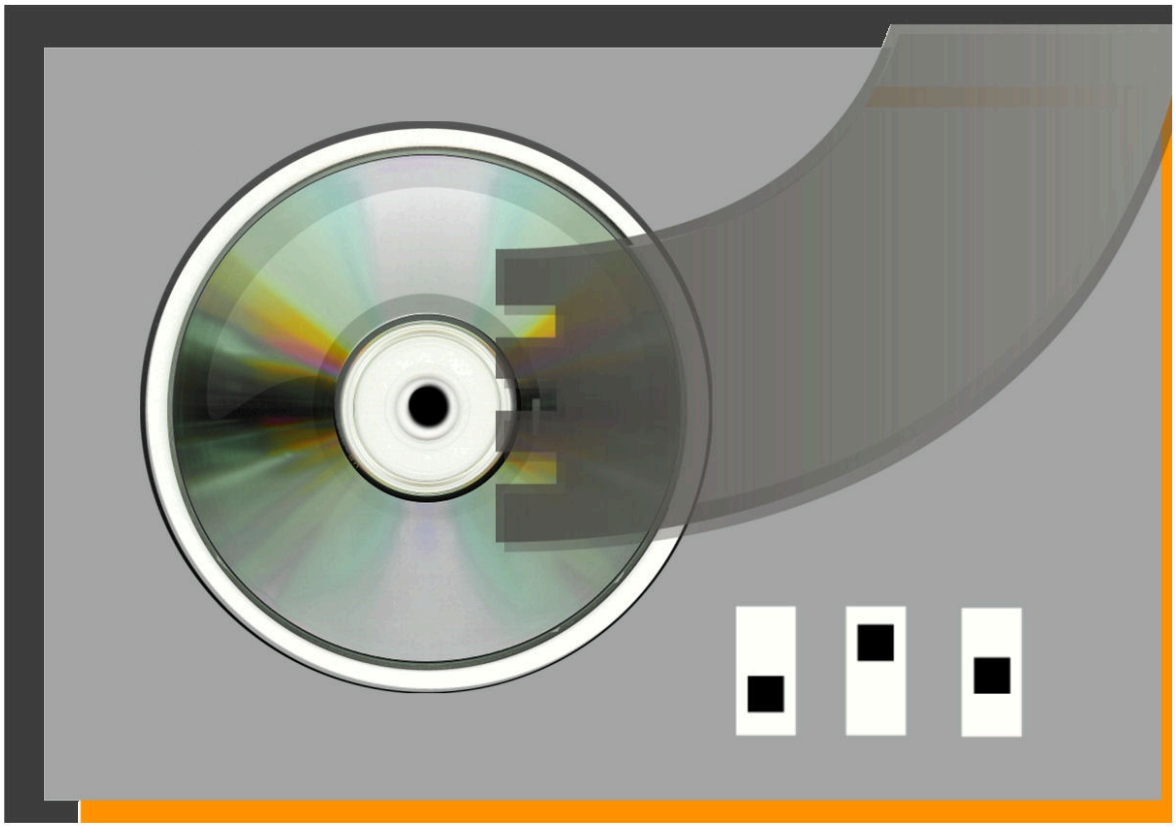
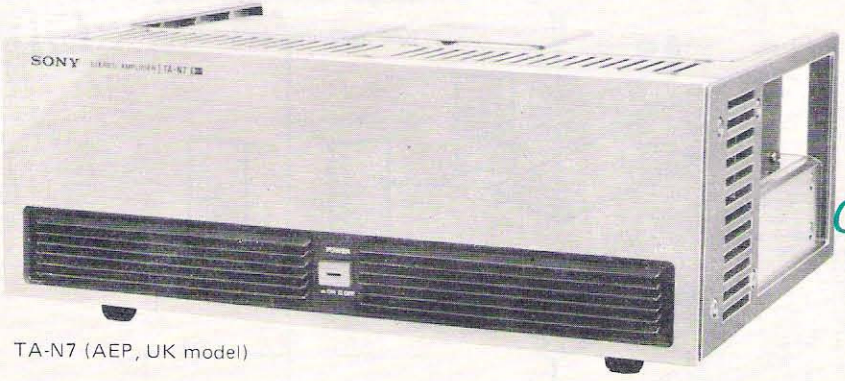
VINTAGE-AUDIO laser



www.vintage-audio-laser.com

TA-N7/N7B

TA-N7 (Panel: Silver)
AEP Model
UK Model
TA-N7B (Panel: Black)
AEP Model
UK Model
US Model
Canadian Model



TA-N7 (AEP, UK model)

STEREO POWER AMPLIFIER

SPECIFICATIONS

GENERAL

Power Requirements: 240V ac, 50/60Hz (UK model)
220V ac, 50/60Hz (AEP model)
120V ac, 60Hz (US, Canadian model)

Power Consumption: 480W (UK model)
420W (AEP model)
160W (US model)
350W (Canadian model)

Dimensions: Approx.
430(W) x 170(h) x 339(d) mm
17(w) x 6¾(h) x 13¾(d) inches
Including projecting parts and control

Weight: (UK, AEP model)
Approx. 20.1kg, 44 lb 5 oz (net)
Approx. 22.6kg, 49 lb 14 oz
(with shipping carton)
(US, Canadian model)
Approx. 21kg, 46 lb 5 oz (net)
Approx. 23.6kg, 52 lb 1 oz
(with shipping carton)

—Continued on page 2 —

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 SCHÉMATIQUES, 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.

SONY®
SERVICE MANUAL

POWER AMPLIFIER SECTION

Continuous RMS Power Output: (Less than 0.01% THD)
Both channels driven simultaneously
At 20—20,000 Hz
100W + 100W (8Ω)
According to DIN 45500 (AEP, UK model)
100W + 100W (8Ω)

Power Bandwidth: 5—35,000 Hz (8Ω), IHF (AEP, UK model)

Damping Factor: 100 (8Ω, 1kHz)

Harmonic Distortion: Less than 0.01% at rated output
Less than 0.008% at 1W/10W output

Less than 0.01% at 250mW—rated output (US, Canadian model)

IM Distortion: (60Hz: 7kHz = 4:1)
Less than 0.01% at rated output
Less than 0.008% at 1W/10W output

Frequency Response: DC—100,000Hz $^{+0}_{-1}$ dB (DIRECT INPUT)
6—100,000Hz $^{+0}_{-1}$ dB (C COUPLED INPUT)

S/N Ratio: Greater than 120 dB, short-circuited input

Residual Noise: Less than 0.024mV (8Ω) weighting network A

Inputs:

	Sensitivity	Impedance
DIRECT	1.3V (for rated output)	50kΩ
C COUPLED (3Hz cut-off frequency)		

Outputs: SPEAKER terminals:
Accept speakers of 8Ω or more

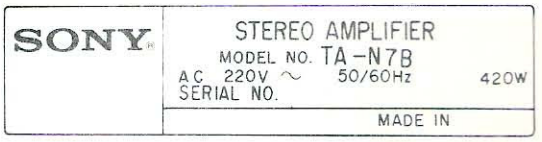
• MODEL IDENTIFICATIONS

— Specification Label —

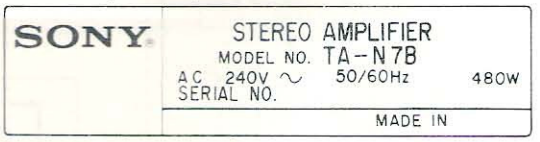
AEP model (TA-N7)

UK model (TA-N7)

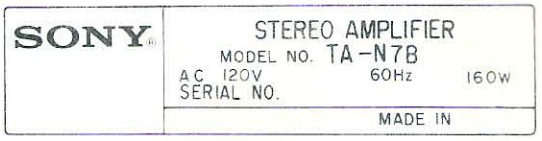
AEP model (TA-N7B)



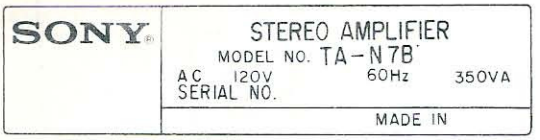
UK model (TA-N7B)



US model (TA-N7B)

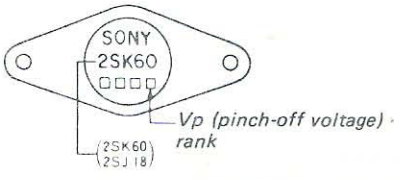


Canadian model (TA-N7B)

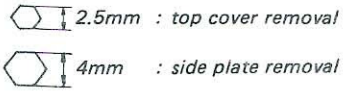


SERVICING NOTES

- This set uses bipolar transistors and V-FETs in cascade circuit to maintain stable biasing. When replacing the three P-channel V-FETs 2SK60 and/or the three N-channel V-FETs 2SJ18 in each channel, use three matched ones which have the same Vp (pinch-off voltage)-rank figure printed on them as shown below. The fluctuation of the Vp rank of the three can be acceptable on one-rank-difference basis.

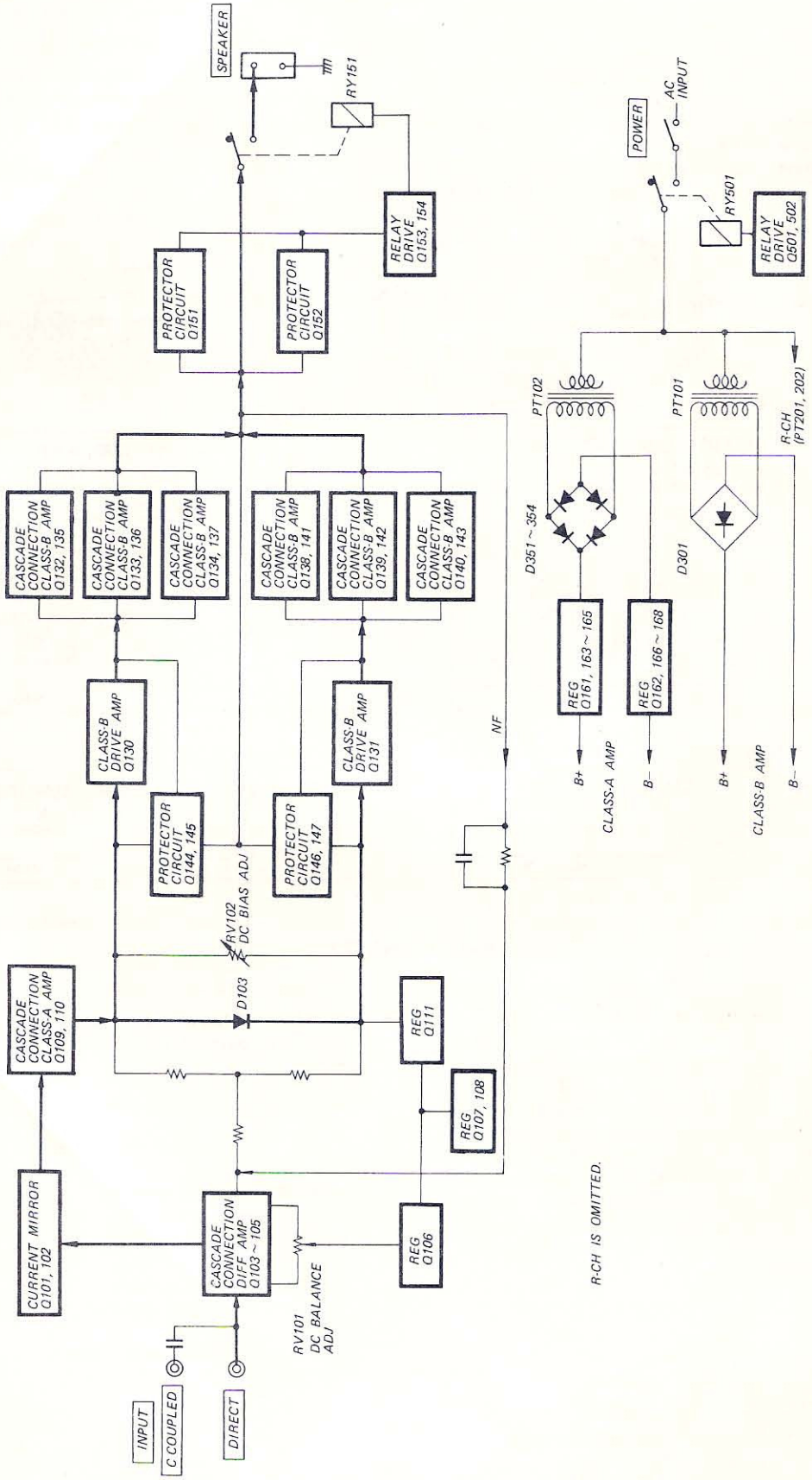


- Two kinds of hexagonal-socket screw-drivers are required for the following removal.



SECTION 1
OUTLINE

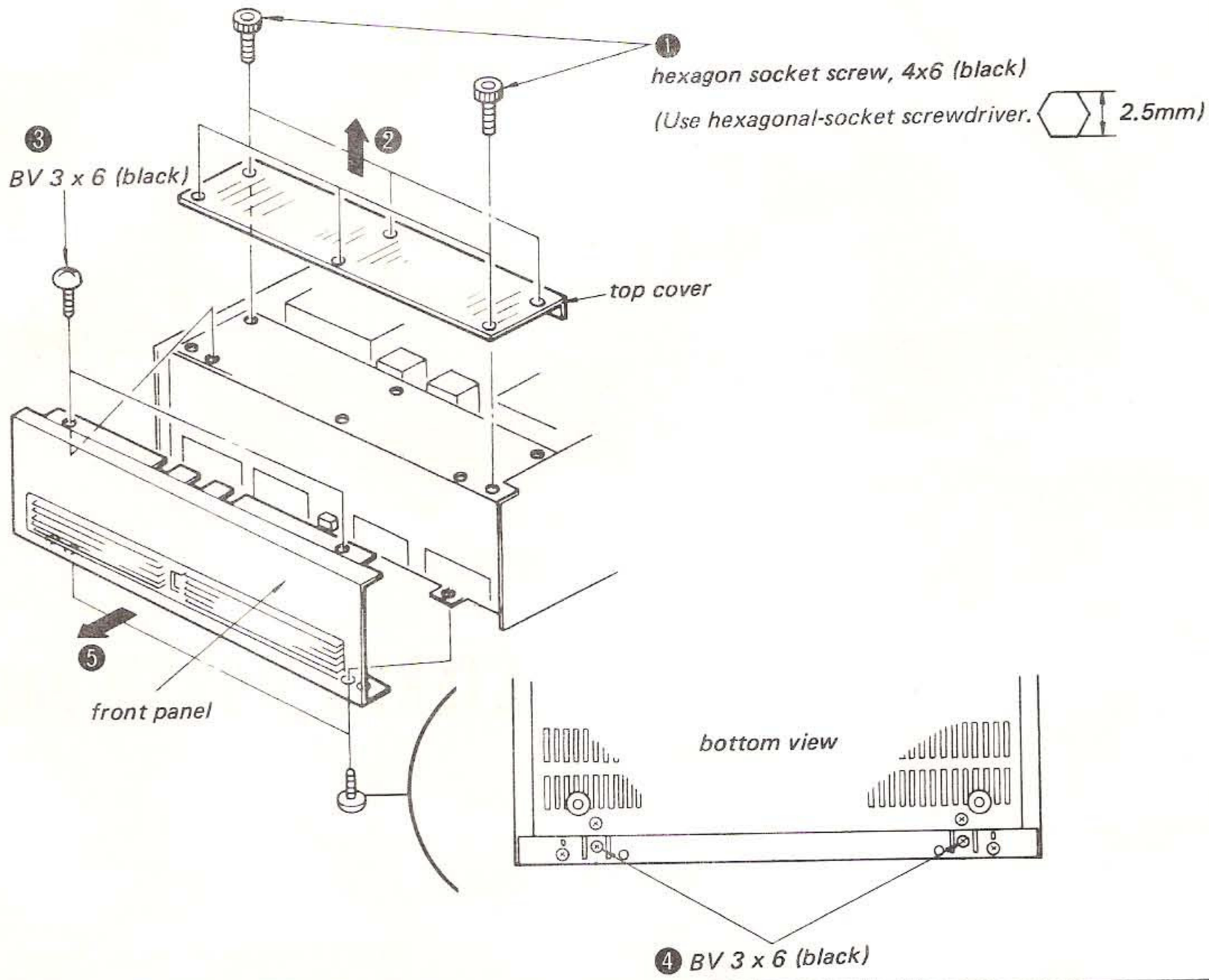
1-1. BLOCK DIAGRAM



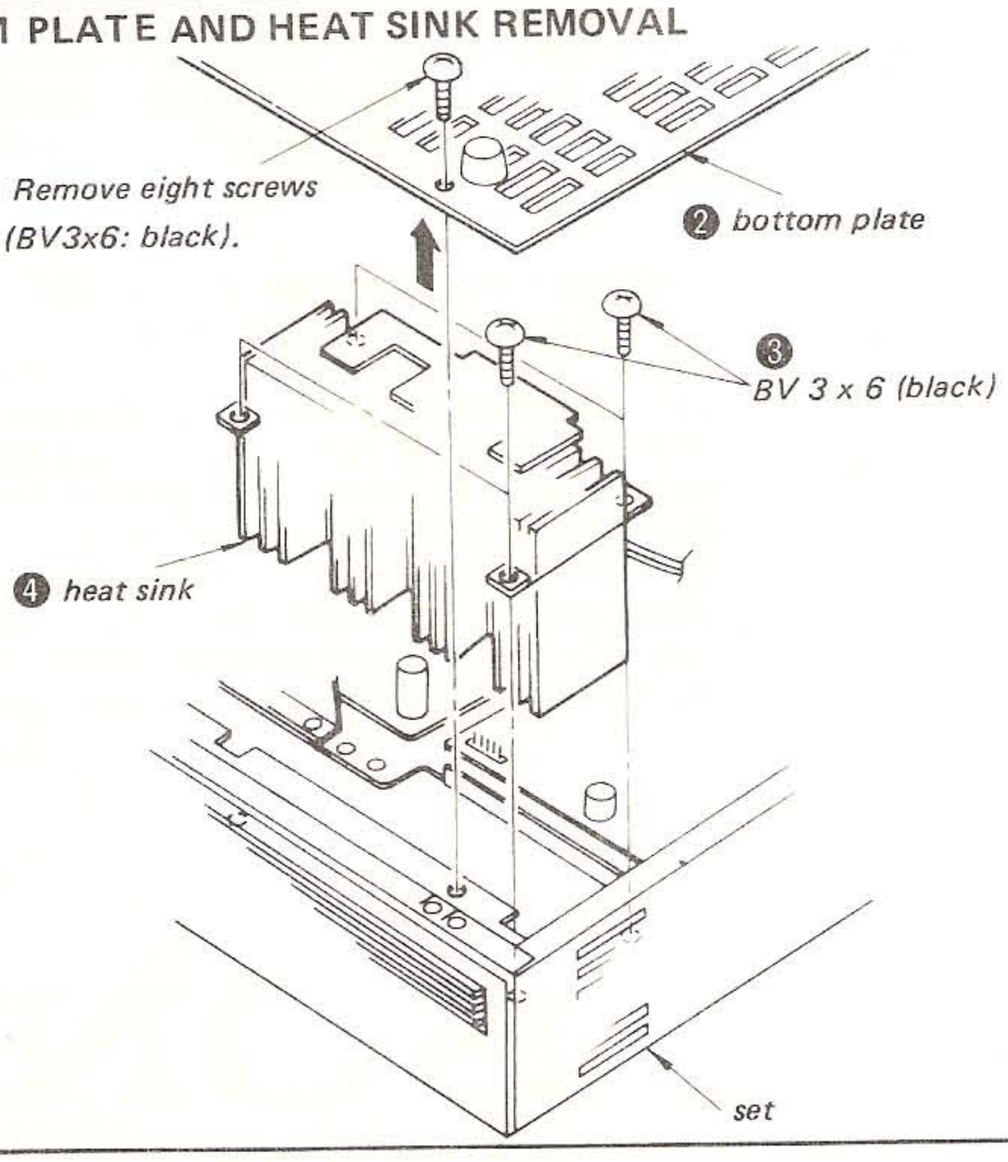
SECTION 2
DISASSEMBLY

Remove the parts in the numerical order.

FRONT PANEL REMOVAL



BOTTOM PLATE AND HEAT SINK REMOVAL



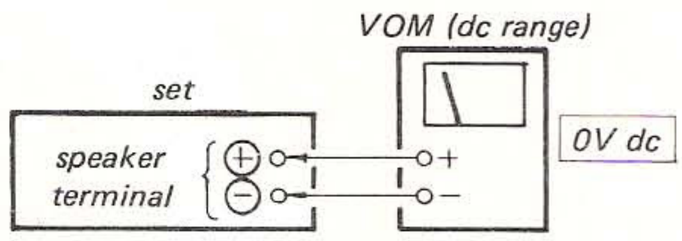
SECTION 3
ADJUSTMENT

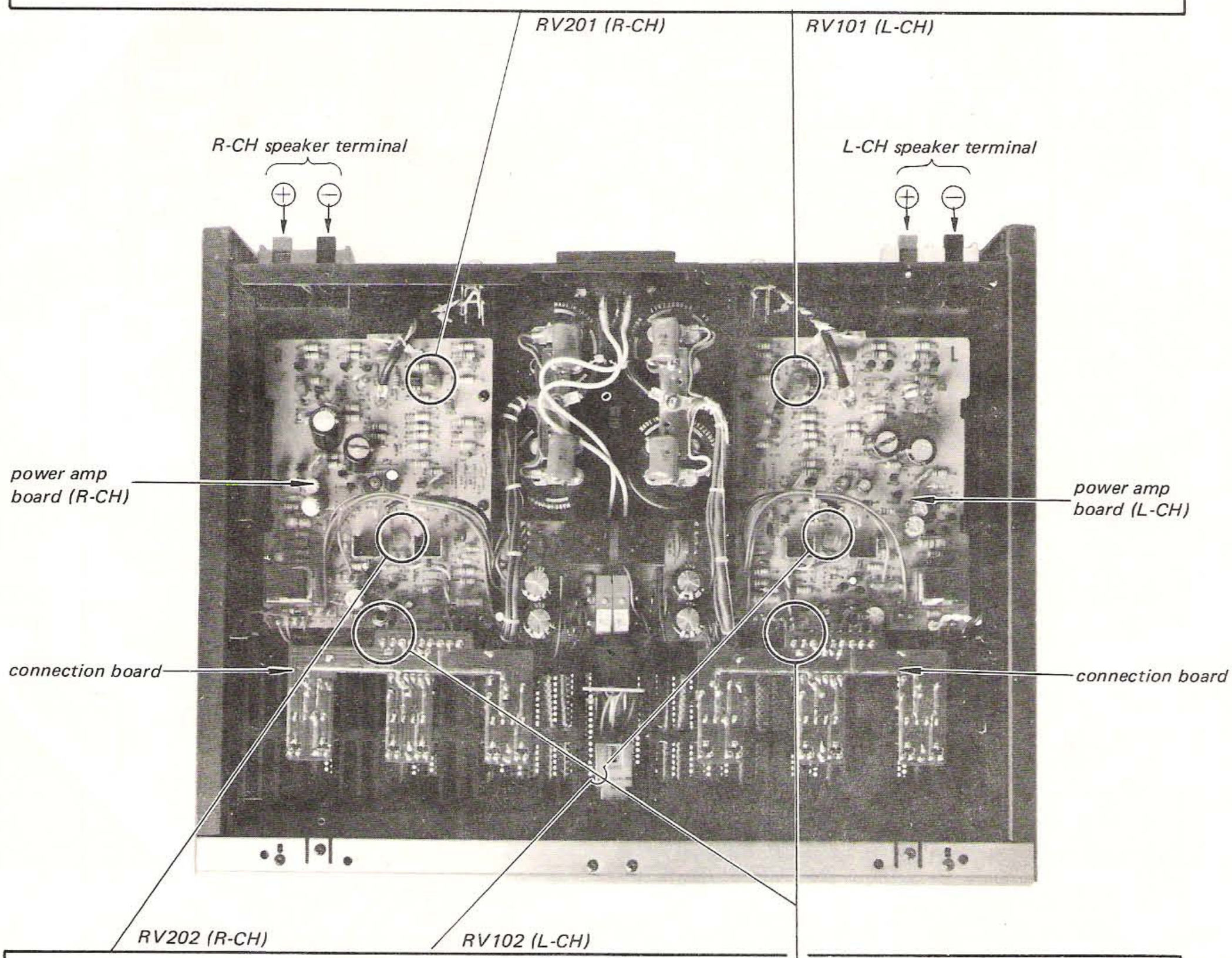
Note:

1. Apply the rated ac line voltage to the set directly. Do not increase the voltage gradually by using a variable transformer or other such instrument; this will cause a V-FET failure.
2. Turn the set on and wait a few minutes for warm-up.
3. Alternately repeat the two adjustments 2 or 3 times.

DC Balance Adjustment

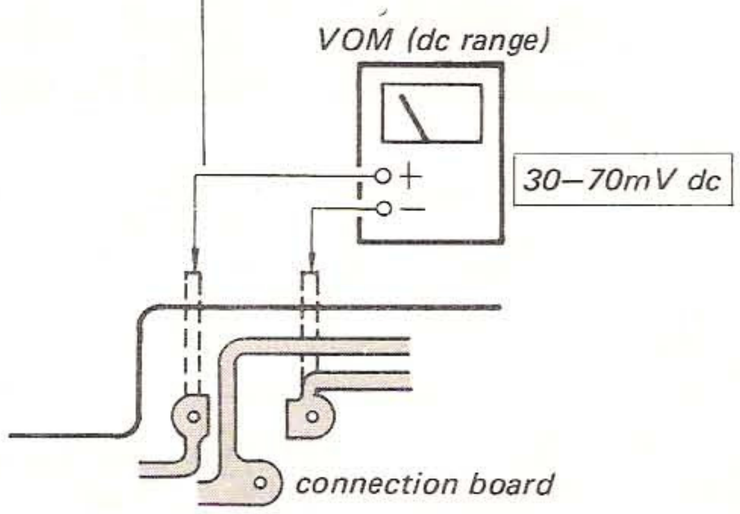
Adjust RV101(L-CH) and RV201 (R-CH) for 0V dc with no signal input.





DC Bias Adjustment

Adjust RV102 (L-CH) and RV202 (R-CH) for 30–70 mV dc with no signal input.

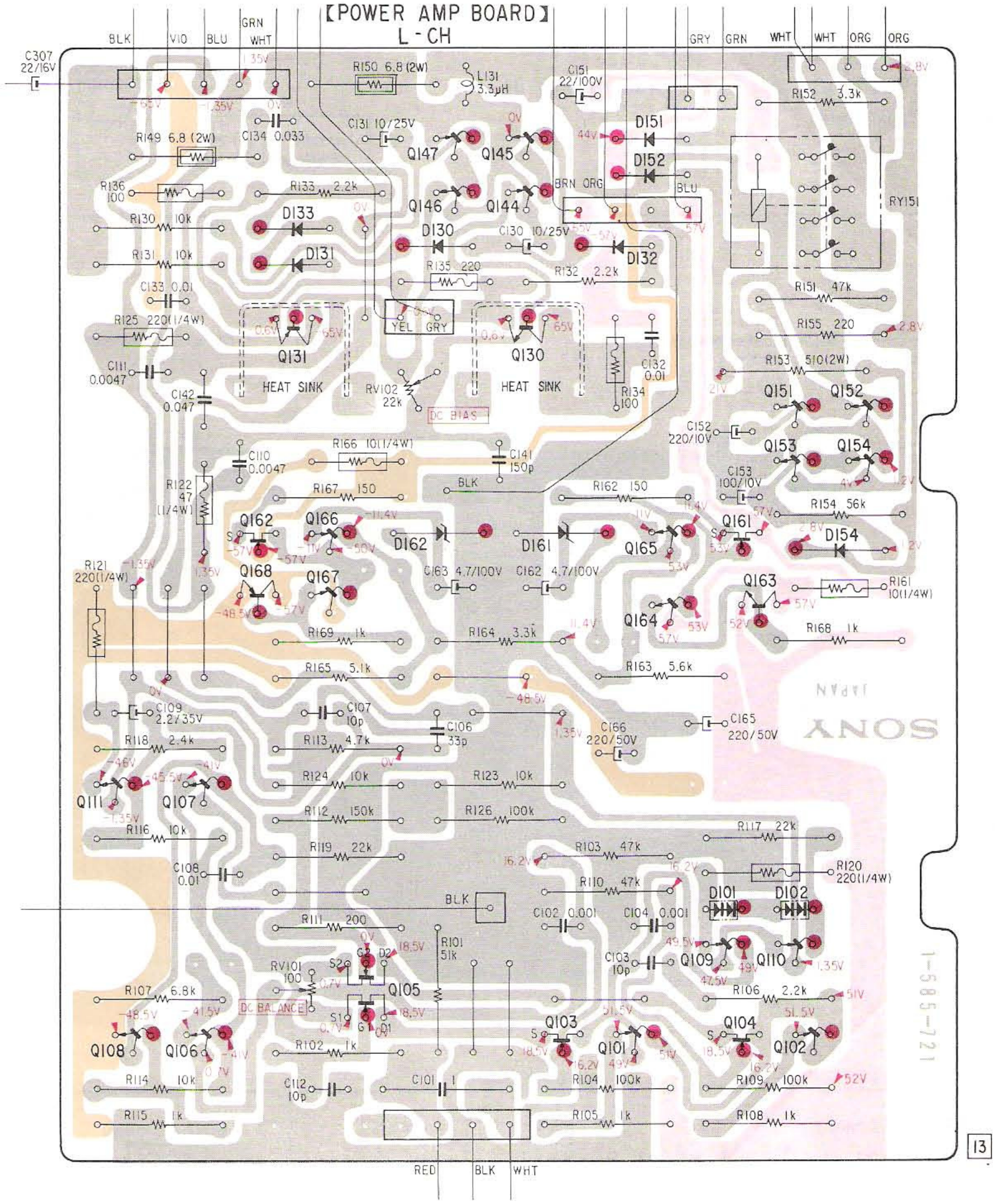


SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM – L-CH Power Amp Board –

– *Conductor Side* –

- Replacement Semiconductors: See page 8.



Q	111 108 107 106 162 168 131 166 167 105 147 146 145 144 130 103 101 165 164 109 161 104 163 151 153 110 102 152 154
D	133 131 130 162 161 132 151 152 101 102 154

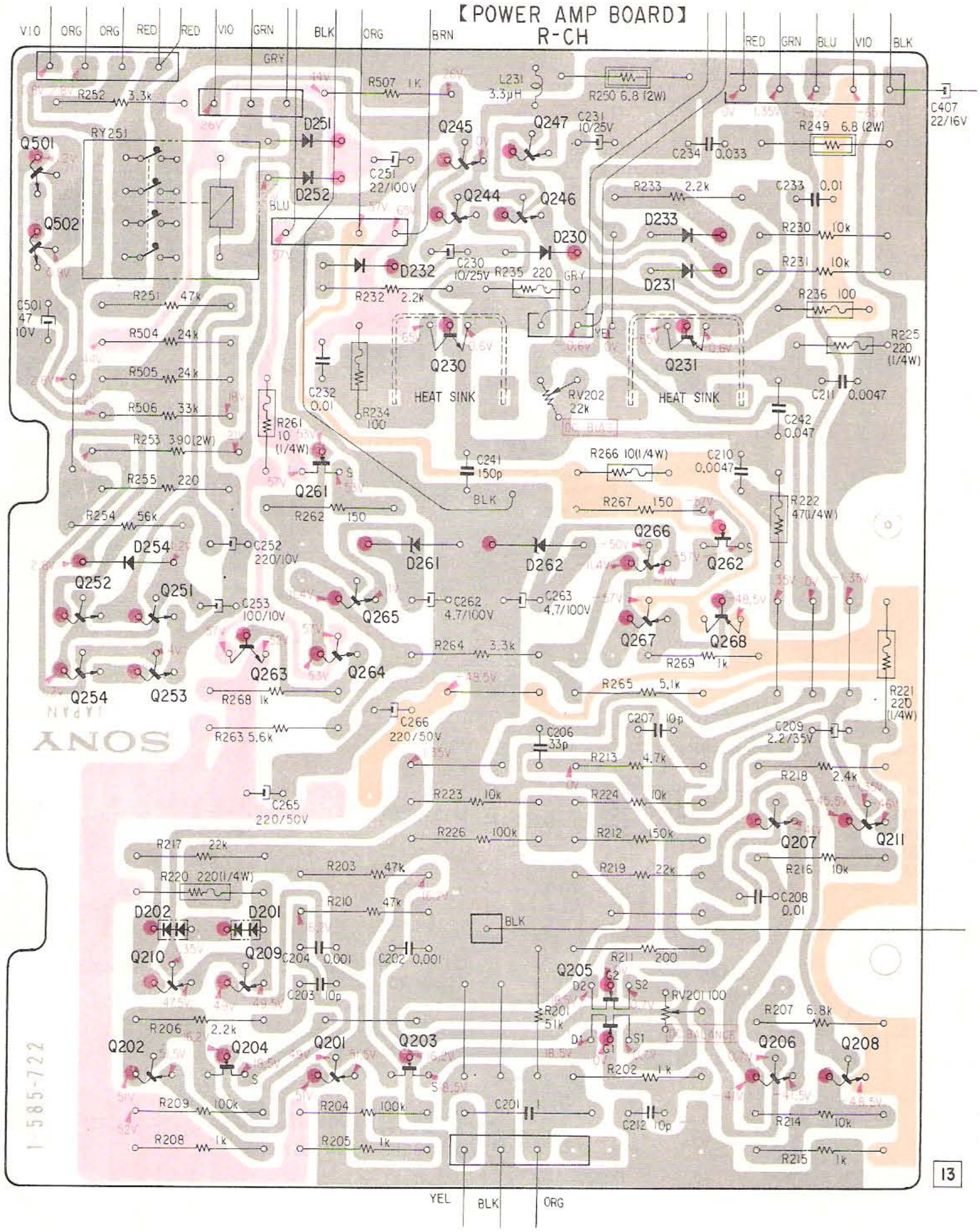
- ▨ : B + pattern
- ▨ : B – pattern

- ▭ : nonflammable resistor
- ▭ : fusible resistor.

4-2. MOUNTING DIAGRAM – R-CH Power Amp Board –

– *Conductor Side* –

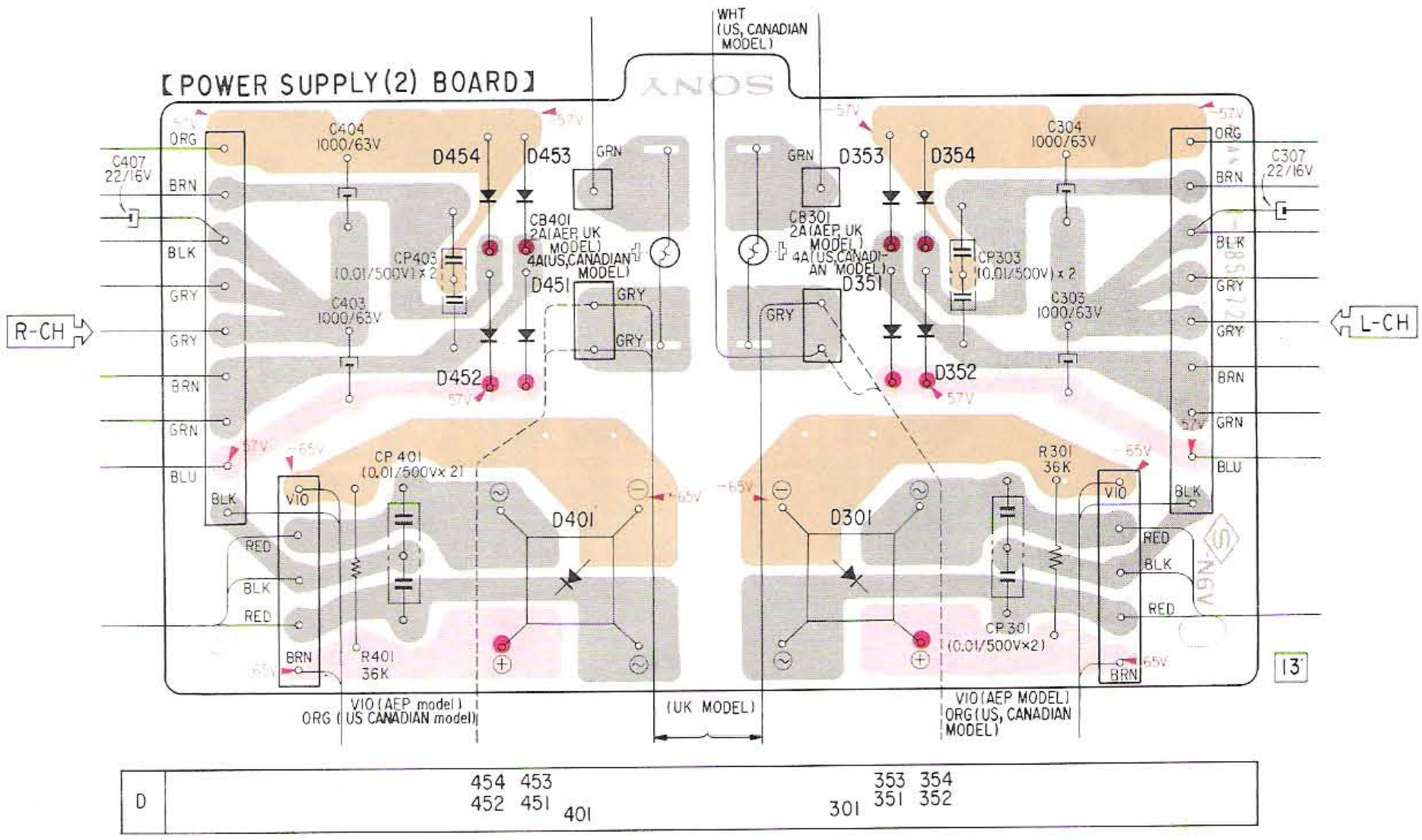
- **Replacement Semiconductors: See page 8.**



Q	501 502	252 254	251 253 202	210	204	263 209	261 264 201	265	203	245 244 230	247 246	205	266. 267	231	262 268	207 206	211 208
D		254	202		201		251 252	232	261		230 262			233 231			

- ▨ : B+pattern
- ▨ : B – pattern

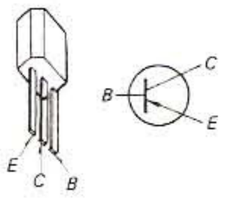
- ▭ : nonflammable resistor
- ▭ : fusible resistor.



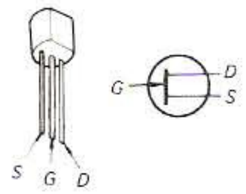
• Replacement Semiconductors

For replacement, use semiconductors except in ( ).

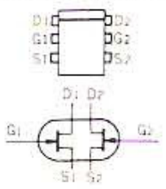
Q101, 102, 144, 147, 166, 167, 201, 202, 244, 247, 266, 267 : 2SA678



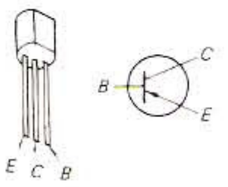
Q103, 104, 203, 204 : 2SK30A



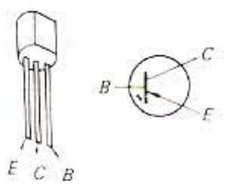
Q105, 205: 2SK97



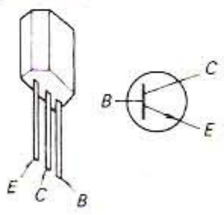
Q109, 209: 2SA639S



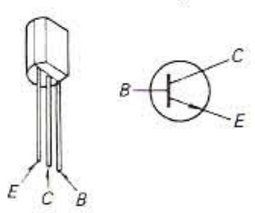
Q110, 210 : 2SA896



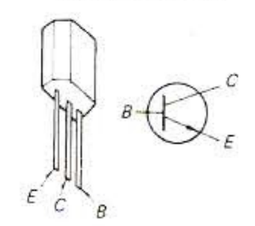
Q106–108, 206–208 : 2SC926A



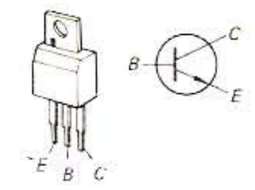
Q145, 146, 151–154, 245, 246, 251–254, 164, 165, 264, 265, 501, 502 : 2SC1364



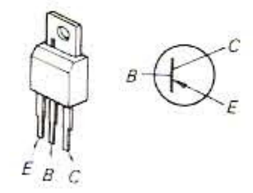
(2SC634A)



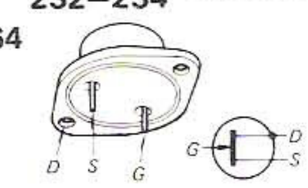
Q111, 130, 211, 230 : 2SC 1962



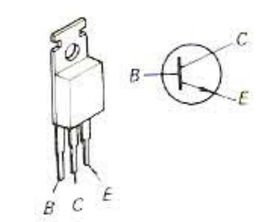
Q131, 231: 2SA835



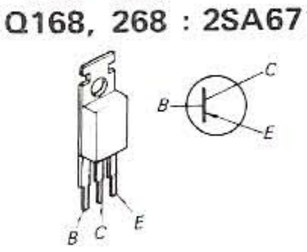
Q132–134, 232–234 : 2SK60



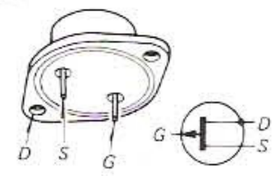
Q135–137, 235–237 : 2SC1173
Q163, 263 : 2SC1061



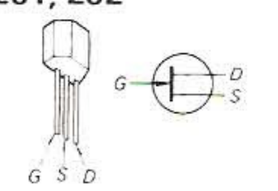
Q138–140, 238–240 : 2SA473
Q168, 268 : 2SA671



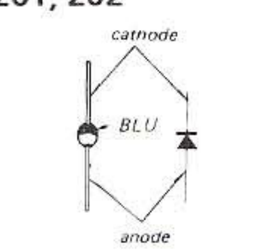
Q141–143, 241–243 : 2SJ18



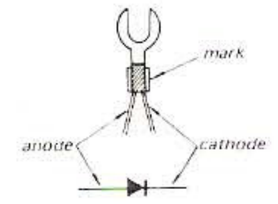
Q161, 162, 261, 262 : 2SK42-2



D101, 102, 201, 202 : MV12N



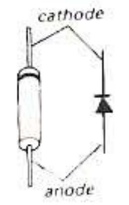
D103, 203: SV04S (SV04F)



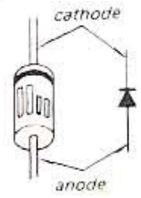
D130–133, 230–233 : 1S1555

D151, 152, 251, 252, 351–354, 451–454 : 10E2

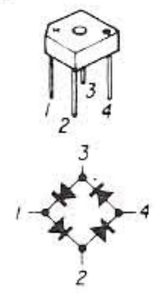
D154, 254: 1T22AM (1T22A)



D161, 162, 261, 262 : EQB01-11Z



D301, 401: S5VB20



4-4. MOUNTING DIAGRAM — L-CH Power Amp Board —

— Component Side —

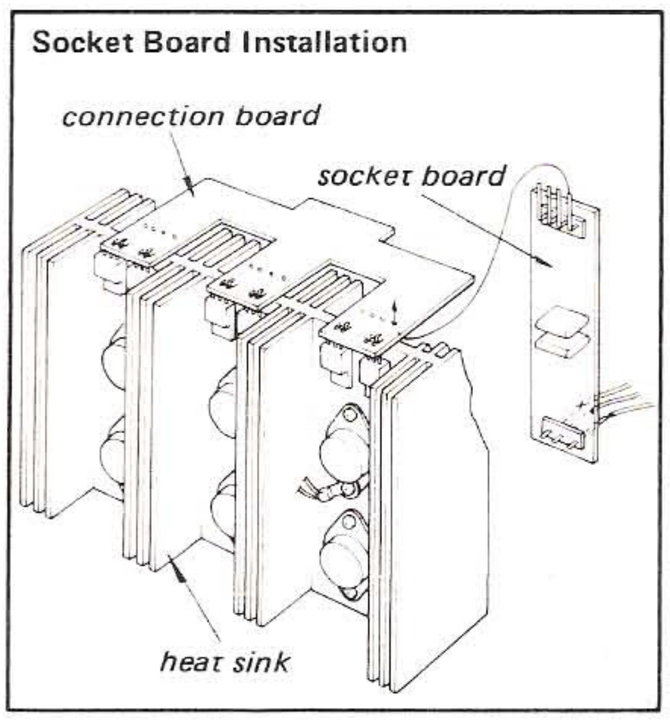
Note.

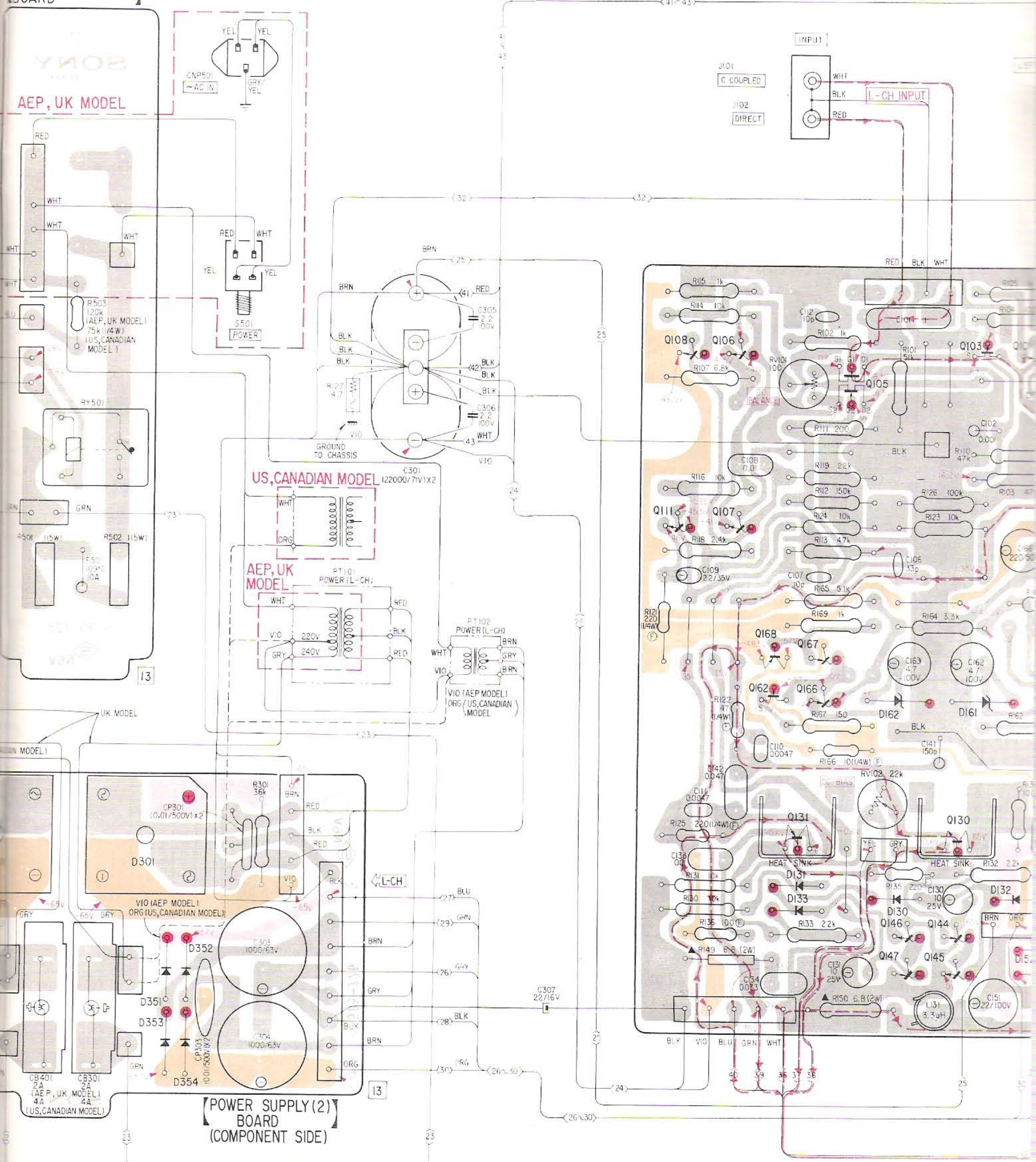
- : B + pattern
- : B — pattern
- —→— : signal path
- ▲ : nonflammable resistor
- Ⓕ : fusible resistor.

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no signal conditions with a VOM (20kΩ/V).
  ( ) : voltage variations according to the rank of V-FET.

power amp (R-CH)

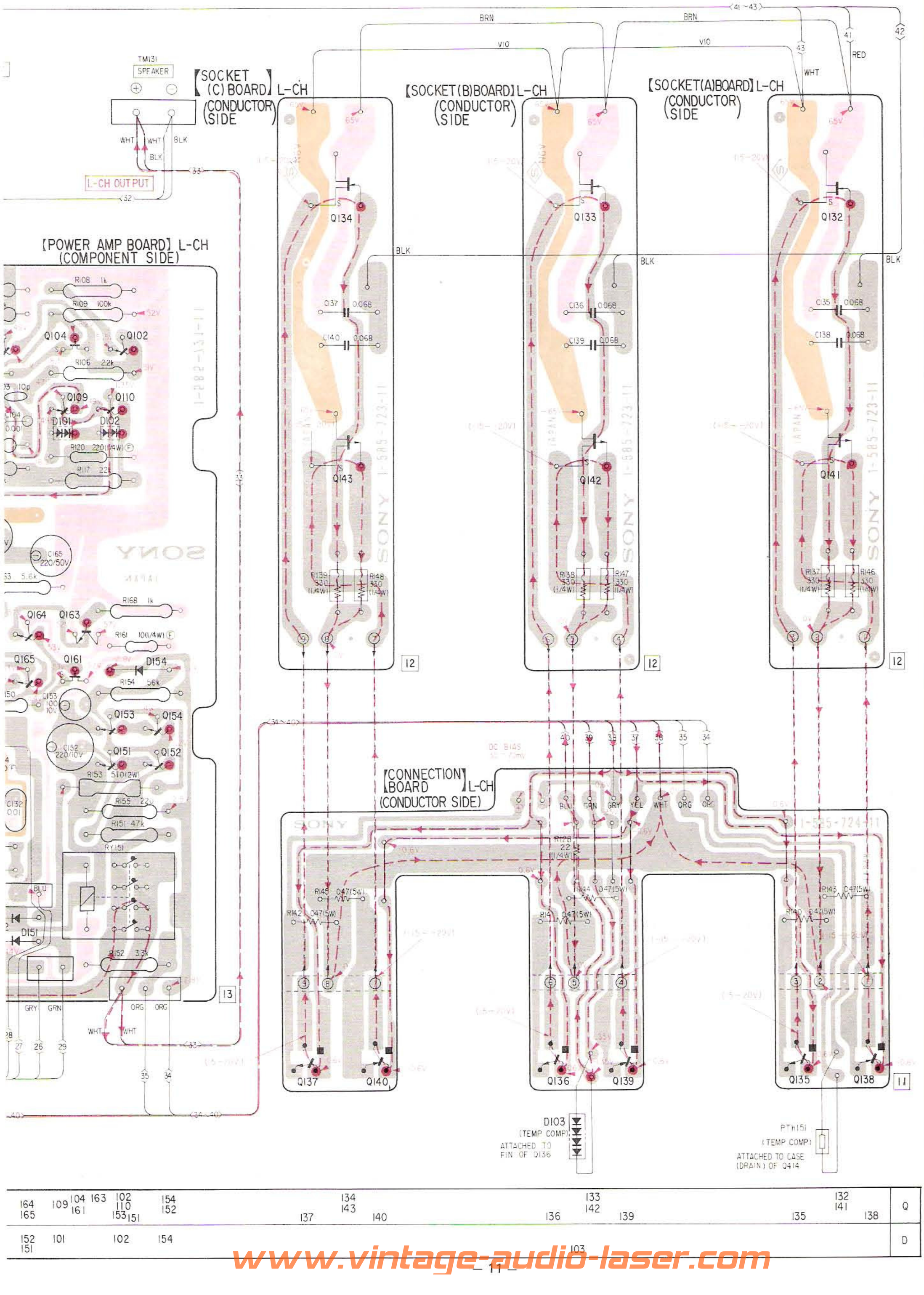
Socket Board Installation





301	351 352 353 354

Q	111 108 106 107 168 162 131 167 166 105 146 147 130 144 145 103 101
D	131 133 162 130 161 132



164 165	109	104 161	163	102 110 153 151	154 152	137	134 143	140	136	133 142	139	135	132 141	138	Q
152 151	101			102	154					103					D

4-5. MOUNTING DIAGRAM — R-CH Power Amp Board —

— Component Side —

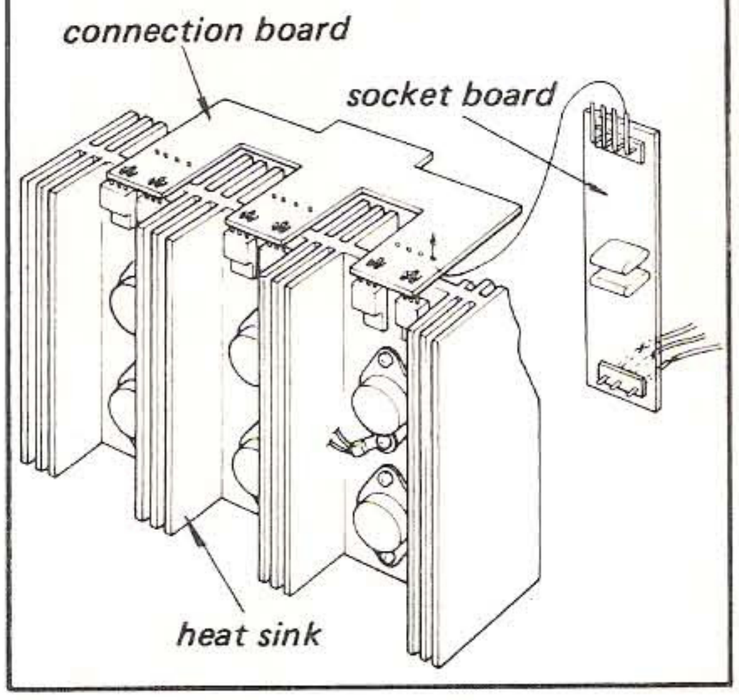
- **Replacement Semiconductors: See page 8.**

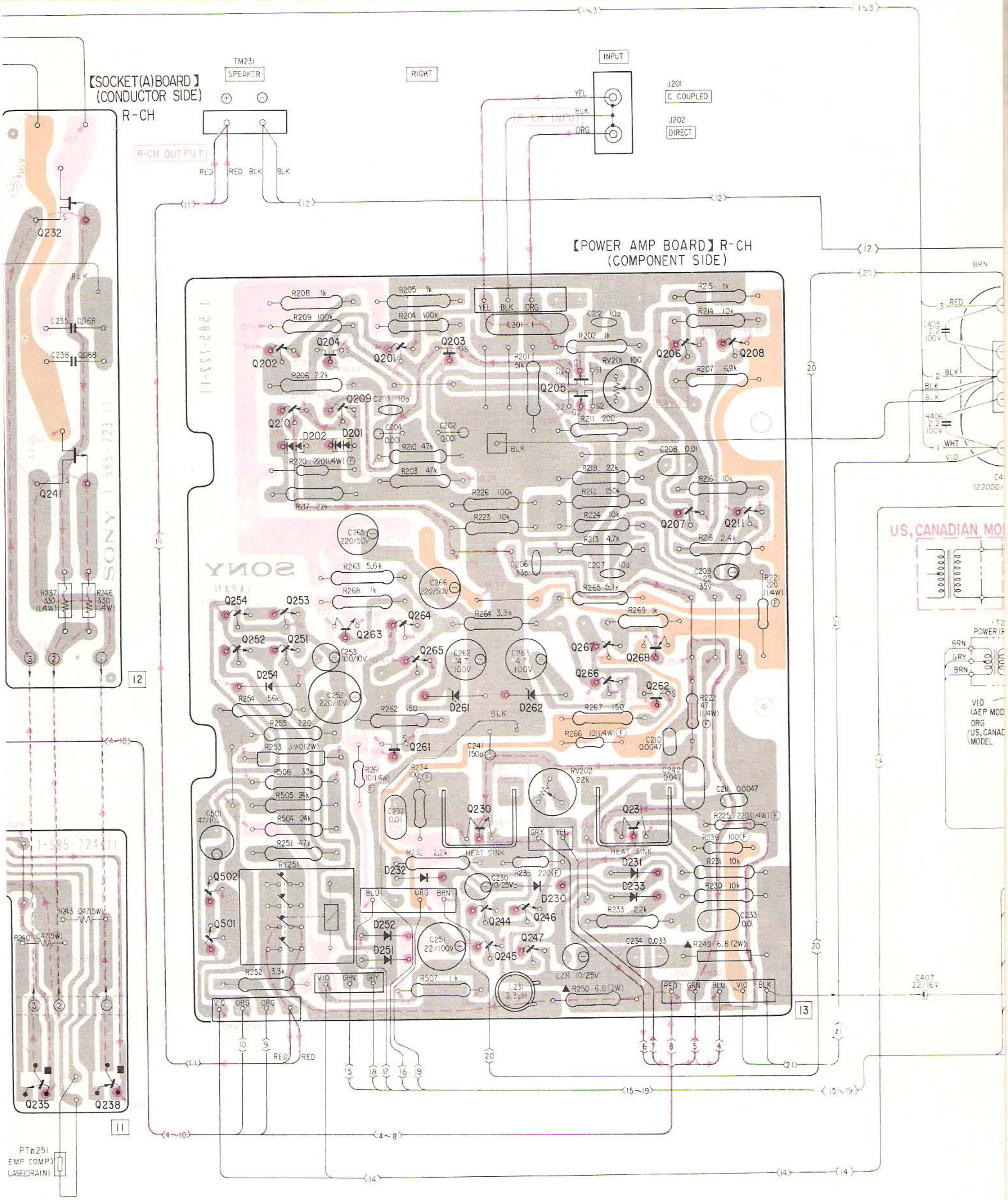
- : B + pattern
- : B — pattern
- : signal path
- ▲ : nonflammable resistor.
- Ⓕ : fusible resistor.

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no signal conditions with a VOM (20kΩ/V).
  ( ) : voltage variations according to the rank of V-FET.

Q	237	234 243	240			236	233 242	239	
D							203		

Socket Board Installation





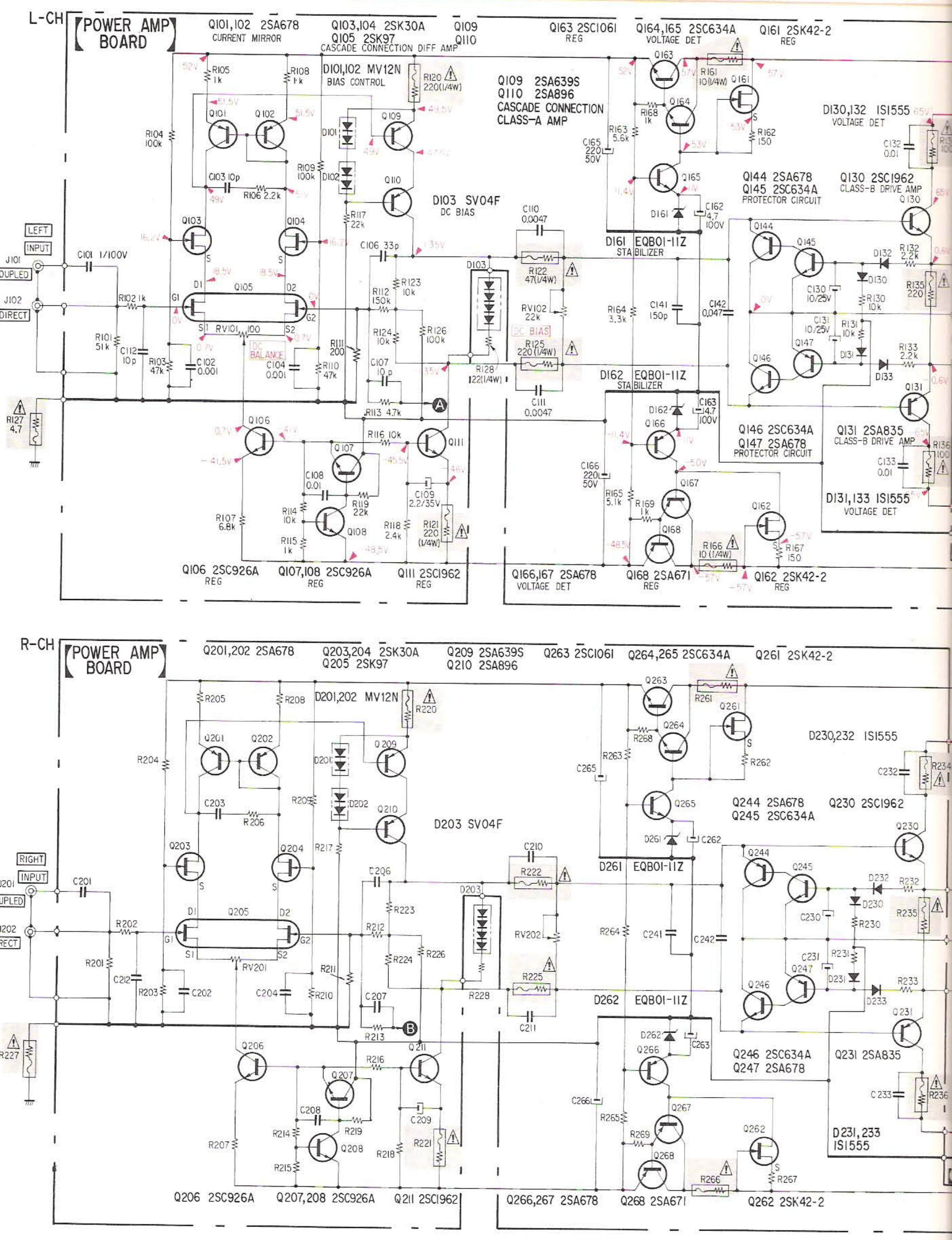
																													Q
	235	232 241	238					502 501	254 252		210 202 253 251		204	209 263		261	201 264	265	203	230 244 245	246 247		205	267 266	231	268 262	206 207		208	211	
										254	202	201	252 251	232	261					262 230				231 233						D

D	452 451 401 454 453	301 351 352 353 354

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

Note: Les composants ide
sont critiques pour
une pièce portant l

4-6. SCHEMATIC DIAGRAM



ifiés par un tramé et une marque ⚠
sécurité. Ne les remplacer que par
uméro spécifié.

E F G H

-CH Q132–134 2SK60 Q135–137 2SC1173
—CASCADE CONNECTION CLASS-B AMP—
OCKET(A)BOARD】【SOCKET(B)BOARD】【SOCKET(C)BOARD】

L-CH 【POWER AMP BOARD】

【POWER SUPPLY(2) BO

L-CH

C135 0.068 C136 0.068 C137 0.068 65V
Q132 Q133 Q134 (15 – 20V)
R137 330 (1/4W) R138 330 (1/4W) R139 330 (1/4W)
Q135 Q136 Q137
R140 0.47 (5W) R141 0.47 (5W) R142 0.47 (5W) DC BIAS 30 – 70mA 0V
R143 0.47 (5W) R144 0.47 (5W) R145 0.47 (5W)
Q138 Q139 Q140
R146 330 (1/4W) R147 330 (1/4W) R148 330 (1/4W)
Q141 Q142 Q143 (1.5 – 20V) -65V
C138 0.068 C139 0.068 C140 0.068

Q151,152 2SC634A PROTECTOR CIRCUIT
Q153,154 2SC634A RELAY DRIVE
【CONNECTION BOARD】
D154 1T22A DISCHARGE
D152 10E2 RELAY PROTECTOR
D151 10E2 RECT

R150 6.8(2W) L131 3.3μH
R151 47k C134 0.033
R149 6.8 (2W) C152 220 10V
Q151 Q152 1.2V
R152 3.3k PTh151
C151 22 100V 44V
D151 D152 RY151
R153 510 (2W) 2V 4V
D154 R154 56k 2.8V
Q154 Q153 1.2V
R155 220 C153 100 10V

TM131 SPEAKER + – LEFT

C301 (22000/71V) x 2 65V
C305 2.2 100V C306 2.2 100V
R301 36k
D301 S5VB20 RECT
CP301 (0.01/500V) x 2 RED BLK
D351–354 10E2 RECT
CP303 (0.01/500V) x 2 BRN GRY BRN
D351 D353 D352 D354 57V
C303 1000 63V C304 1000 63V
C307 22/16V -57V

OCKET(A)BOARD】【SOCKET(B)BOARD】
Q138–140 2SA473 Q141–143 2SJ18
—CASCADE CONNECTION CLASS-B AMP—

R-CH Q232–234 2SK60 Q235–237 2SC1173
OCKET(A)BOARD】【SOCKET(B)BOARD】【SOCKET(C)BOARD】

R-CH 【POWER AMP BOARD】

R-CH

D401 S5VB02

C235 C236 C237
Q232 Q233 Q234
R237 R238 R239
Q235 Q236 Q237
R240 R241 R242
R243 R244 R245
Q238 Q239 Q240
R246 R247 R248
Q241 Q242 Q243
C238 C239 C240

Q251,252 2SC634A Q253,254 2SC634A
【CONNECTION BOARD】
D254 1T22A D252 10E2 D251 10E2

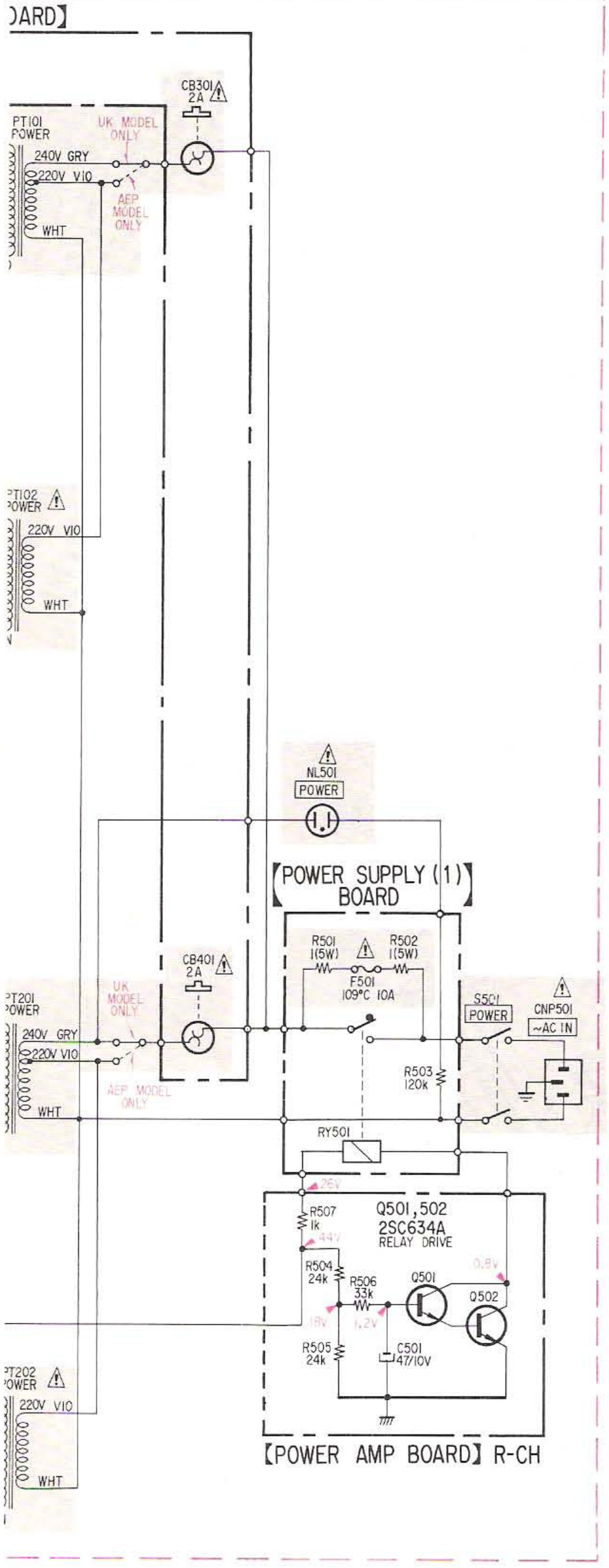
R250 L231
C234 R251 Q251
R249 C252 Q252
R252 PTh251 C251
RY251 D251 D252 RIGHT
R253 Q254 Q253
D254 R254 R255 C253

TM231 SPEAKER + –
D451–454 10E2

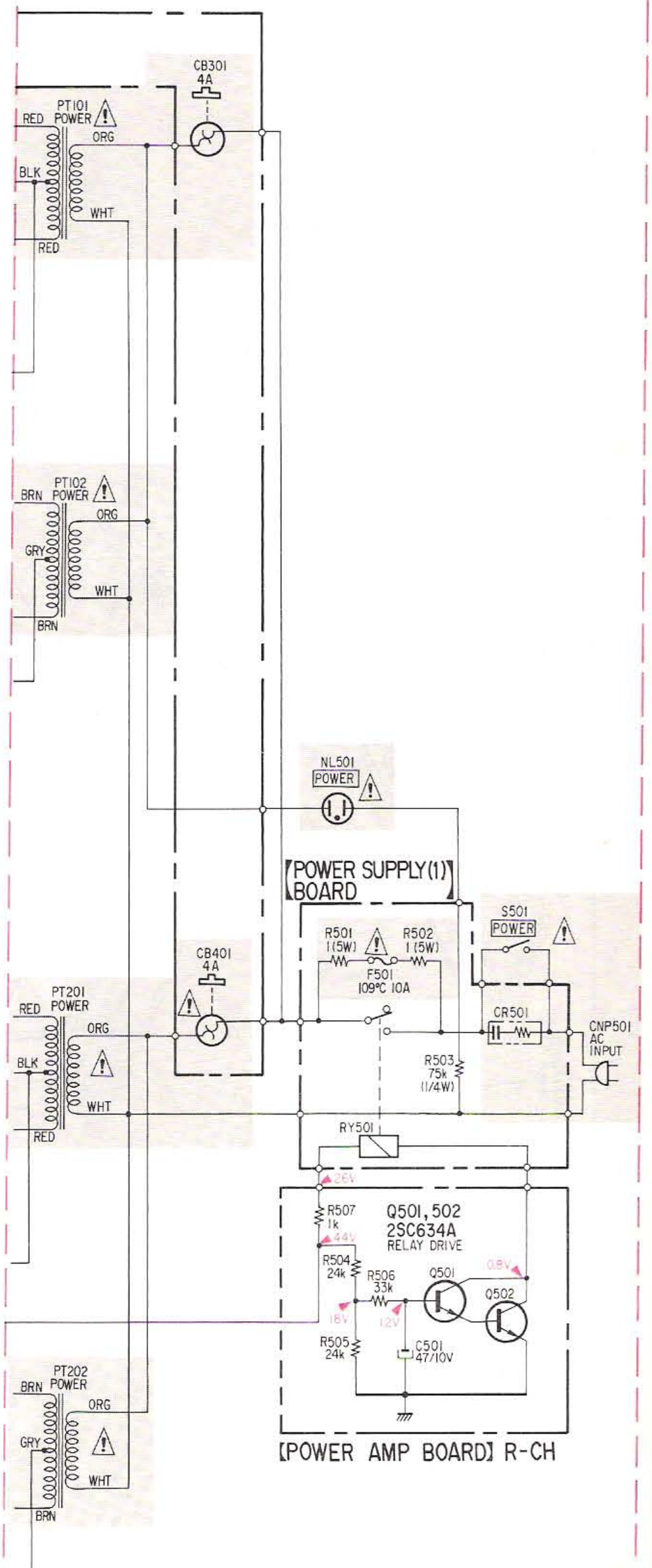
C401 C405 C406 R401
CP401 RED BLK RED
CP403 BRN GRY BRN
D451 D453 D452 D454
C403 C404 C407

OCKET(A)BOARD】【SOCKET(B)BOARD】
Q238–240 2SA473 Q241–243 2SJ18

P,UK MODEL



US, CANADIAN MODEL



- All capacitors are in μF unless otherwise noted. pF=μμF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms ½W unless otherwise noted. kΩ = 1000Ω, MΩ = 1000kΩ
- : nonflammable resistor.
- : fusible resistor.
- : B+ bus.
- : B−bus.
- : panel designation.
- : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no signal conditions with a VOM (20kΩ/V).

  ( ) : voltage variations according to the rank of V-FET.
- Switch

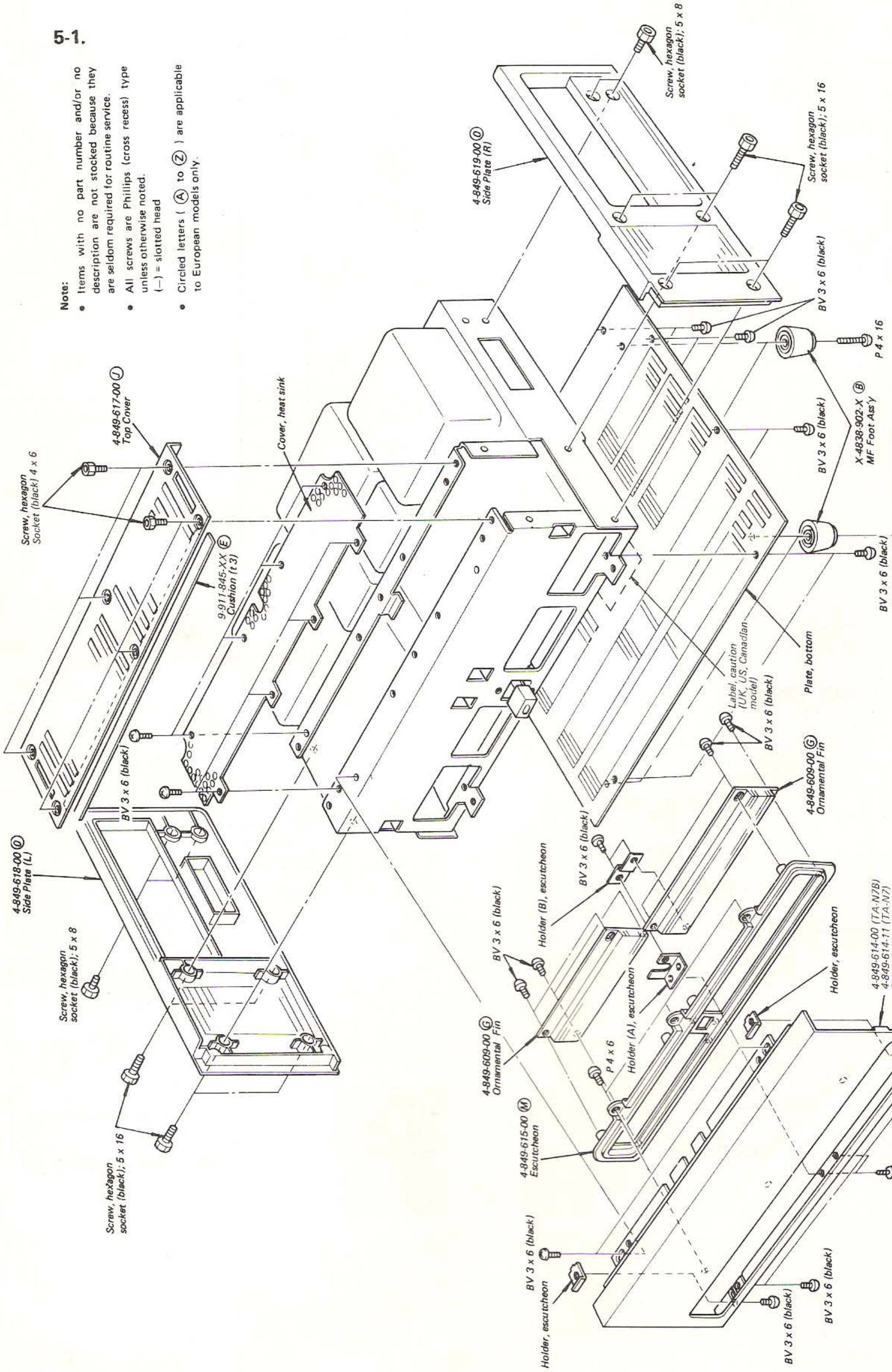
Ref. No.	Switch	Position
S501	POWER	OFF

SECTION 5
EXPLODED VIEWS

5-1.

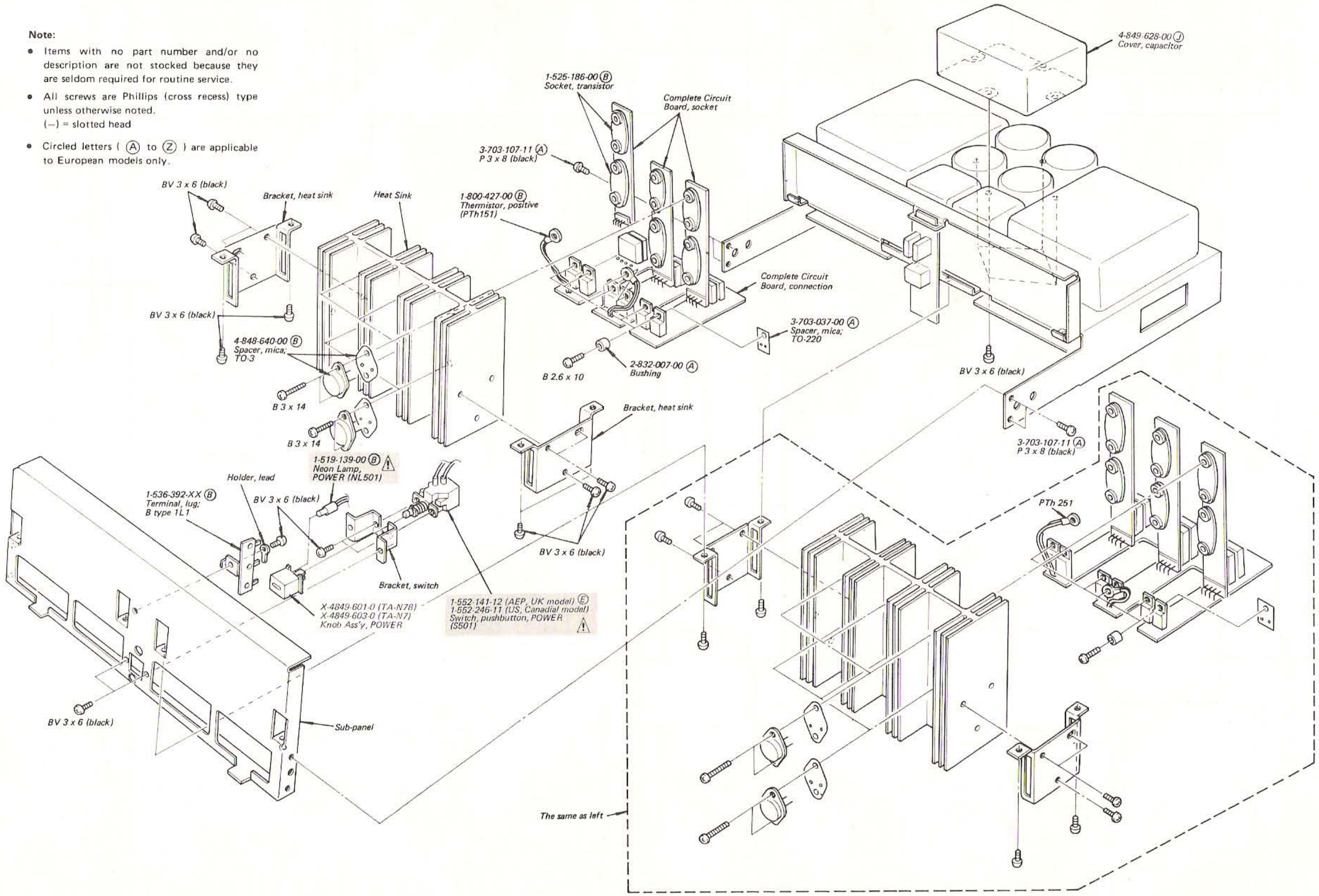
Note:

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



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 (Ⓐ to Ⓩ) are applicable to European models only.

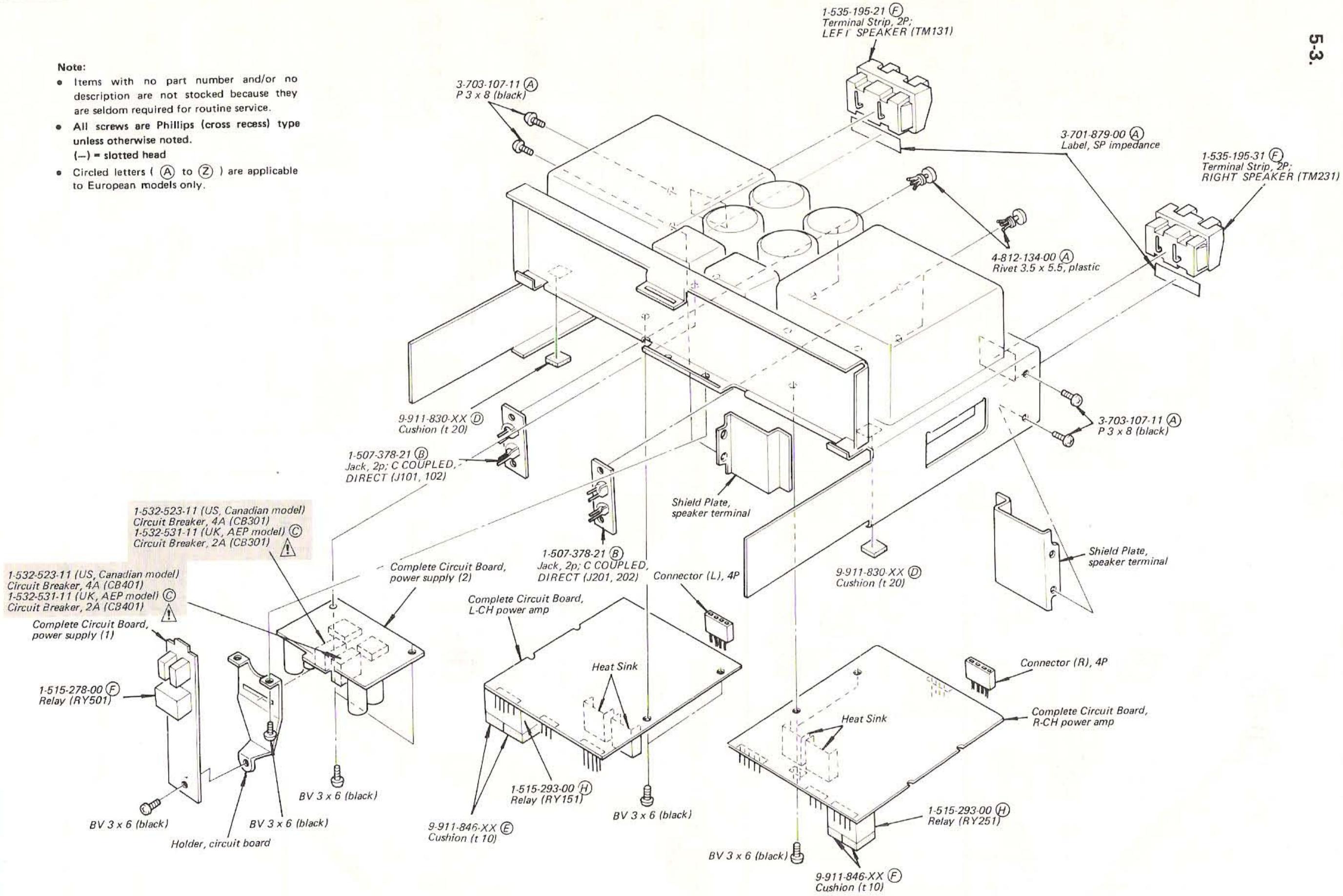


Note: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

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.

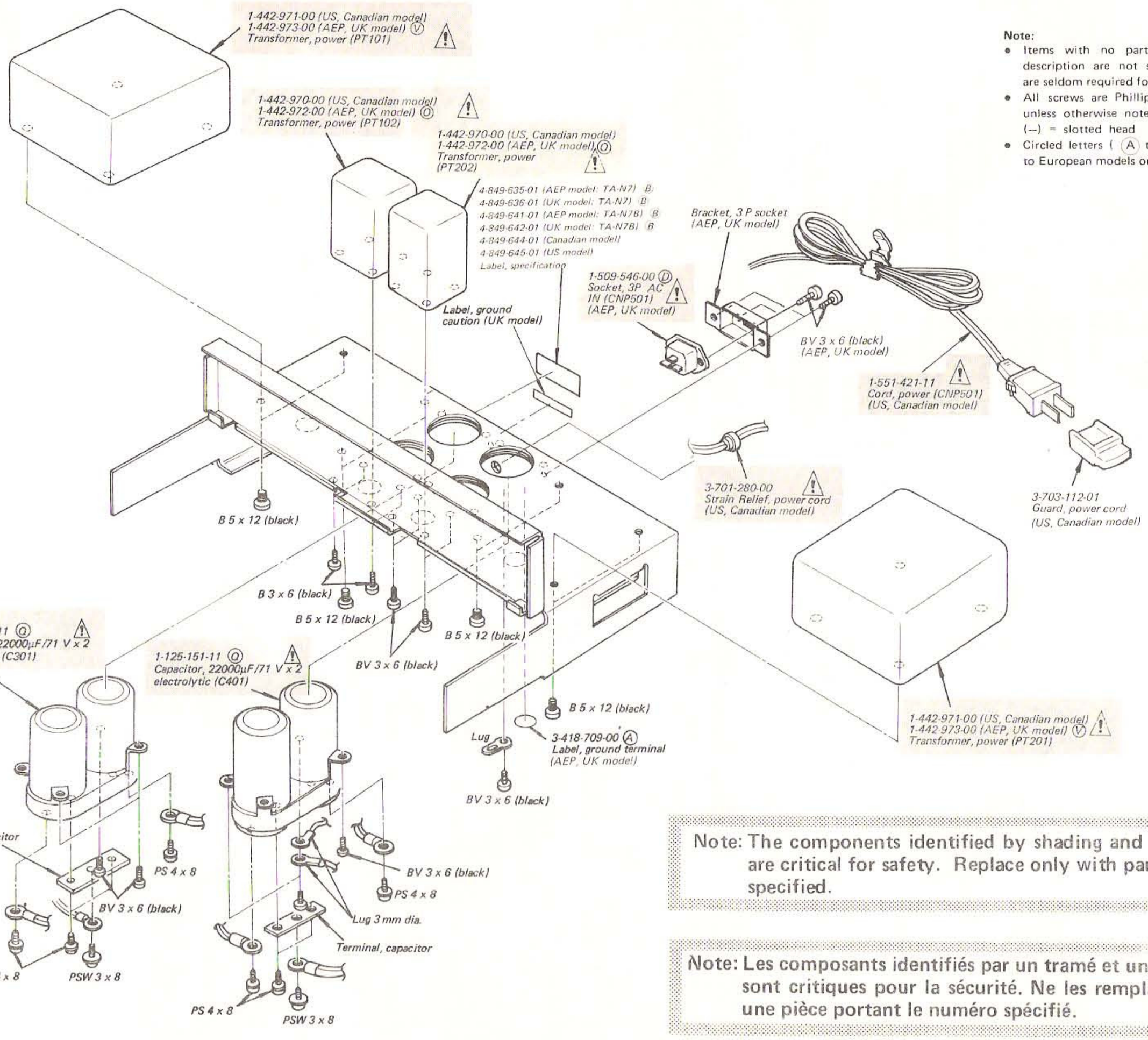
Note:

- 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 (Ⓐ to Ⓩ) 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:

- 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 (Ⓐ to Ⓩ) 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.

SECTION 6
ELECTRICAL PARTS LIST

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

Ref. No.	Part No.		Description
			SEMICONDUCTORS
			Transistors
Q101, 201 Q102, 202	8-727-788-00	Ⓒ	2SA678
Q103, 203 Q104, 204	8-729-203-04	Ⓑ	2SK30A
Q105, 205	8-765-342-10	Ⓕ	2SK97
Q106–108 Q206–208	8-720-950-03	Ⓓ	2SC926A
Q109, 209	8-729-163-93	Ⓒ	2SA639S
Q110, 210	8-765-082-20	Ⓒ	2SA896
Q111, 211 Q130, 230	8-765-170-01	Ⓔ	2SC1962
Q131, 231	8-762-020-00	Ⓔ	2SA835
Q132–134 Q232–234	8-762-355-00	Ⓙ	2SK60
Q135–137 Q235–237	8-729-217-33	Ⓒ	2SC1173
Q138–140 Q238–240	8-729-247-33	Ⓒ	2SA473
Q141–143 Q241–243	8-762-455-00	Ⓚ	2SJ18
Q144, 244	8-727-788-00	Ⓒ	2SA678
⇒ Q145, 245 ⇒ Q146, 246	8-729-663-47	Ⓑ	2SC1364
Q147, 247	8-727-788-00	Ⓒ	2SA678
⇒ Q151–154 ⇒ Q251–254	8-729-663-47	Ⓑ	2SC1364
Q161, 261 Q162, 262	8-727-312-00	Ⓒ	2SK42-2
Q163, 263	8-729-316-12	Ⓓ	2SC1061
⇒ Q164, 264 ⇒ Q165, 265	8-729-663-47	Ⓑ	2SC1364
Q166, 266 Q167, 267	8-727-788-00	Ⓒ	2SA678
Q168, 268	8-729-317-12	Ⓕ	2SA671
⇒ Q501, 502	8-729-663-47	Ⓑ	2SC1364

Ref. No.	Part No.		Description
			Diodes
D101, 201 D102, 202	8-719-912-00	Ⓑ	MV12N
⇒ D103, 203	8-719-300-11	Ⓒ	SV04S
D130–133 D230–233	8-719-815-55	Ⓑ	1S1555
D151, 251	⚠ 8-719-200-02	Ⓑ	10E2
D152, 252	8-719-200-02	Ⓑ	10E2
⇒ D154, 254	8-719-422-21	Ⓑ	1T22AM
D161, 261 D162, 262	8-719-930-11	Ⓑ	EQB01-11Z
D301, 401	⚠ 8-719-505-20	Ⓕ	S5VB20
D351–354 D451–454	⚠ 8-719-200-02	Ⓑ	10E2
			Thermistor
PTH 151 PTH 251	1-800-427-00	Ⓑ	positive

CAPACITORS

All capacitors are in μF and ceramic unless otherwise noted.
50WV or less are not indicated except for electrolytics. pF = μμF, elect = electrolytic

C101, 201	1-130-083-11	Ⓒ	1	100V	polyethylene
C102, 202	1-103-775-11	Ⓐ	0.001		polystyrol
C103, 203	1-102-947-11	Ⓐ	10p		
C104, 204	1-103-775-11	Ⓐ	0.001		polystyrol
C106, 206	1-102-963-11	Ⓐ	33p		
C107, 207	1-102-947-11	Ⓐ	10p		
C108, 208	1-108-239-12	Ⓐ	0.01		mylar
C109, 209	1-131-217-11	Ⓑ	2.2	35V	tantalum
C110, 210 C111, 211	1-108-234-12	Ⓐ	0.0047		mylar
C112, 212	1-102-947-11	Ⓐ	10p		
C130, 230 C131, 231	1-123-187-11	Ⓐ	10	25V	elect
C132, 232 C133, 233	1-108-239-12	Ⓐ	0.01		mylar

• ⇒: 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.

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.

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

Ref. No.	*Part No.*		*Description*		
C134, 234	1-108-244-12	Ⓐ	0.033		mylar
C135–140 C235–240	1-108-847-12	Ⓐ	0.068		mylar
C141, 241	1-103-755-11	Ⓐ	150p		polystyrol
C142, 242	1-108-246-12	Ⓐ	0.047		mylar
C151, 251	1-123-081-11	Ⓑ	22	100V	elect
C152, 252	1-123-072-11	Ⓑ	220	10V	elect
C153, 253	1-123-196-11	Ⓐ	100	10V	elect
C162, 262 C163, 263	1-123-255-11	Ⓑ	4.7	100V	elect
C165, 265 C166, 266	1-121-423-11	Ⓑ	220	50V	elect
C301, 401	⚠1-125-151-11	Ⓠ	22000+22000	71V	elect
C303, 403 C304, 404	1-123-262-11	Ⓔ	1000	63V	elect
C305, 405 C306, 406	⚠1-130-084-11	Ⓓ	2.2	100V	polyethylene
C307, 407	1-121-479-11	Ⓐ	22	16V	elect
C501	1-123-195-11	Ⓐ	47	10V	elect

RESISTORS

All resistors are in ohms and ½W carbon unless otherwise noted.

R101, 201	1-244-914-11	Ⓐ	51k		
R102, 202	1-244-873-11	Ⓐ	1k		
R103, 203	1-244-913-11	Ⓐ	47k		
R104, 204	1-244-921-11	Ⓐ	100k		
R105, 205	1-244-873-11	Ⓐ	1k		
R106, 206	1-244-881-11	Ⓐ	2.2k		
R107, 207	1-244-893-11	Ⓐ	6.8k		
R108, 208	1-244-873-11	Ⓐ	1k		
R109, 209	1-244-921-11	Ⓐ	100k		
R110, 210	1-244-913-11	Ⓐ	47k		
R111, 211	1-244-856-11	Ⓐ	200		
R112, 212	1-244-925-11	Ⓐ	150k		
R113, 213	1-244-889-11	Ⓐ	4.7k		
R114, 214	1-244-897-11	Ⓐ	10k		
R115, 215	1-244-873-11	Ⓐ	1k		
R116, 216	1-244-897-11	Ⓐ	10k		
R117, 217	1-244-905-11	Ⓐ	22k		
R118, 218	1-244-882-11	Ⓐ	2.4k		
R119, 219	1-244-905-11	Ⓐ	22k		
R120, 220 R121, 221	⚠1-212-889-11	Ⓐ	220	¼W	fusible
R122, 222	⚠1-212-873-11	Ⓐ	47	¼W	fusible
R123, 223 R124, 224	1-244-897-11	Ⓐ	10k		
R125, 225	⚠1-212-889-11	Ⓐ	220	¼W	fusible
R126, 226	1-244-921-11	Ⓐ	100k		
R127, 227	⚠1-212-950-11	Ⓐ	4.7	½W	fusible
R128, 228	1-244-633-11	Ⓐ	22	¼W	
R130, 230 R131, 231	1-244-897-11	Ⓐ	10k		
R132, 232 R133, 233	1-244-881-11	Ⓐ	2.2k		
R134, 234	⚠1-212-982-11	Ⓐ	100	½W	fusible
R135, 235	⚠1-212-990-11	Ⓐ	220	½W	fusible
R136, 236	⚠1-212-982-11	Ⓐ	100	½W	fusible
R137–139 R237–239	⚠1-212-893-11	Ⓐ	330	¼W	fusible
R140–145 R240–245	1-217-158-11	Ⓐ	0.47	5W	metal oxide
R146–148 R246–248	⚠1-212-893-11	Ⓐ	330	¼W	fusible
R149, 249 R150, 250	1-206-459-11	Ⓐ	6.8	2W	metal oxide
R151, 251	1-244-913-11	Ⓐ	47k		
R152, 252	1-244-885-11	Ⓐ	3.3k		
R153, 253	⚠1-206-657-11	Ⓐ	510	2W	metal oxide
R154, 254	1-244-915-11	Ⓐ	56k		
R155, 255	1-244-857-11	Ⓐ	220		
R161, 261	⚠1-212-857-11	Ⓐ	10	¼W	fusible
R162, 262	1-244-853-11	Ⓐ	150		
R163, 263	1-244-891-11	Ⓐ	5.6k		
R164, 264	1-244-885-11	Ⓐ	3.3k		
R165, 265	1-244-890-11	Ⓐ	5.1k		

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.

Ref. No.	Part No.		Description		
R166, 266	⚠ 1-212-857-11	Ⓐ	10	¼W	fusible
R167, 267	1-244-853-11	Ⓐ	150		
R168, 268 R169, 269	1-244-873-11	Ⓐ	1k		
R301, 401	1-244-910-11	Ⓐ	36k		
R501, 502	⚠ 1-217-160-11	Ⓑ	1	5W	metal oxide
R503	1-244-718-11		75k	¼W	(US, Canadian model)
	1-244-925-11	Ⓐ	120k		(AEP, UK model)
R504, 505	1-244-906-11	Ⓐ	24k		
R506	1-244-909-11	Ⓐ	33k		
R507	1-244-873-11	Ⓐ	1k		
RV101, 201	1-224-247-XX	Ⓒ	100		adjustable, DC balance
RV102, 202	1-224-253-XX	Ⓒ	22k		adjustable, DC bias

SWITCH

S501	⚠ 1-552-141-12	Ⓔ	Pushbutton, POWER (AEP, UK model)
	⚠ 1-552-246-11		Pushbutton, POWER (US, Canadian model)

MISCELLANEOUS

CB301, 401	⚠ 1-532-523-11		Circuit Breaker, 4A (US, Canadian model)
	⚠ 1-532-531-11	Ⓒ	Circuit Breaker, 2A (AEP, UK model)
CNP501	1-509-546-00	Ⓓ	Socket, 3p AC IN (AEP, UK model)
	1-551-421-11		Cord, power (US, Canadian model)
CP301, 303 CP401, 403	⚠ 1-102-355-11	Ⓑ	Encapsulated Component
CR501	⚠ 1-231-326-11		Encapsulated Component (US model)
	⚠ 1-231-341-00		Encapsulated Component (Canadian model)
F501	⚠ 1-532-496-00	Ⓒ	Fuse, 109°C, 10A
J101, 201 J102, 202	1-507-378-21	Ⓑ	Jack, 2p; C-COUPLED, DIRECT
L131, 231	1-420-879-00	Ⓑ	Coil, 3.3μH
NL501	⚠ 1-519-139-00	Ⓑ	Neon Lamp, power
PT101, 201	⚠ 1-442-971-00		Transformer, power (US, Canadian model)
	⚠ 1-442-973-00	Ⓥ	Transformer, power (AEP, UK model)
PT102, 202	⚠ 1-442-970-00		Transformer, power (US, Canadian model)
	⚠ 1-442-972-00	Ⓞ	Transformer, power (AEP, UK model)
RY151, 251	1-515-293-00	Ⓗ	Relay
RY501	1-515-278-00	Ⓕ	Relay
TM131	1-535-195-21	Ⓕ	Terminal Strip 2p; LEFT SPEAKER
TM231	1-535-195-31	Ⓕ	Terminal Strip 2p; RIGHT SPEAKER
	1-525-186-00	Ⓑ	Socket, transistor
	1-536-392-XX	Ⓑ	Terminal, lug

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

ACCESSORIES & PACKING MATERIALS

Part No.		Description
⚠ 1-534-819-12	Ⓖ	Cord, power (UK model)
3-701-622-00	Ⓐ	Bag, plastic (UK model)
3-701-630-00	Ⓐ	Bag, plastic; printed matters
3-770-058-21		Manual, instruction (US model)
3-770-058-21 3-794-245-31		Manual, instruction (Canadian model)
3-770-441-11	Ⓗ	Manual, instruction (AEP, UK model)
4-848-648-00	Ⓑ	Bag, protection; set
4-849-622-00	Ⓒ	Cushion (A)
4-849-623-00	Ⓒ	Cushion (B)
4-849-637-00	Ⓕ	Carton (TA-N7)
4-849-638-00	Ⓒ	Spacer
4-849-639-00	Ⓒ	Cushion, lower
4-849-643-00	Ⓖ	Carton (TA-N7B)

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.

9-958-445-12

Sony Corporation

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