STR-V7

US Model
Canadian Model
AEP Model
E Model

Photo: US, Canadian, E model

* This set is equipped with DOLBY FM circuit.
'**Dolby**' and the double-D symbol are the trade marks of Dolby Laboratory Inc. Noise reduction system manufactured under license from Dolby Laboratory Inc.

DOLBY FM

FM STEREO/FM-AM RECEIVER

SPECIFICATIONS

GENERAL

Power Requirements:
120V ac, 60Hz (US, Canadian model)
110, 120, 220 or 240V ac ∿ adjustable, 50/60Hz (AEP, E model)

Power Consumption:
250W (US model)
550VA (Canadian model)
640W (AEP, E model)

AC Outlets:
1 switched 100W } (US, Canadian
1 unswitched 300W } model)

Dimensions:
Approx. 525 (w) x 195 (h) x 450 (d) mm
20½ (w) x 7½ (h) x 17¾ (d) inches
Including projecting parts and controls

Weight:
US, Canadian model
Approx. 21.9kg, 48lb 6oz (net)
Approx. 24.1kg, 53lb 2oz (in shipping carton)
AEP model
Approx. 21.0kg, 46lb 5oz (net)
Approx. 24.4kg, 53lb 13oz (in shipping carton)
E model
Approx. 22.5kg, 49lb 10oz (net)
Approx. 25.9kg, 57lb 2oz (in shipping carton)

FM SECTION

Antenna:
300Ω balanced
75Ω unbalanced

Tuning Range:
87.5MHz–108MHz

Intermediate Frequency:
10.7MHz

Sensitivity at 50dB Quieting:
14.2dBf, 2.8μV (MONO) } (US, Canadian,
37.3dBf, 40μV (STEREO) } E model)

Sensitivity at 46dB Quieting: (40kHz deviation)
16.8dBf, 3.8μV (MONO) } (AEP model)
38.3dBf, 45μV (STEREO) }

Usable Sensitivity:
9.8dBf, 1.7μV; IHF
1.3μV, S/N = 26dB (40kHz deviation) (AEP model)
9.3dBf, 1.6μV (US, Canadian, E model)

S/N Ratio:
75dB (MONO) } (US, Canadian, E model)
70dB (STEREO) }
70dB (MONO) } (AEP model)
65dB (STEREO) }

Harmonic Distortion:
US, Canadian, E model
AEP model (40kHz deviation)

— 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

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	MONO		STEREO	
	NORMAL	NARROW	NORMAL	NARROW
100 Hz	0.08%	0.2%	0.15%	0.4%
1 kHz	0.08%	0.2%	0.15%	0.4%
10 kHz	0.1 %	0.2%	0.3 %	0.6%

IM Distortion: US, Canadian, E model
AEP model (40 kHz deviation)

MONO		STEREO	
NORMAL	NARROW	NORMAL	NARROW
0.08%	0.2%	0.15%	0.4%

Separation:

	NORMAL	NARROW
100 Hz	40 dB	35 dB
1 kHz	48 dB	40 dB
10 kHz	43 dB	37 dB

Frequency Response: 30 Hz–15 kHz $\pm^{0.2}_{1.5}$ dB
40 Hz–12.5 kHz $\pm^{0.2}_{1.0}$ dB (AEP model only)

Selectivity:

	NORMAL	NARROW
300 kHz	30 dB (AEP model)	55 dB (AEP model)
400 kHz	50 dB (US, Canadian, E model) 55 dB (AEP model)	80 dB (US, Canadian, E model) 80 dB (AEP model)

Capture Ratio: 1.0 dB
AM Suppression Ratio: 60 dB
Image Response Ratio: 80 dB
IF Response Ratio: 100 dB
Spurious Response Ratio: 100 dB
RF Intermodulation: 70 dB
Sub-carrier Product Ratio: 60 dB
Muting Threshold: Approx. 5 μV

AM SECTION

Tuning Range: 530 kHz–1,605 kHz
Antenna: Built-in ferrite-rod antenna
External antenna terminal
Intermediate Frequency: 455 kHz (US, Canadian model)
468 kHz (AEP, E model)
Usable Sensitivity: 200 μV/m, built-in ferrite-rod antenna
100 μV, external antenna at 1,000 kHz
S/N Ratio: 50 dB at 50 mV/m
Harmonic Distortion: 0.5% at 50 mV/m, 400 Hz
Selectivity: 40 dB at 10 kHz (US, Canadian model)
35 dB at 10 kHz (AEP, E model)
Image Response Ratio: 40 dB at 1,000 kHz
IF Response Ratio: 40 dB at 1,000 kHz

AUDIO AMPLIFIER SECTION

Power Output and Total Harmonic Distortion: With 8Ω loads, both channels driven, from 20–20,000 Hz; rated 150W per channel minimum RMS power, with no more than 0.07% total harmonic distortion from 250 mW to rated output.
(US, Canadian model)

Continuous RMS Power Output: Less than 0.07% THD, both channels driven simultaneously
at 20 Hz–20 kHz
150 + 150W (8Ω)
at 1 kHz
150 + 150W (8Ω)
according to DIN 45500
150 + 150W (8Ω)
(AEP, E model)

Dynamic Power Output: (IHF constant power supply method) 400W (8Ω) (AEP, E model)

Power Bandwidth: (IHF) 10 Hz–35 kHz (AEP, E model)

Damping Factor: 40 at 1 kHz, 8Ω

Harmonic Distortion: Less than 0.07% at rated output
Less than 0.05% at 1W output (AEP, E model)

IM Distortion: (60 Hz:7 kHz = 4:1) Less than 0.07% at rated output
Less than 0.05% at 1W output

Residual Noise: Less than 0.3 mV (A-network)

Frequency Response:

PHONO 1, 2	RIAA equalization curve ± 0.5 dB
AUX TAPE 1, 2 REC/PB (AEP, E model)	5–50,000 Hz $\pm^{0}_{2}$ dB

Input Sensitivity, Impedance & S/N Ratio:

		Sensitivity	Impedance	S/N	Weighting network
PHONO 1, 2	MM	2.5 mV	50 kΩ	80 dB	A
	MC	0.25 mV	100Ω	65 dB	
AUX TAPE 1, 2 REC/PB (AEP, E model)		150 mV	100 kΩ	100 dB	A

Note: Measured with rated output power into 8Ω loads (both channels driven simultaneously) at 1 kHz.

Output Level and Impedance:

	Voltage	Impedance
REC OUT 1, 2	150 mV	4.7 kΩ
REC/PB (AEP, E model)	40 mV	82 kΩ

Note: With rated input, FM 30% modulation, speaker rated output.

HEADPHONES: Accepts 8–10,000Ω headphones.
SPEAKER: 8–16Ω speakers are suitable.
Tone Controls: BASS ± 10 dB at 100 Hz
TREBLE ± 10 dB at 10 kHz
Filters: HIGH 6 dB/oct. above 9 kHz
LOW 6 dB/oct. below 50 Hz
Loudness Control: (att. 30 dB) +10 dB at 50 Hz
+3 dB at 10 kHz

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SECTION 1
OUTLINE

1-1. SERVICING NOTE

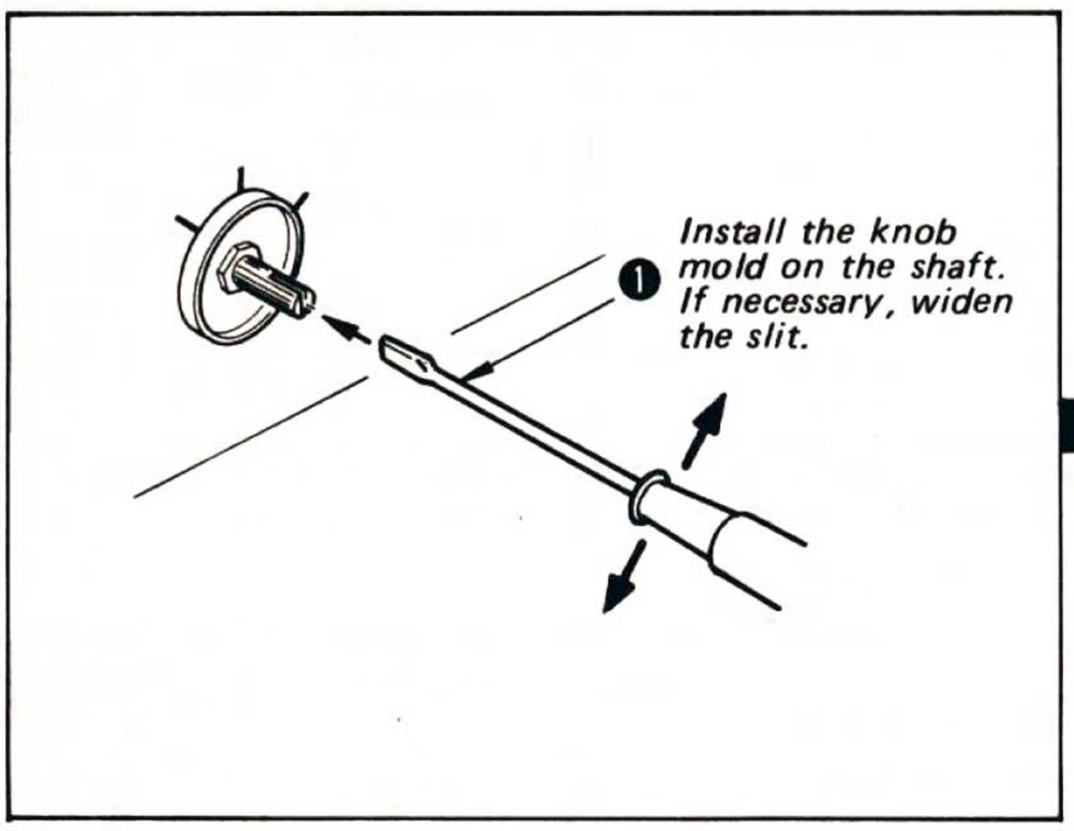
When replacing the SPEAKERS, TAPE, FUNCTION, BASS, TREBLE and BALANCE control knobs, prepare the knob cap and knob mold together. Install the knob as shown below.

Part No.	*Description*
X-4857-434-1	Knob Ass'y, SPEAKERS, TAPE, FUNCTION, BASS, TREBLE, BALANCE

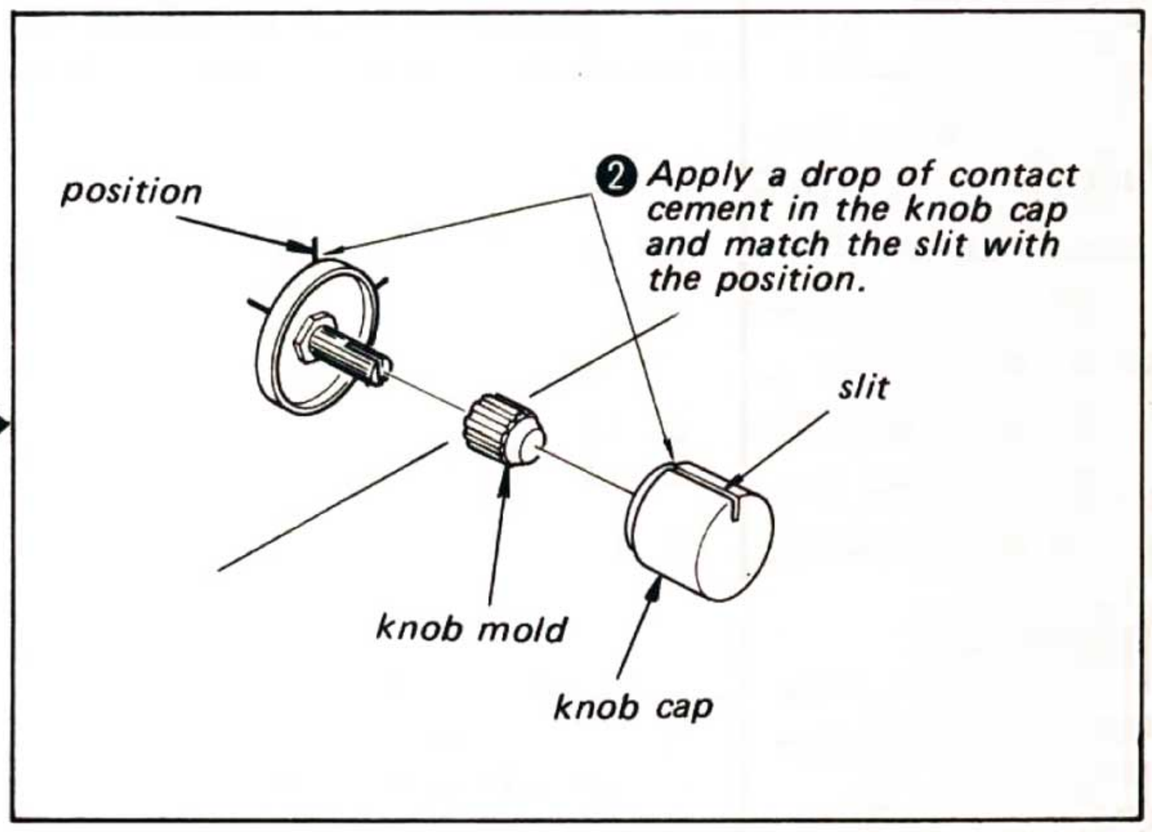
1. Switches and controls should be set as follows.

   SPEAKERS: A
   BASS: 0
   TREBLE: 0
   BALANCE: center detent position
   TAPE: SOURCE
   FUNCTION: FM

2.



3.



MODEL IDENTIFICATION

— Specification Labels —

US model

SONY®
FM STEREO/FM-AM RECEIVER
MODEL NO. STR-V7
FREQ. RANGE : FM 87.5-108MHz AM 530-1605kHz
IF : FM 10.7MHz AM 455 kHz
AC 120V 60Hz 250W
SERIAL NO. MADE IN JAPAN
CERTIFICATION : DESIGN CERTIFIED AS COMPLYING WITH F.C.C. RULES PART 15, IN EFFECT AS OF DATE OF MANUFACTURE.

AEP, E model

SONY®
FM STEREO / FM-AM RECEIVER
MODEL NO. STR-V7
FREQ. RANCE : FM 87.5-108MHz AM 530-1605kHz
IF : FM 10.7MHz AM 468kHz
AC 110. 120. 220. 240V~ 50/60Hz 640 W
SERIAL NO.
FTZ-PRÜFNUMMER U185
MADE IN JAPAN

Canadian model

SONY®
FM STEREO/FM-AM RECEIVER
MODEL NO. STR-V7
FREQ. RANGE : FM 87.5-108MHz AM 530-1605kHz
IF : FM 10.7MHz AM 455 kHz
AC 120V 60Hz 550 VA
SERIAL NO.
MADE IN JAPAN

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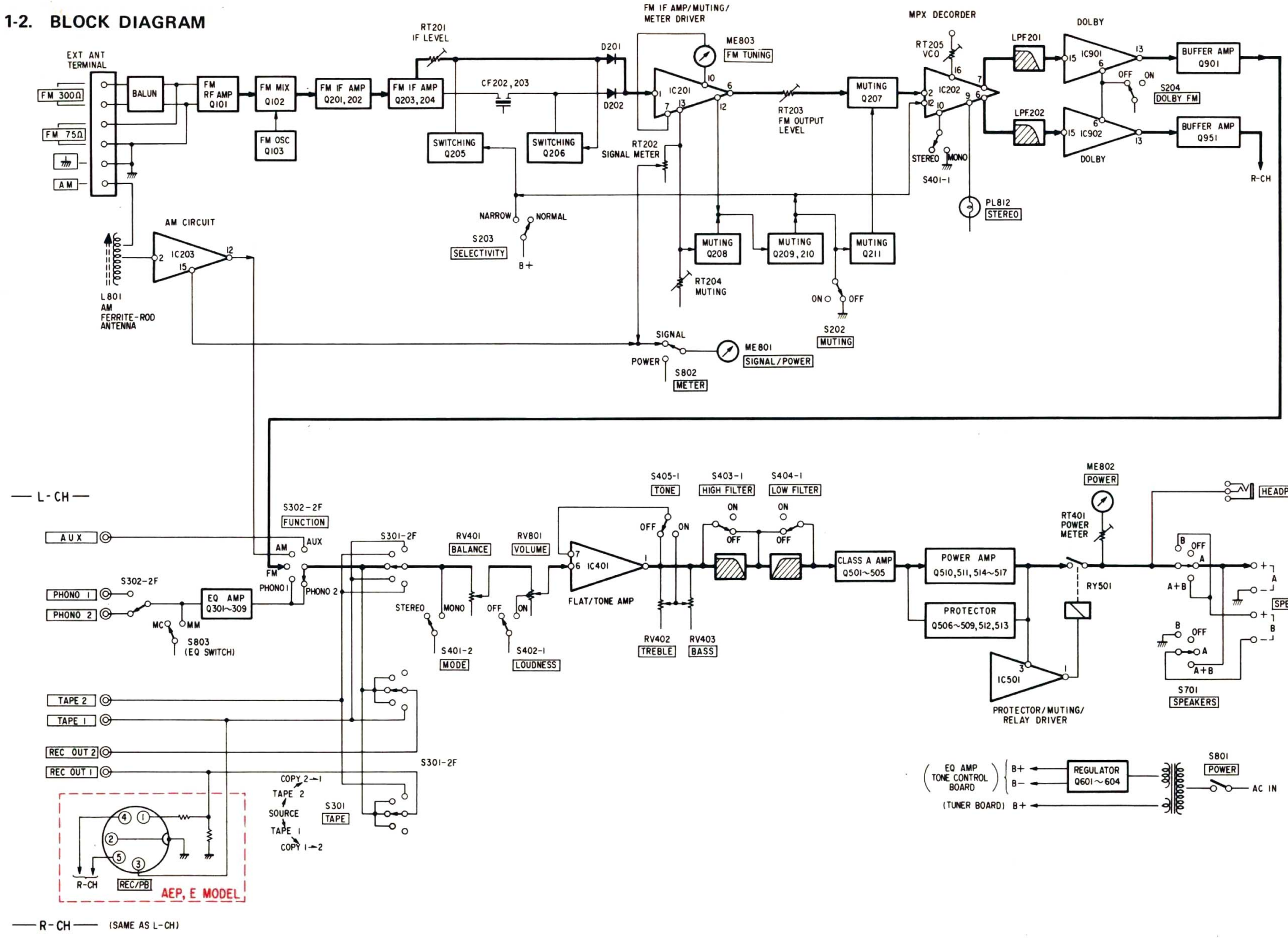
1-2. BLOCK DIAGRAM



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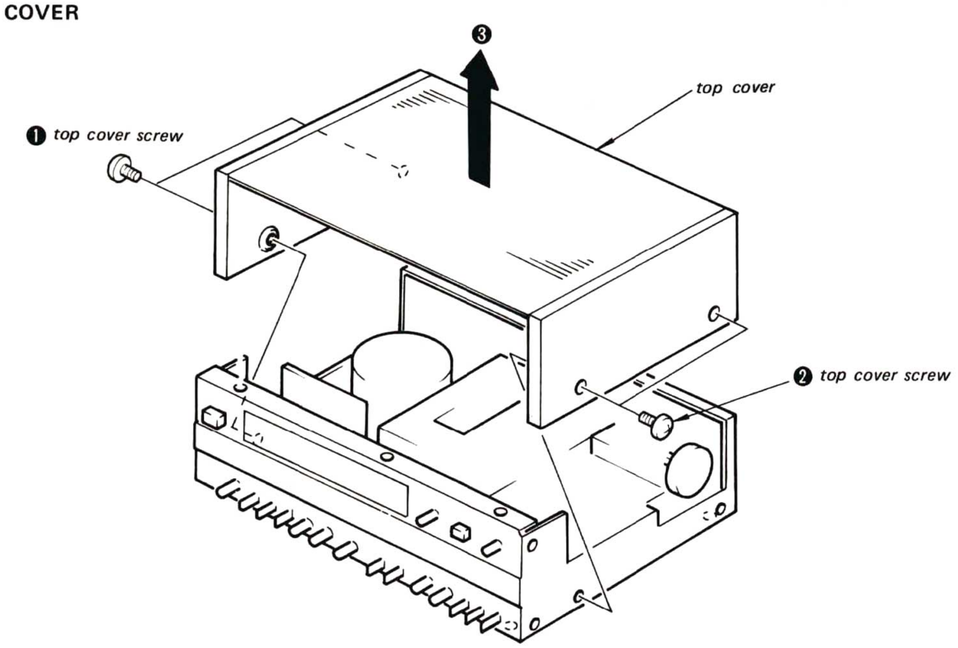
SECTION 2
DISASSEMBLY

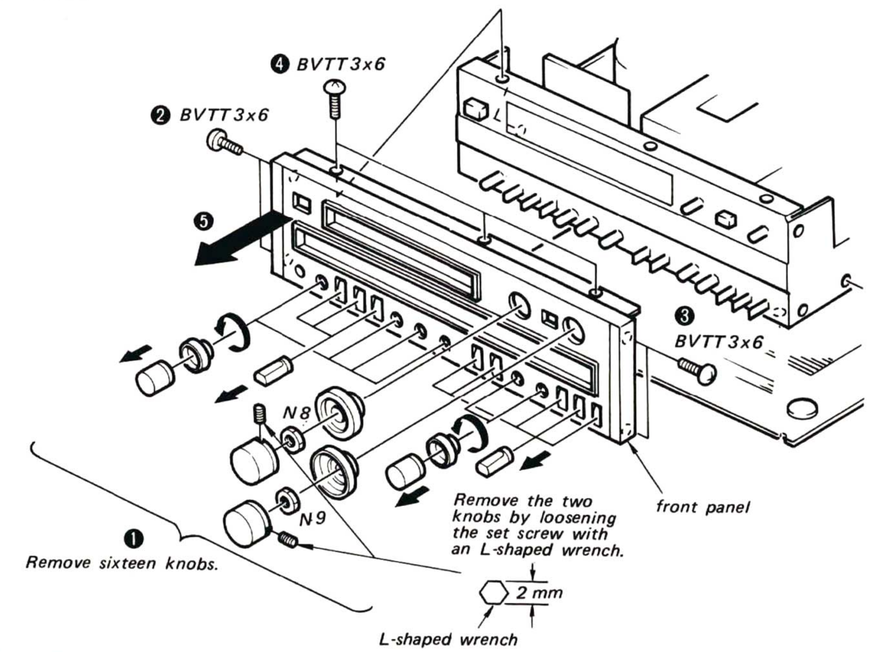
2-1. REMOVAL

Note: Follow the disassembly procedure in the numerical order given.

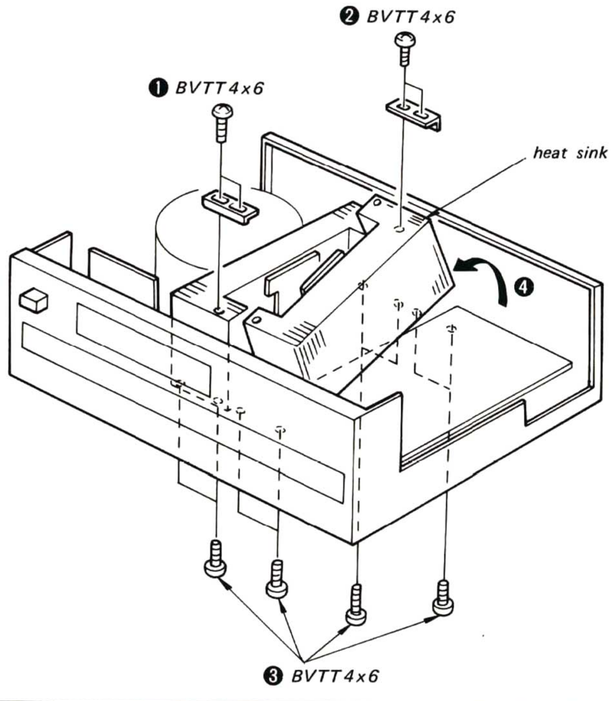
TOP COVER



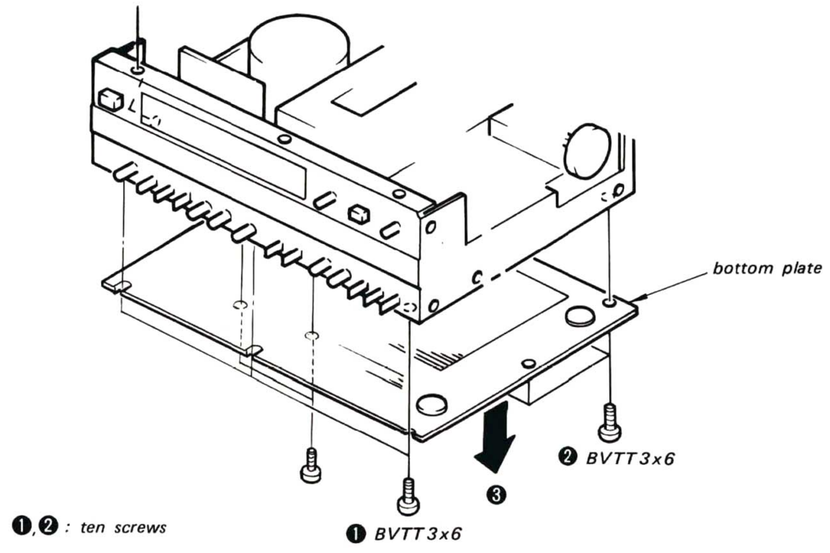
FRONT PANEL



HEAT SINK

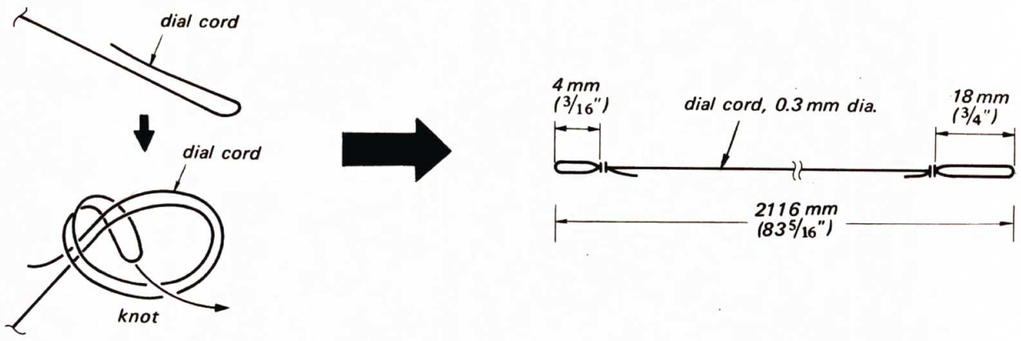


BOTTOM PLATE

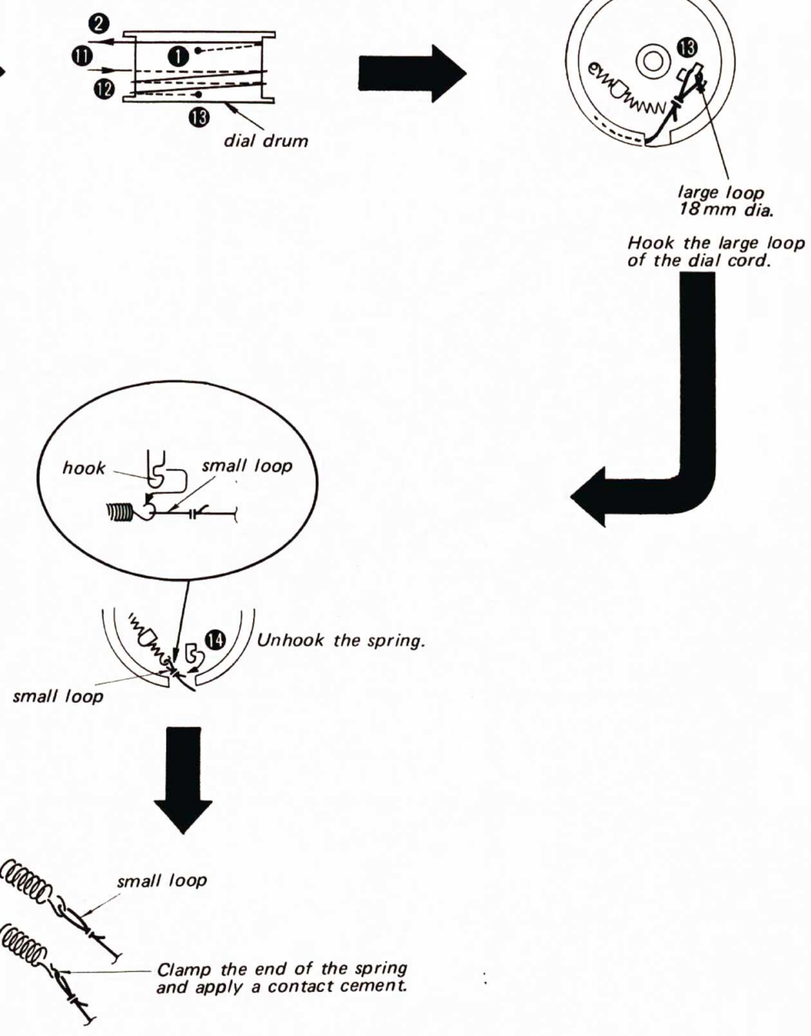


2-2. DIAL CORD STRINGING

1) Dial Cord Length



2) Dial Cord Stringing



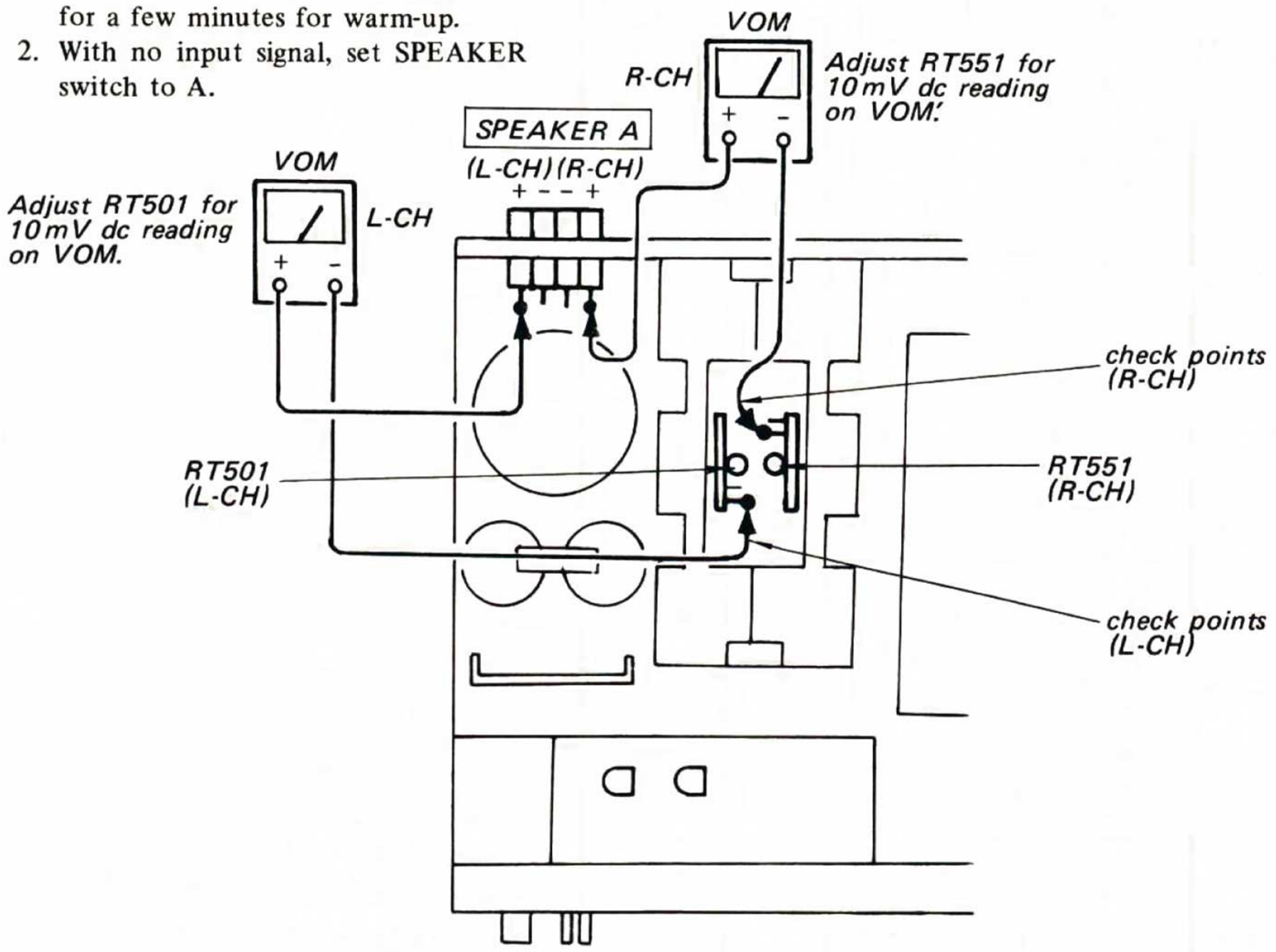
3) Dial Pointer Setting

1. Tune the receiver to a station of known frequency and set the dial pointer to the frequency on the dial scale.
2. Apply a drop of contact cement to the dial pointer.

SECTION 3
ADJUSTMENT

DC Bias Adjustment

Note: 1. Turn on the POWER switch and wait for a few minutes for warm-up.
2. With no input signal, set SPEAKER switch to A.



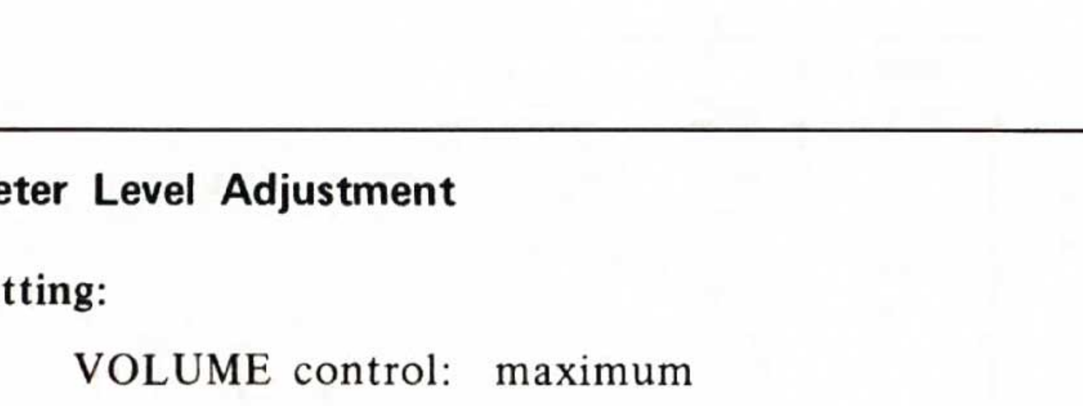
Meter Level Adjustment

Setting:

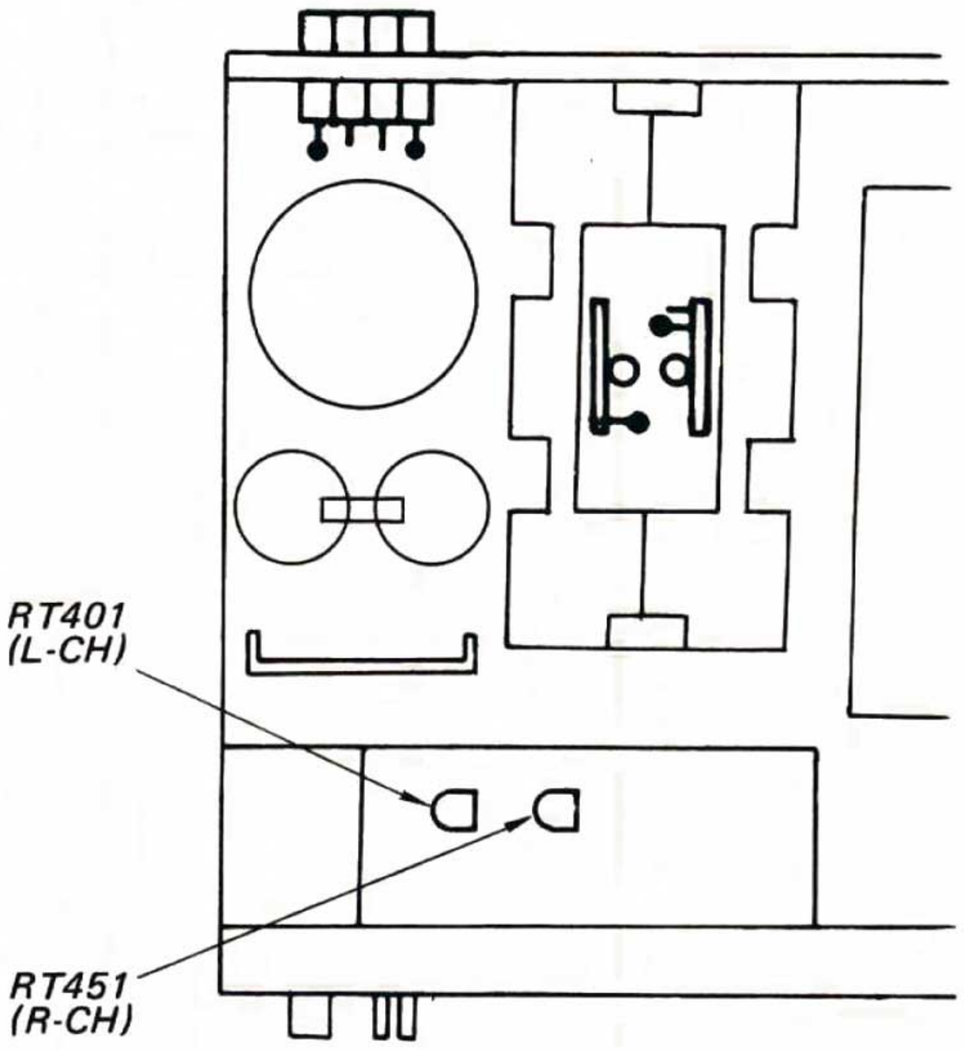
VOLUME control: maximum

Procedure:

1.



2. Adjust attenuator for 2.83V reading on VTVM.
3. Adjust RT401 (L-CH) and RT451 (R-CH) so that POWER meter indicates 1W.



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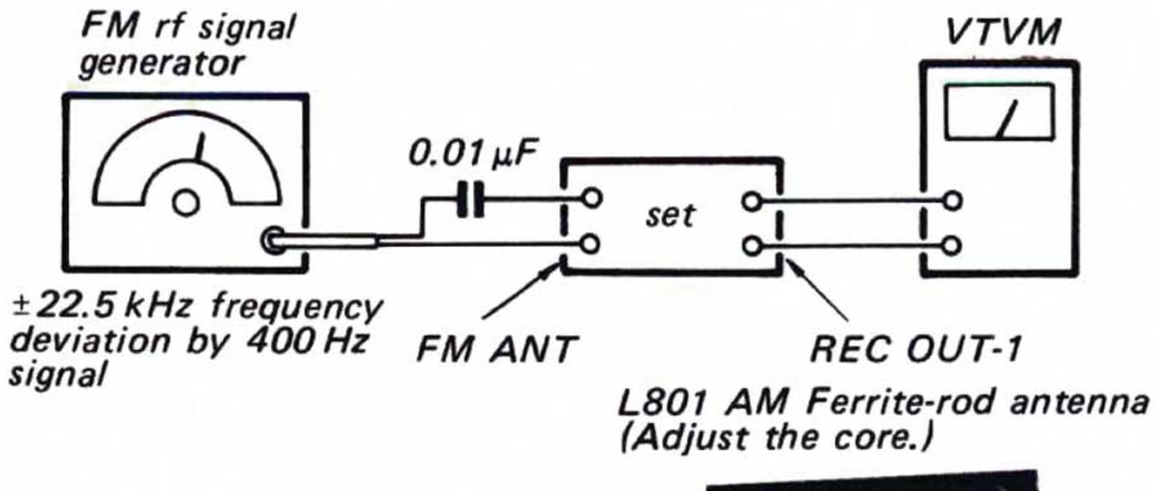
FM Frequency Coverage and Tracking Adjustment

Test Setup:

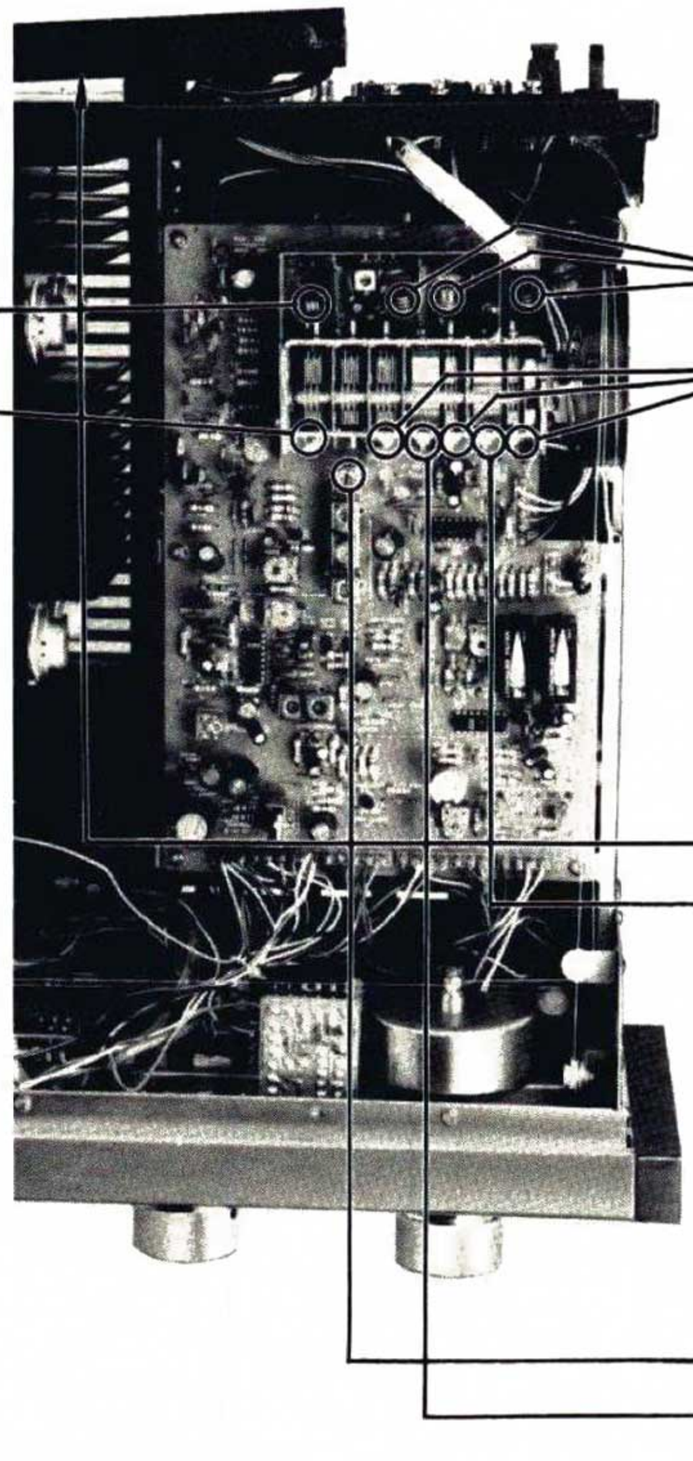
FUNCTION selector: FM



Note: Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
87.2 MHz (87.5 MHz)	L105
108.4 MHz (108.0 MHz)	CT104

( ): in West Germany



FM TRACKING ADJUSTMENT Adjust for a maximum reading on VTVM.	
L101–103	87.2 MHz (87.5 MHz)
CT101–103	108.4 MHz (108.0 MHz)

( ): in West Germany

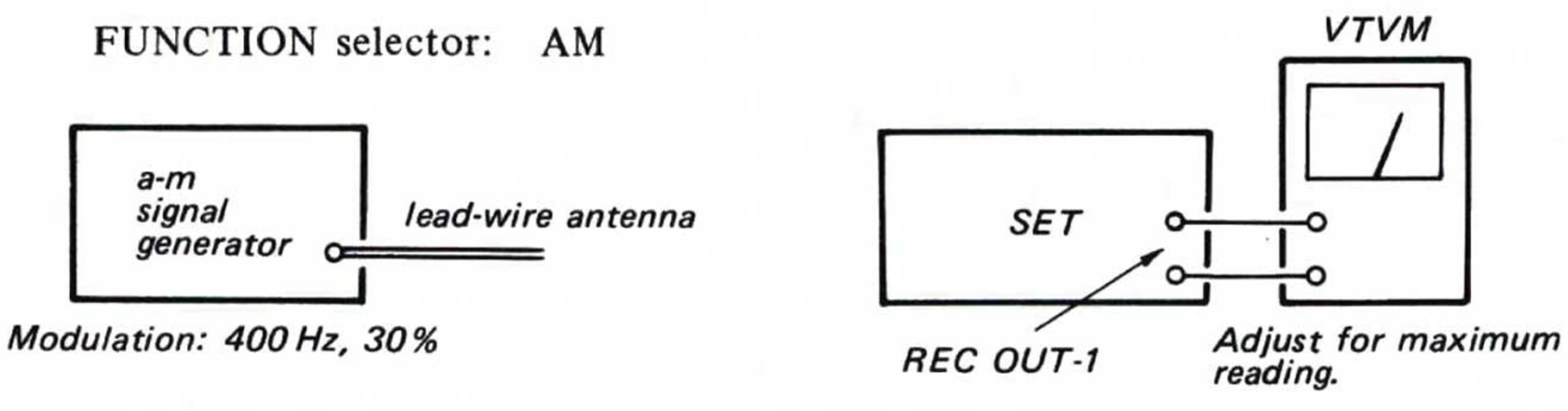
Step	AM TRACKING ADJUSTMENT	
1	L801	600 kHz
2	CT201	1,400 kHz

Step	AM FREQUENCY COVERAGE ADJUSTMENT	
1	T201	520 kHz
2	CT202	1,680 kHz

AM Frequency Coverage and Tracking Adjustment

Test Setup:

FUNCTION selector: AM



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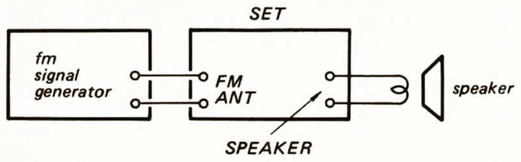
Muting Level Adjustment

Setup:

FUNCTION selector: FM
MUTING switch: ON



FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	400 Hz, 75 kHz deviation (100%)

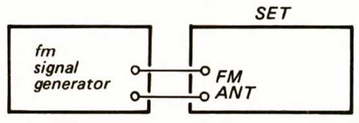
Procedure:

1. Set the output level of the fm signal generator to 12μV (23 dB).
2. Adjust RT204 for the point that the sound just disappears.

Signal Meter Adjustment

Setup:

FUNCTION selector: FM

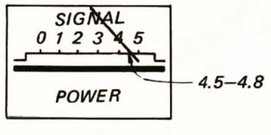


FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	no modulation
Output level:	1 mV (60 dB)

Procedure:

Tune the set to 98 MHz and adjust RT202 for specified pointer position (See figure below.) on the SIGNAL meter.

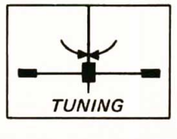


FM Discriminator Alignment

Procedure:

FUNCTION selector: FM

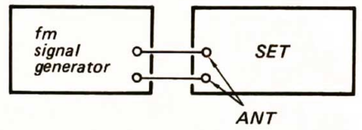
1. Detune the set.
2. Adjust the primary-side core of IFT201 for zero center on the FM TUNING meter.



FM Bandwidth Selection (NORMAL) Gain Adjustment

Setup:

FUNCTION switch: FM

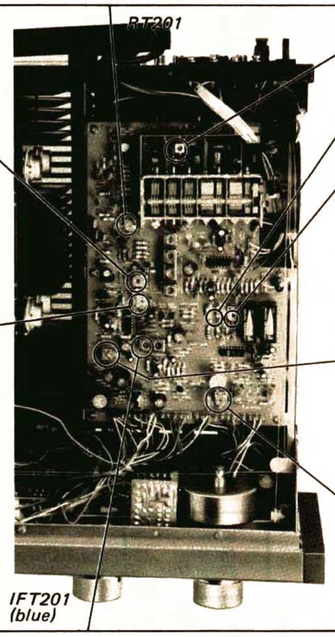


FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	400 Hz, 75 kHz deviation (100%)
Output level:	32μV (30 dB)

Procedure:

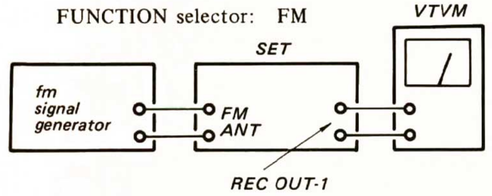
1. Set the SELECTIVITY switch to NARROW.
2. Tune the set to 98 MHz.
3. Memorize a signal meter reading.
4. Set the SELECTIVITY switch to NORMAL.
5. Adjust RT201 for the same signal meter reading as in step 3.



FM IF Alignment

Setup:

FUNCTION selector: FM



FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	400 Hz, 75 kHz deviation (100%)
Output level:	12μV (23 dB)

Procedure:

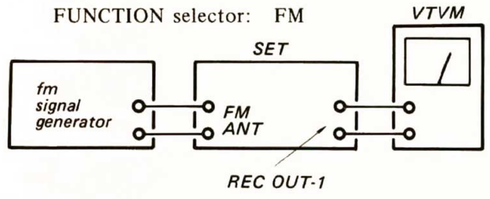
Tune the set to 98 MHz and adjust IFT101 for maximum reading on the VTVM.

IFT101

FM Output Level Adjustment

Setup:

FUNCTION selector: FM



FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	400 Hz, 75 kHz deviation (100%)
Output level:	1 mV (60 dB)

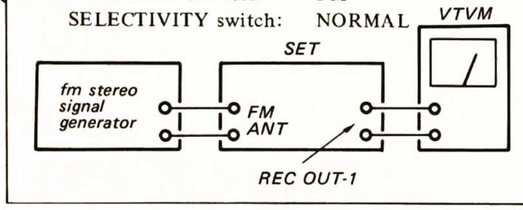
Procedure:

Adjust RT203 for 0.5 V (−4 dB) on the VTVM.

FM Stereo Separation Adjustment

Setup:

FUNCTION selector: FM
SELECTIVITY switch: NORMAL

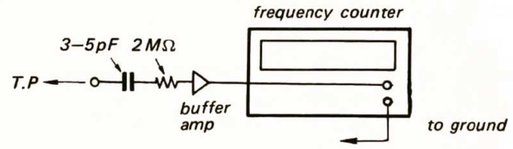


RT206

MPX Adjustment

Setup:

FUNCTION selector: FM



FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	no modulation
Output level:	1 mV (60 dB)

Procedure:

Adjust RT205 for 76 kHz ± 100 Hz on the counter.

Note: Perform this adjustment after the power switch turned ON and one minute passed.

RT205

FM Stereo Signal Generator Setting:

Carrier frequency:	98 MHz
Output level:	1 mV (60 dB)
Mode:	Stereo
Audio (400 Hz) mod.:	67.5 kHz (90%)
Pilot (19 kHz) mod.:	7.5 kHz (10%)

Procedure:

FM stereo signal generator modulated channel	VTVM connection	VTVM reading
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RT206 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RT206 for minimum reading.

Stereo separation: Ⓐ − Ⓑ, Ⓒ − Ⓓ.

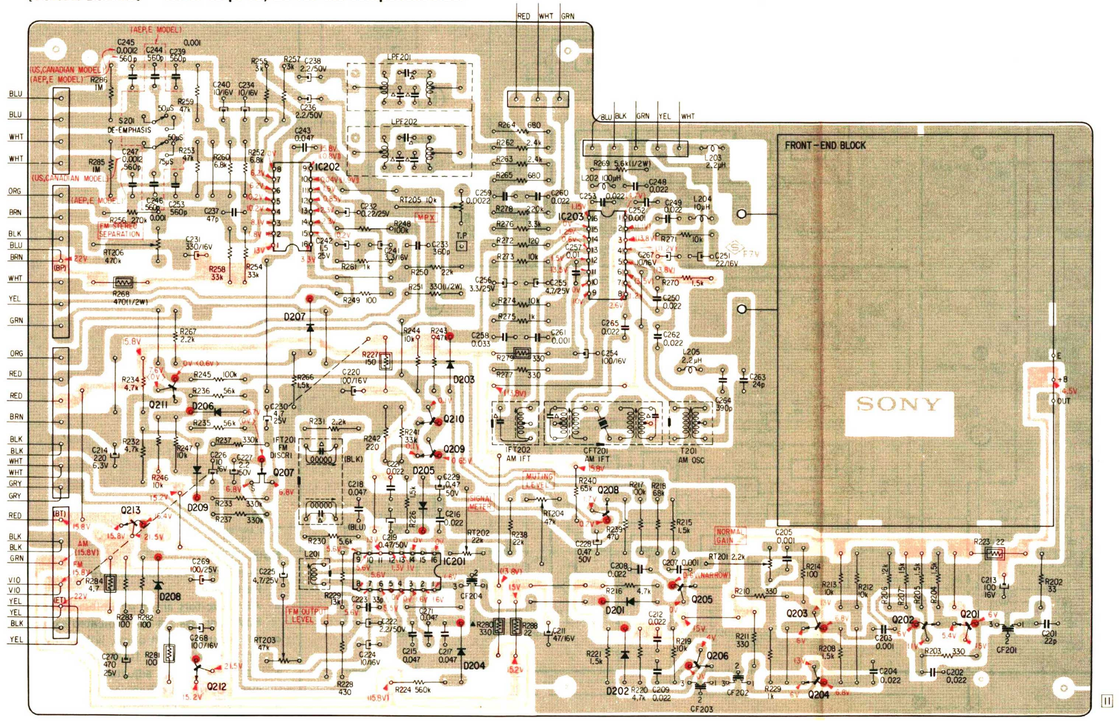
The difference of the separations Ⓐ − Ⓑ and Ⓒ − Ⓓ should be within 3 dB.

SECTION 4
DIAGRAMS

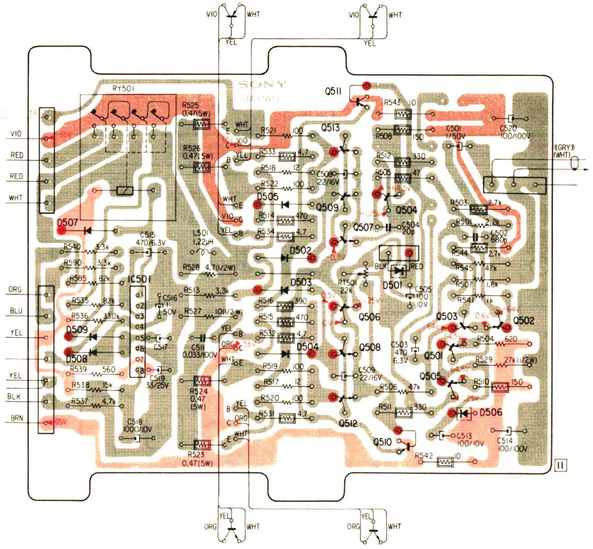
4-1. MOUNTING DIAGRAM — Tuner, Power Amp (L-CH) and Power Amp (R-CH) Board —

— Conductor Side —

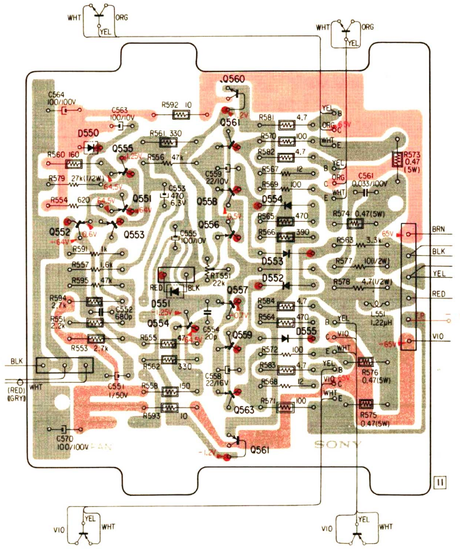
[TUNER BOARD] Refer to p. 19, 20 for the component side.



[POWER AMP BOARD (L-CH)] Refer to p. 24, 25 for the component side.



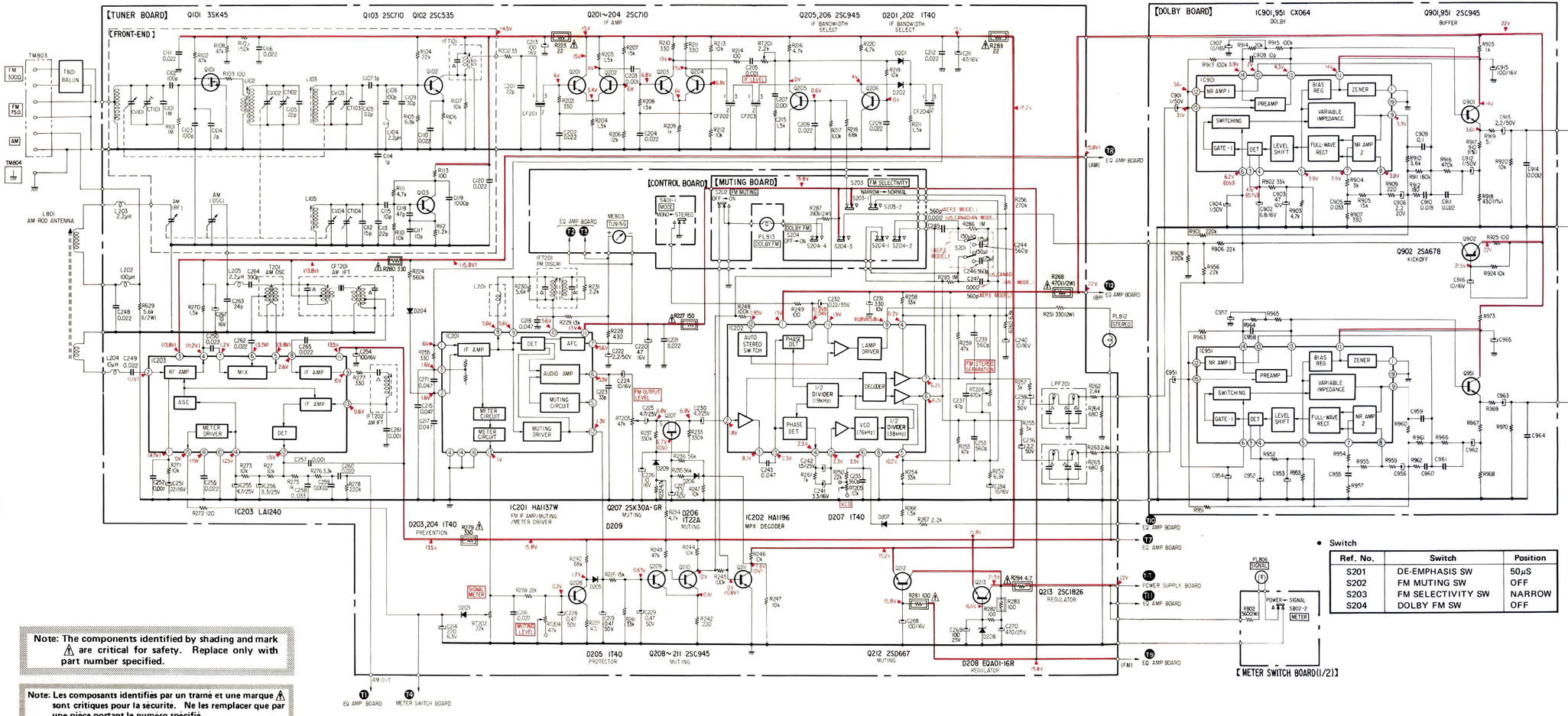
[POWER AMP BOARD (R-CH)]



Note:

- : indicates side identified with part number.
- : B+ pattern.
- : B- pattern.
- Readings are taken under no signal (detuned) conditions with a VOM (20 kΩ/V).
  ( ) : AM (Detuned)
  (( )) : FM STEREO
  〈 〉 : FM MUTING (S202)–ON

4-2. SCHEMATIC DIAGRAM — TUNER Section —



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

Note: Les composants identifies par un tramé et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une pièce portant le numero spécifié.

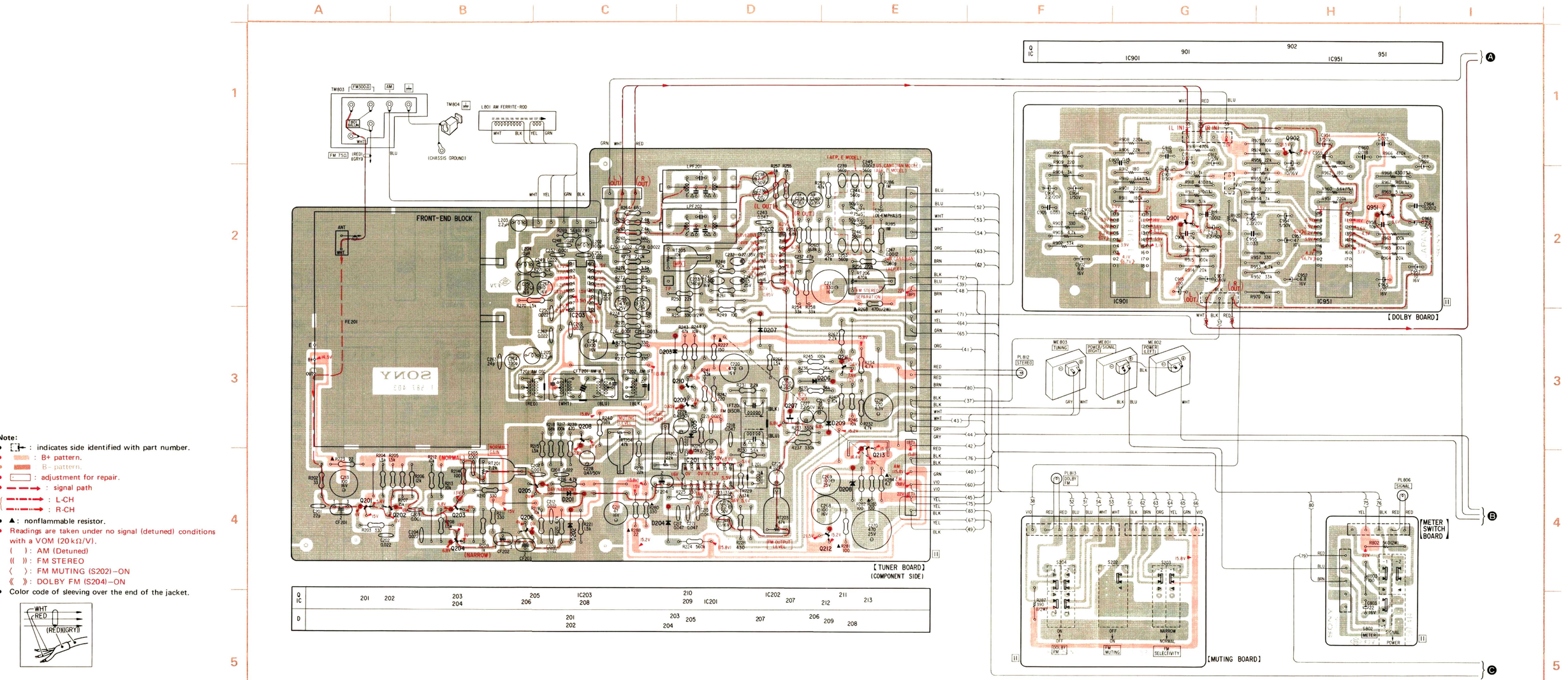
Note:

- Tuner reference numbers are not included in the Electrical Parts List.
- All capacitors are in μF unless otherwise noted. pF = μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼W unless otherwise noted. kΩ = 1000Ω, MΩ = 1000 kΩ
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⚠: nonflammable resistor.
- 1% indicates component tolerance.
- △: internal component.
- ———: B+ bus.
- – – –: B- bus.
- ▭: panel designation.
- ▭: adjustment for repair.
- ⏚: direct connection to points marked ⏚ on the chassis.
- ⏚: chassis ground.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no signal (detuned) conditions with a VOM (20kΩ/V).
  - ( ): AM (Detuned)
  - (( )): FM STEREO
  - 〈 〉: FM MUTING (S202)—ON
  - 《 》: DOLBY FM (S204)—ON

- Switch

Ref. No.	Switch	Position
S201	DE-EMPHASIS SW	50μS
S202	FM MUTING SW	OFF
S203	FM SELECTIVITY SW	NARROW
S204	DOLBY FM SW	OFF

4-3. MOUNTING DIAGRAM — Tuner, Dolby, Muting and Meter Switch Board —



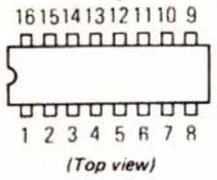
Note:

- [ ] : indicates side identified with part number.
- : B+ pattern.
- : B- pattern.
- : adjustment for repair.
- : signal path
- : L-CH
- : R-CH
- ▲ : nonflammable resistor.
- Readings are taken under no signal (detuned) conditions with a VOM (20 kΩ/V).
  ( ) : AM (Detuned)
  (( )) : FM STEREO
  〈 〉 : FM MUTING (S202)—ON
  《 》 : DOLBY FM (S204)—ON
- Color code of sleeving over the end of the jacket.

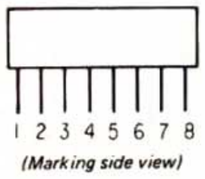
Replacement Semiconductors

For replacement, use semiconductors except in ( ).

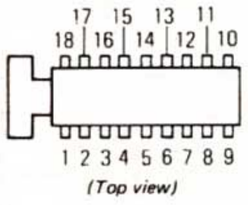
IC201: HA1137W
IC202: HA1196
IC203: LA1240



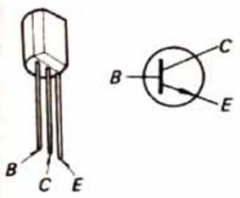
IC401, 451: HA1457
IC501: HA12002



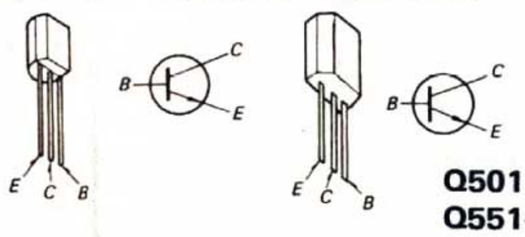
IC901, 951: CX064



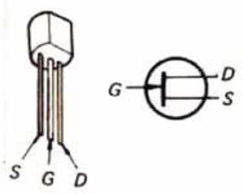
Q201–204: 2SC710



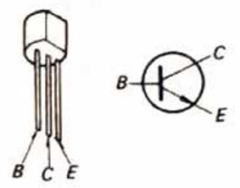
Q205, 206: 2SC1364 (2SC945)
Q208–211: 2SC1364 (2SC945)



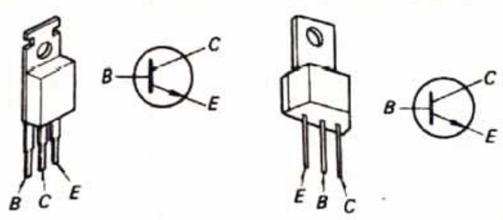
Q207: 2SK30A-GR



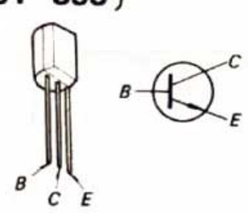
Q212: 2SD667



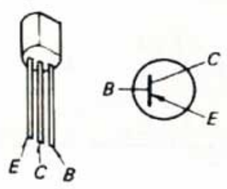
Q213: 2SD476A (2SC1826)



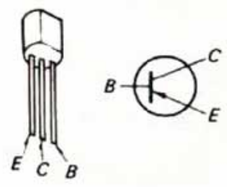
Q301–303, Q351–353: 2SC2129



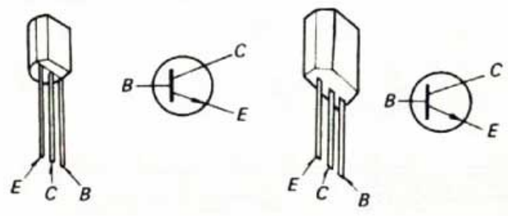
Q305, 355: 2SA872



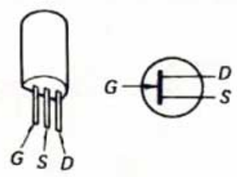
Q306, 356: 2SB646



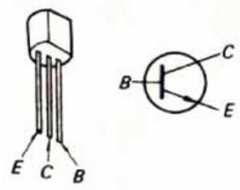
Q307, 357: 2SC1364 (2SC634A)



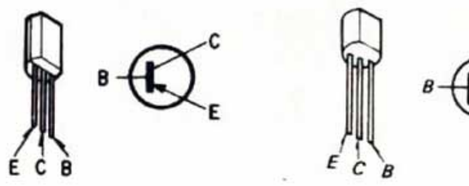
Q308, 358: 2SK43



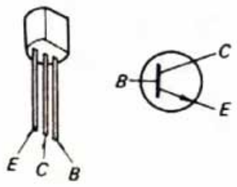
Q309, 359: 2SB666



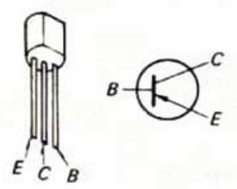
Q501–503, Q551–553: 2SA872 (2SA893)



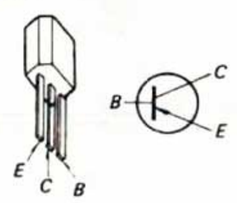
Q504, 554: 2SC1811



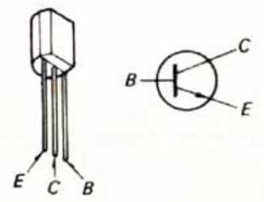
Q505, 555: 2SA896



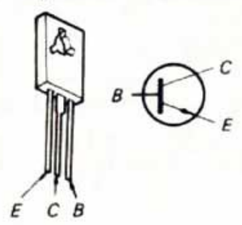
Q506, 509, Q513, 556, Q559, 563: 2SA678 (2SA844)



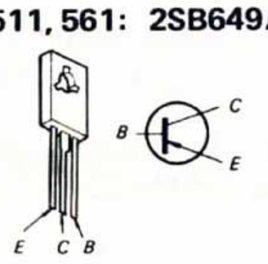
Q507, 508, Q512, 557, Q558, 562: 2SC1364 (2SC634A)



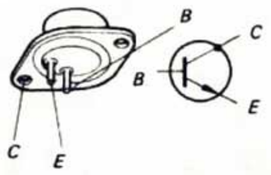
Q510, 560: 2SD669A



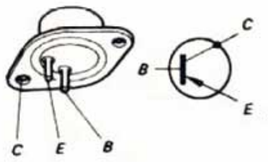
Q511, 561: 2SB649A



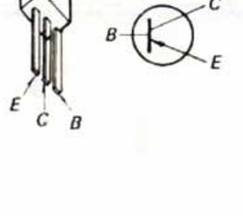
Q514, 516, Q564, 566: 2SD676



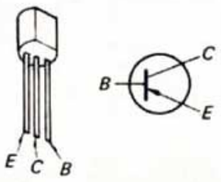
Q515, 517, Q565, 567: 2SB656



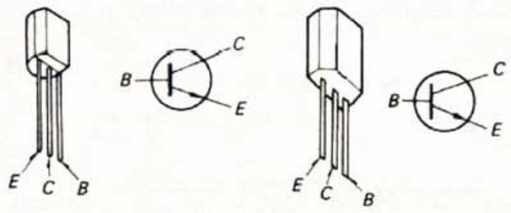
Q601: 2SD667



Q602: 2SB647

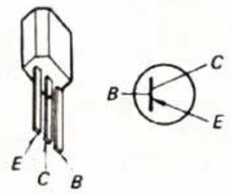


Q603: 2SC1364 (2SC634A)

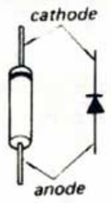


Q604: 2SA678

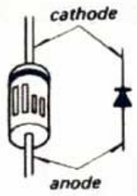
Q902: 2SC678



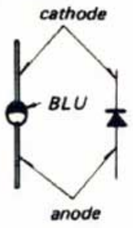
D201–205, D207: 1S1555 (1T40)
D206: 1T22AM (1T22A)



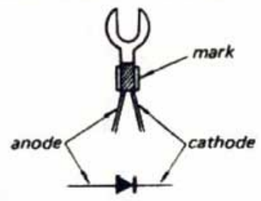
D208: EQB01-16 (EQA01-16R)



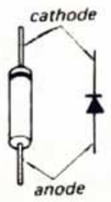
D301, 351: MV12N



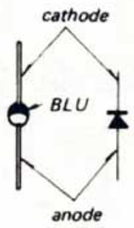
D501, 551: SV04S



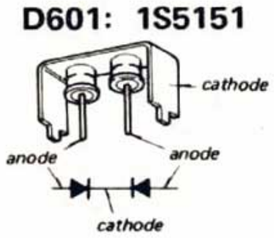
D502–505, D507–509, D552–555, D606: 1S555 (1T40)



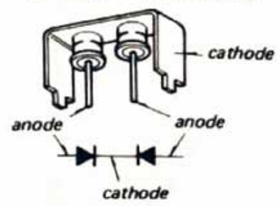
D506: MV12N



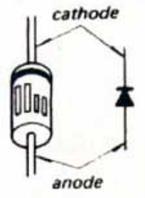
D601: 1S5151



D602: S5151R

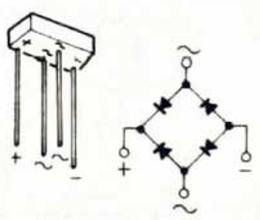


D603, 604: EQB01-26

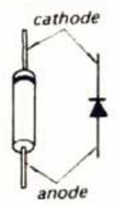


D605: EQA01-10 (EQA01-10R)

D607: SIRB10



D701, 751, D702, 752: 1T22AM (1T22A)



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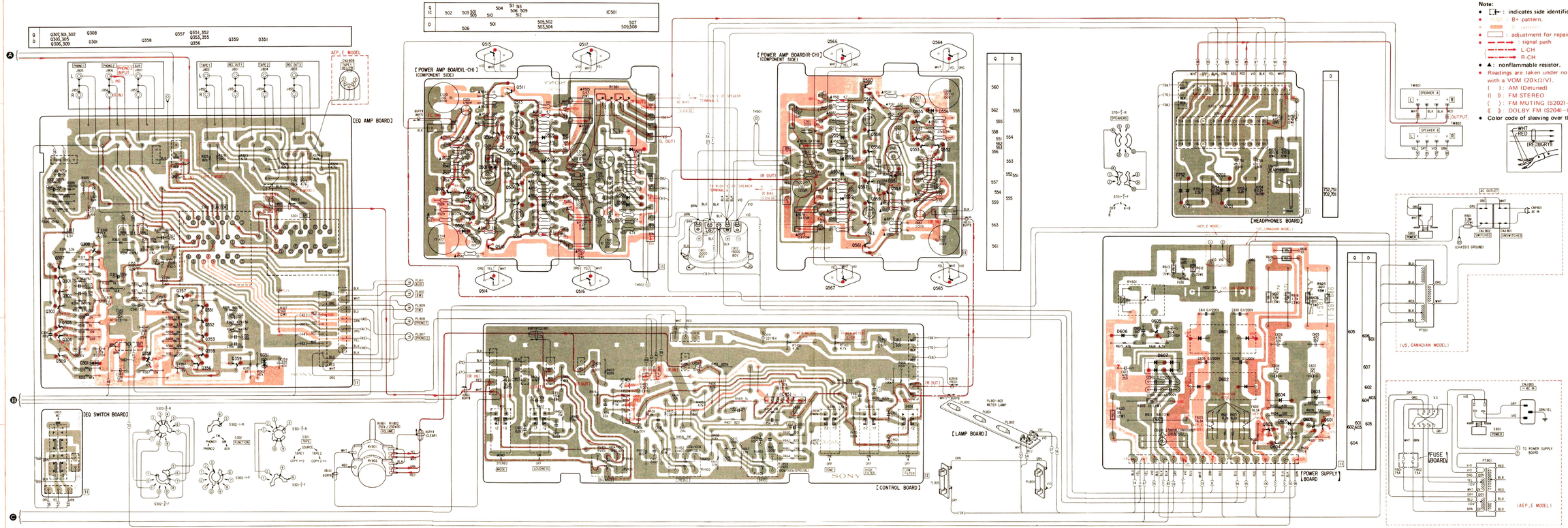
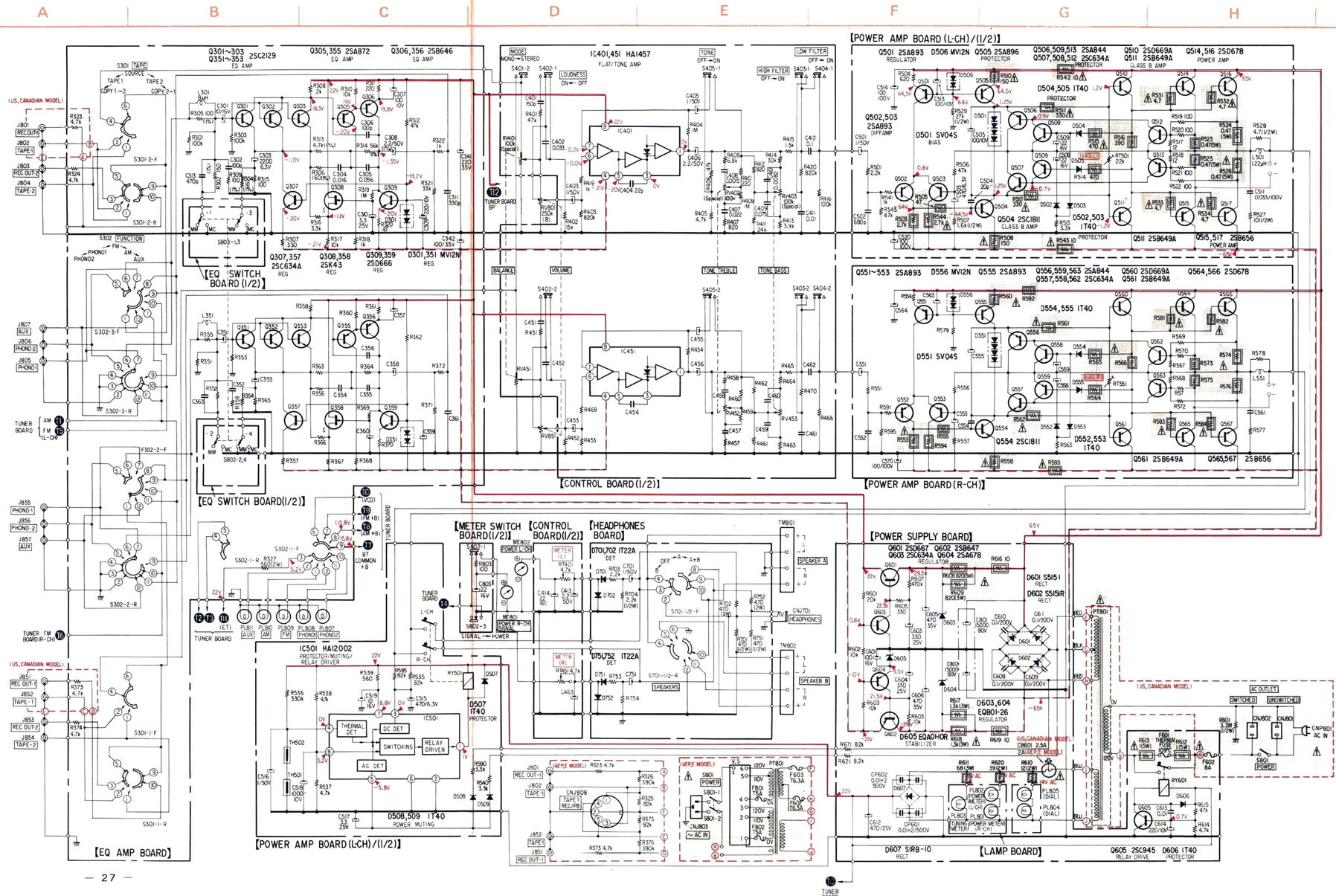
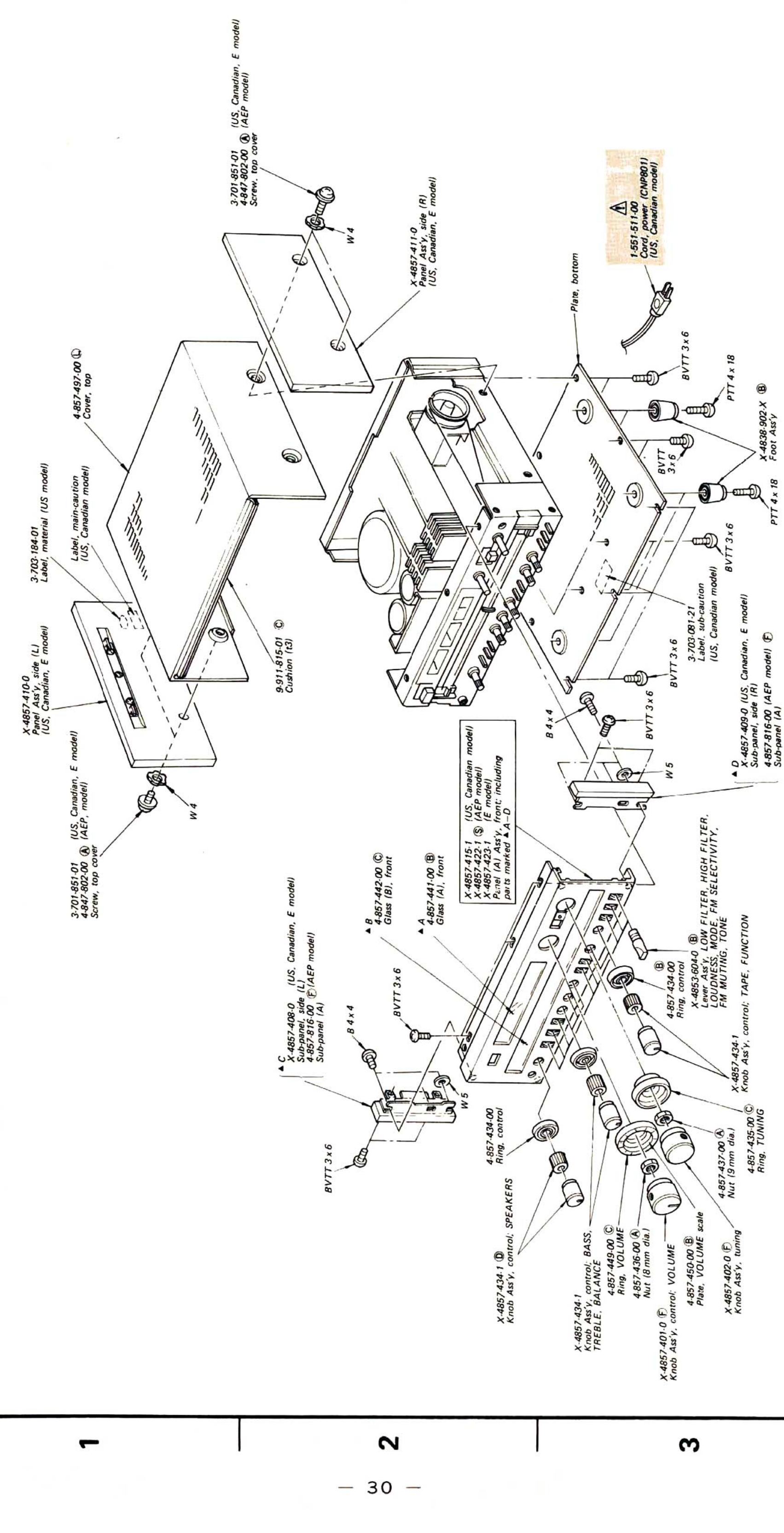

[EQ AMP BOARD]
[EQ SWITCH BOARD]
[POWER AMP BOARD(L-CH)]
[POWER AMP BOARD(R-CH)]
[CONTROL BOARD]
[LAMP BOARD]
[HEADPHONES BOARD]
[POWER SUPPLY BOARD]
[FUSE BOARD]
AEP, E MODEL
(US, CANADIAN MODEL)
Note:
: indicates side identified with part number.
: B+ pattern.
: adjustment for repair.
: signal path
: L-CH
: R-CH
▲: nonflammable resistor.
Readings are taken under no signal (detuned) conditions with a VOM (20kΩ/V).
( ) : AM (Detuned)
(( )) : FM STEREO
( ) : FM MUTING (S202)–ON
(( )) : DOLBY FM (S204)–ON
Color code of sleeving over the end of the jacket.


[POWER AMP BOARD (L-CH)/(1/2)]
[POWER AMP BOARD (R-CH)]
[EQ SWITCH BOARD (1/2)]
[CONTROL BOARD (1/2)]
[EQ SWITCH BOARD(I/2)]
[METER SWITCH BOARD(I/2)]
[CONTROL BOARD(I/2)]
[HEADPHONES BOARD]
[POWER SUPPLY BOARD]
[EQ AMP BOARD]
[POWER AMP BOARD (L-CH)/(1/2)]
[LAMP BOARD]
IC401,451 HA1457
FLAT/TONE AMP
IC501 HA12002
PROTECTOR/MUTING/
RELAY DRIVER
Q301~303 Q351~353 2SC2129
EQ AMP
Q305,355 2SA872
EQ AMP
Q306,356 2SB646
EQ AMP
Q307,357 2SC634A
REG
Q308,358 2SK43
REG
Q309,359 2SD666
REG
D301,351 MVI2N
REG
Q501 2SA893
REGULATOR
D506 MVI2N
Q505 2SA896
PROTECTOR
Q506,509,513 2SA844
Q507,508,512 2SC634A
PROTECTOR
Q510 2SD669A
Q511 2SB649A
CLASS B AMP
Q514,516 2SD678
POWER AMP
Q502,503 2SA893
DIFF AMP
D501 SV04S
BIAS
Q504 2SC1811
CLASS B AMP
Q502,503 IT40
PROTECTOR
Q511 2SB649A
Q515,517 2SB656
POWER AMP
Q551~553 2SA893
D556 MVI2N
Q555 2SA893
Q556,559,563 2SA844
Q557,558,562 2SC634A
Q560 2SD669A
Q561 2SB649A
Q564,566 2SD678
D554,555 IT40
D551 SV04S
Q554 2SC1811
Q552,553 IT40
Q561 2SB649A
Q565,567 2SB656
Q601 2SD667 Q602 2SB647
Q603 2SC634A Q604 2SA678
REGULATOR
D601 S5151
RECT
D602 S5151R
RECT
D603,604 EQB01-26
REGULATOR
D605 EQA01HOR
STABILIZER
D607 SIRB-10
RECT
Q605 2SC945
RELAY DRIVE
D606 IT40
PROTECTOR
D504,505 IT40
PROTECTOR
D502,503 IT40
PROTECTOR
D507 IT40
PROTECTOR
D508,509 IT40
POWER MUTING
D0701,702 IT22A
DET
D0751,752 IT22A
DET
(US,CANADIAN MODEL)
(AEP,E MODEL)
TUNER BOARD
SPEAKERS
SPEAKER A
SPEAKER B
HEADPHONES
AC OUTLET
SWITCHED
UNSWITCHED
POWER
AC IN
TAPE SOURCE
TAPE 1
TAPE 2
COPY 1→2
COPY 2→1
FUNCTION
PHONO1
PHONO2
AUX
FM
AM
TUNER BOARD
AM
FM
(L-CH)
TUNER FM
BOARD(R-CH)
(ET)
MODE
MONO→STEREO
LOUDNESS
ON→OFF
TONE
OFF→ON
LOW FILTER
OFF→ON
HIGH FILTER
OFF→ON
BALANCE
VOLUME
TONE TREBLE
TONE BASS
METER SW
SIGNAL→POWER
POWER L-CH
POWER R-CH
SIGNAL
METER
(R)
(L)
MM
MC
THERMAL DET
DC DET
SWITCHING
RELAY DRIVER
AC DET
REC/PB
REC OUT-1
REC OUT-2
TAPE-1
TAPE-2
POWER
AC IN
SWITCHED
UNSWITCHED
FUSE
THERMAL FUSE
PTB01
PLB01 POWER METER
PLB02 POWER METER (L-CH)
PLB03 TUNING POWER METER
PLB04 (DIAL)
PLB05 (DIAL)
PLB06 POWER METER (R-CH)
PLB07 PHONO2
PLB08 PHONO1
PLB09 FM
PLB10 AM
PLB11 AUX
PTB01
CNJ801
CNJ802
CNJ803
CNJ804
CNJ805
CNJ806
CNJ807
CNJ808
CNP801
CNP802
F601 T6.3A
F602 8A
F603 T6.3A
F604 T6.3A
F605 T6.3A
F606 T6.3A
F801 T6.3A
F802 T6.3A
RY501
RY601
S301 TAPE SW
S302 FUNCTION SW
S401 MODE SW
S402 LOUDNESS SW
S403 HIGH-FILTER SW
S404 LOW-FILTER SW
S405 TONE SW
S701 SPEAKERS SW
S801 POWER SW
S802 METER SW
S803 equalizer SW
TM801
TM802
VR401 100k (Special)
VR403 100k (Special)
VR451 100k (Special)
VR453 100k (Special)
VR501 250k (B)
VR801 250k (B)
VR802 250k (B)
VR803 250k (B)
VR804 250k (B)
VR805 250k (B)
VR806 250k (B)
VR807 250k (B)
VR808 250k (B)
VR809 250k (B)
VR810 250k (B)
VR811 250k (B)
VR812 250k (B)
VR813 250k (B)

SECTION 5
EXPLODED VIEWS



Note:

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

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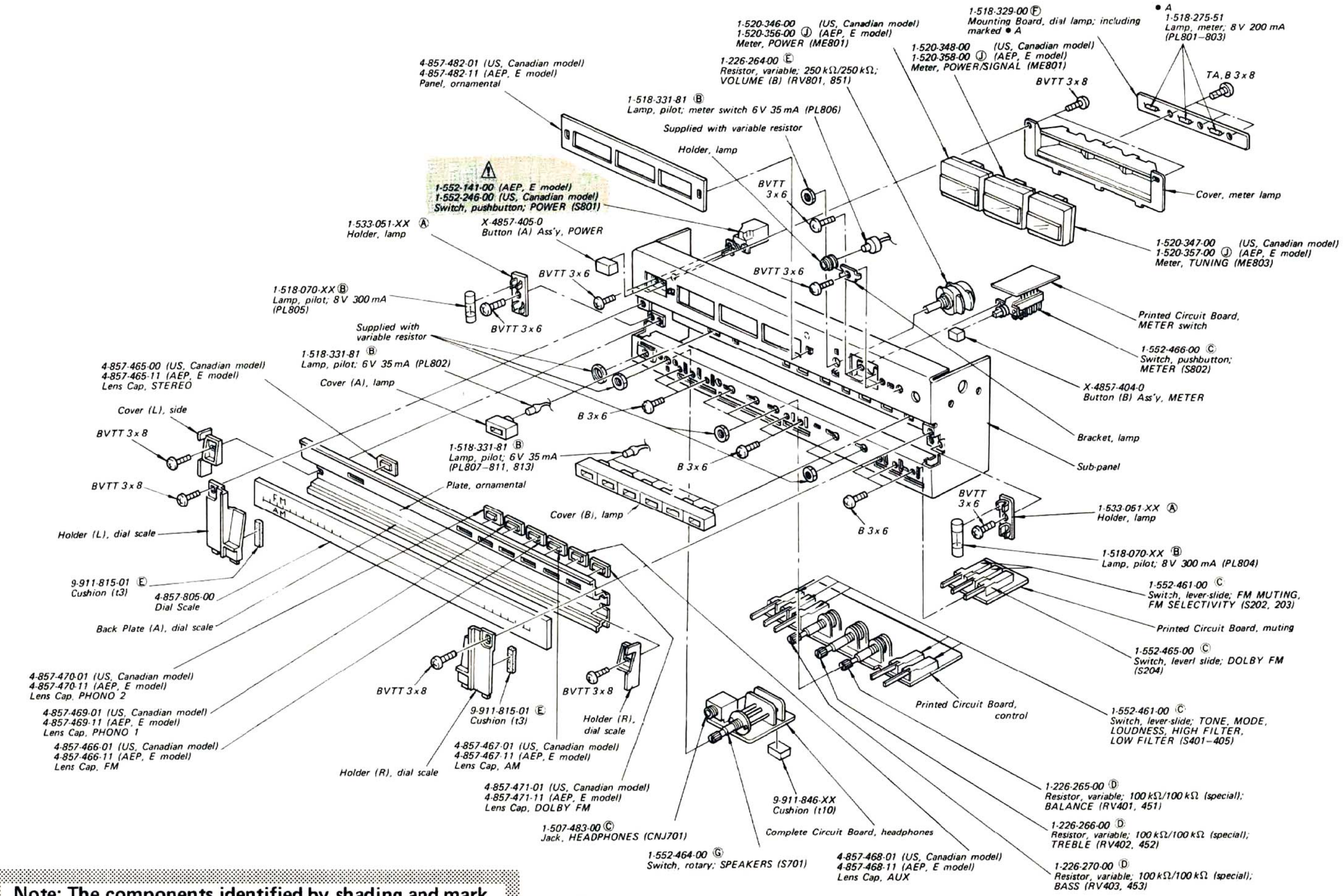
(2)



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:

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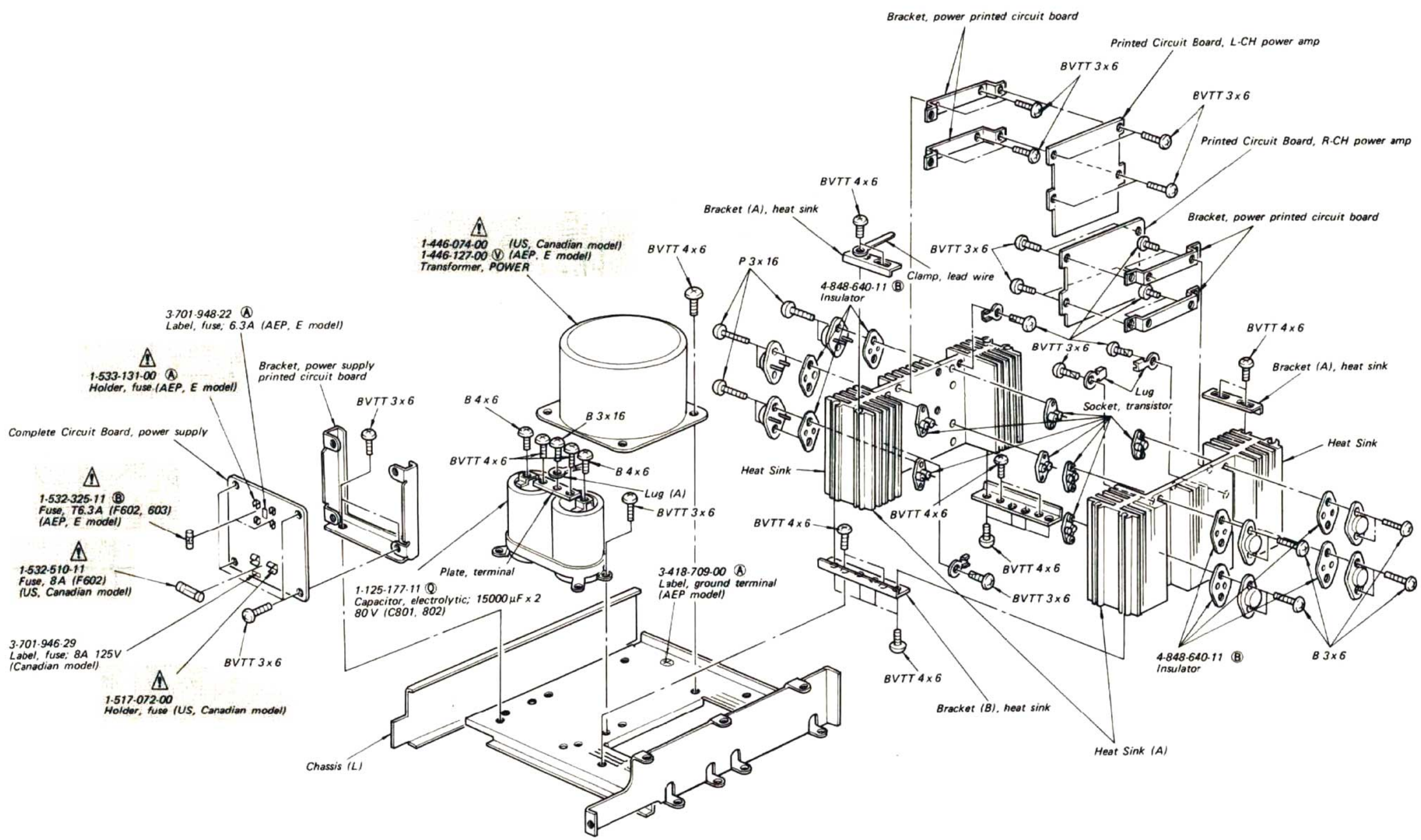
(3)



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

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

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(4)

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  (–) = slotted head
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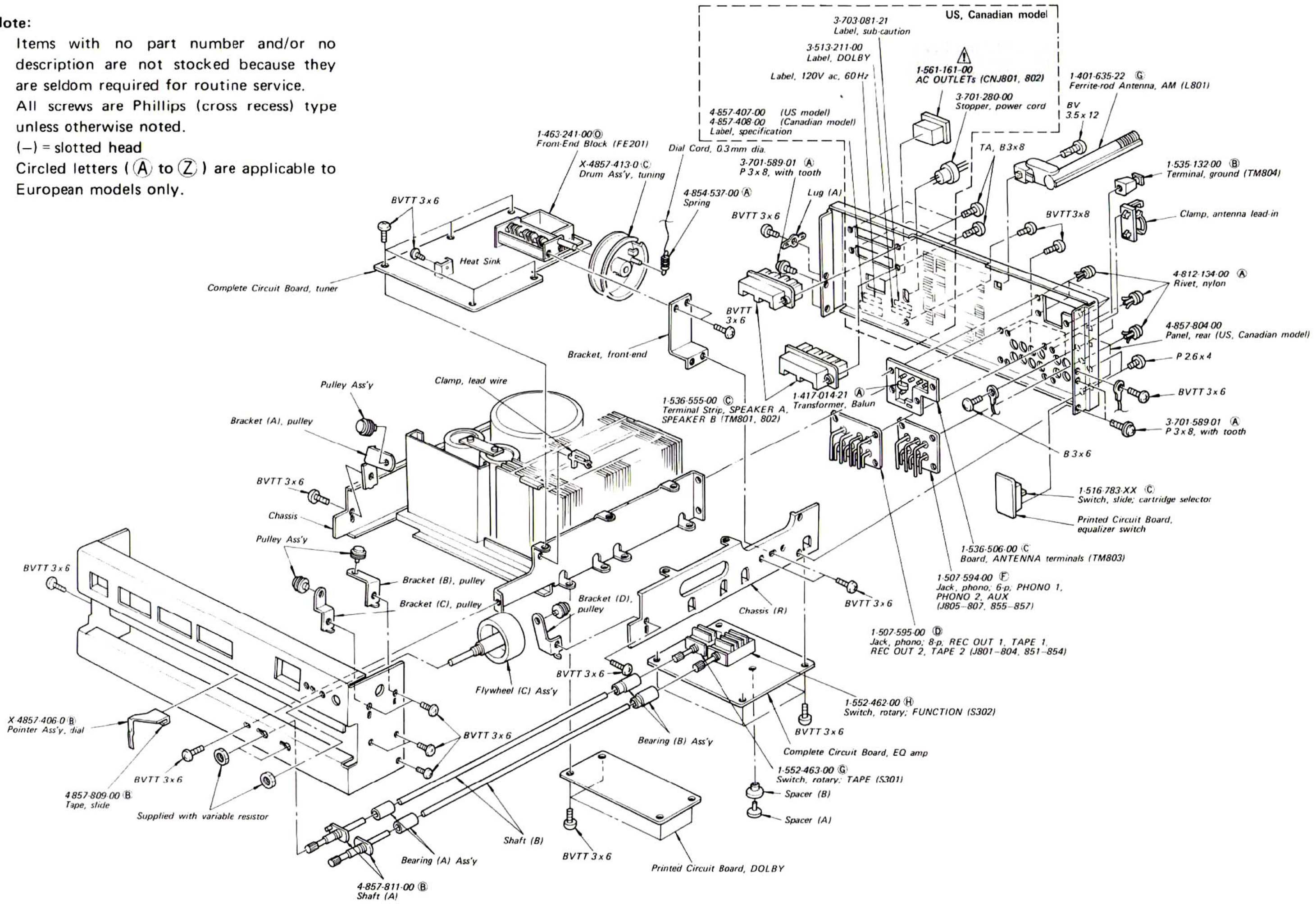

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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.

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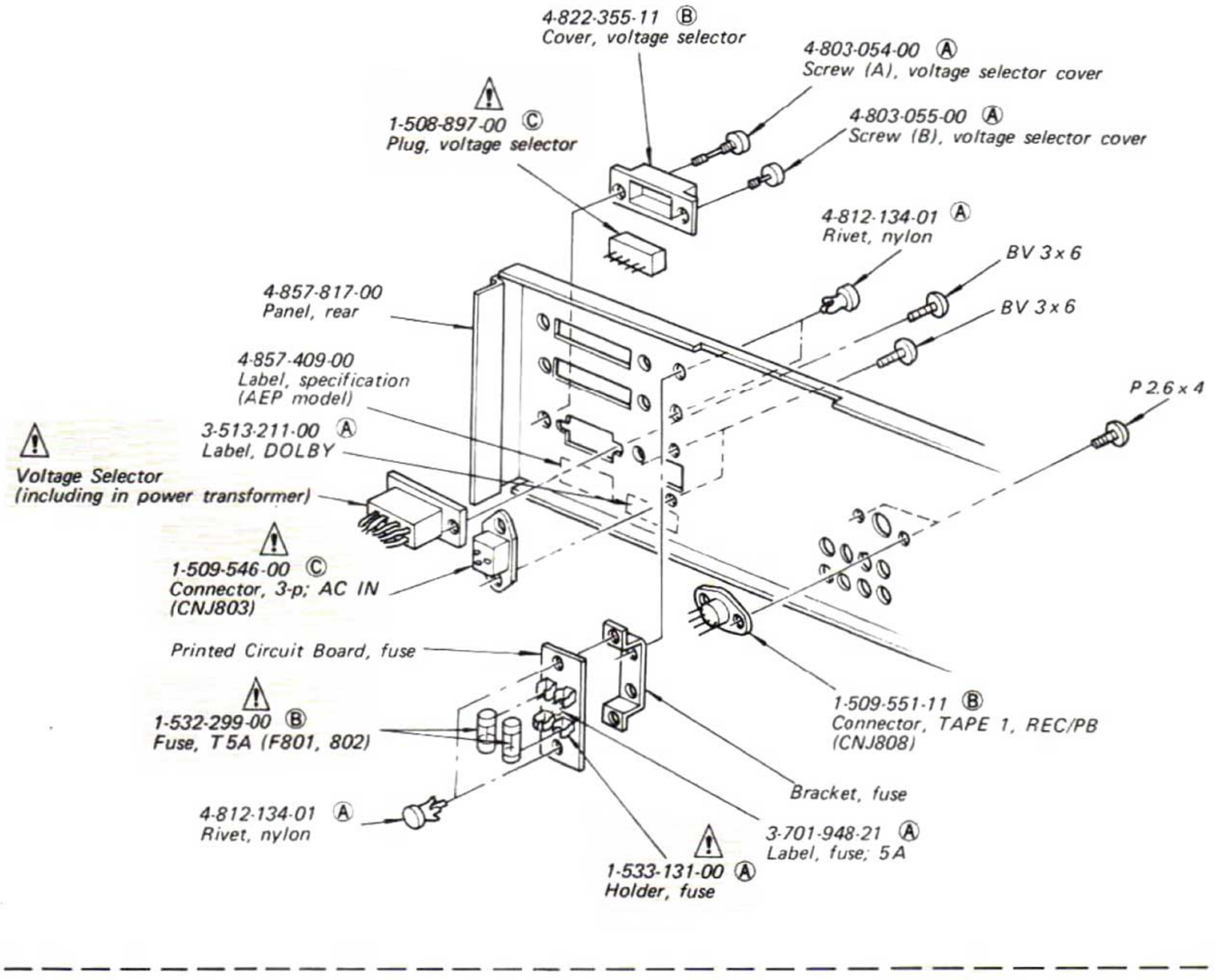
(5)

AEP, 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 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.

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SECTION 6
ELECTRICAL PARTS LIST

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

Ref. No.	*Part No.*	*Description*
	SEMICONDUCTORS	
	Transistors	
⇒ Q201–204	8-729-671-14	Ⓑ 2SC710
⇒ Q205,206	8-729-663-47	Ⓑ 2SC1364
Q207	8-729-203-04	Ⓑ 2SK30A-GR
⇒ Q208–211	8-729-663-47	Ⓑ 2SC1364
Q212	8-729-366-71	Ⓑ 2SD667
⇒ Q213	8-729-307-62	Ⓓ 2SD476A
Q301–303, Q351–353	8-729-612-92	Ⓑ 2SC2129
Q305,355	8-729-387-27	Ⓑ 2SA872
Q306,356	8-729-304-61	Ⓑ 2SB646
⇒ Q307,357	8-729-663-47	Ⓑ 2SC1364
⇒ Q308,358	8-723-304-00	Ⓑ 2SK43
Q309,359	8-765-012-20	Ⓑ 2SD666
⇒ Q501–503, ⇒ Q551–553	8-729-387-27	Ⓑ 2SA872
Q504,554	8-765-012-20	Ⓒ 2SC1811
Q505,555	8-765-082-20	Ⓒ 2SA896
⇒ Q506,556	8-727-788-00	Ⓑ 2SA678
⇒ Q507,508, ⇒ Q557,558	8-729-663-47	Ⓑ 2SC1364
⇒ Q509,559	8-727-788-00	Ⓑ 2SA678
Q510,560	8-729-366-92	Ⓒ 2SD669A
Q511,561	8-729-364-92	Ⓒ 2SB649A
⇒ Q512,562	8-729-663-47	Ⓑ 2SC1364
⇒ Q513,563	8-727-788-00	Ⓑ 2SA678
Q514,564	8-729-367-63	Ⓗ 2SD676
Q515,565	8-729-365-63	Ⓗ 2SB656
Q516,566	8-729-367-63	Ⓗ 2SD676
Q517,567	8-729-365-63	Ⓗ 2SB656
Q601	8-729-366-71	Ⓑ 2SD667
Q602	8-729-364-71	Ⓑ 2SB647
Q603	8-729-663-47	Ⓑ 2SC1364
Q604	8-727-788-00	Ⓑ 2SA678
⇒ Q605	8-729-663-47	Ⓑ 2SC1364
⇒ Q901	8-729-663-47	Ⓑ 2SC1364
Q902	8-727-788-00	Ⓑ 2SA678
⇒ Q951	8-750-663-47	Ⓑ 2SC1364
	Diodes	
⇒ D201–205	8-719-815-55	Ⓑ 1S1555
⇒ D206	8-719-422-21	Ⓑ 1T22AM
⇒ D207	8-719-815-55	Ⓑ 1S1555
⇒ D208	8-719-931-16	Ⓑ EQB01-16
D301,351	8-719-912-00	Ⓑ MV12N
D501,551	8-719-300-11	Ⓒ SV04S
⇒ D502–505, ⇒ D552–555	8-719-815-55	Ⓑ 1S1555
D506	8-719-912-00	Ⓑ MV12N
⇒ D507–509	8-719-815-55	Ⓑ 1S1555
D601	8-719-851-51	Ⓕ S5151
D602	8-719-801-51	Ⓕ S5151R
D603,604	8-719-931-26	Ⓑ EQB01-26
⇒ D605	8-719-931-10	Ⓑ EQB01-10
⇒ D606	8-719-815-55	Ⓑ 1S1555
D607	8-719-510-10	Ⓒ SIRB10
⇒ D701,702, ⇒ D751,752	8-719-422-21	Ⓑ 1T22AM
	ICs	
IC201	8-759-310-37	Ⓖ HA1137W
IC202	8-759-311-96	Ⓕ HA1196
IC203	8-759-812-40	Ⓕ LA1240
IC401,451	8-759-314-57	Ⓒ HA1457
IC501	8-759-320-02	Ⓔ HA12002
IC901,951	8-750-640-00	Ⓘ CX064
	Thermistors	
TH501,502	1-800-427-00	Ⓑ Posistor

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

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

Ref. No.	*Part No.*		*Description*
	COILS		
L201	1-459-152-00	Ⓑ	18μH, coil with core
L202	1-407-169-XX	Ⓑ	100μH
L203	1-407-182-XX	Ⓑ	2.2μH
L204	1-407-157-XX	Ⓑ	10μH
L205	1-407-182-XX	Ⓑ	2.2μH
L301,351	1-407-519-00	Ⓑ	Microinductor
L501,551	1-420-838-00	Ⓑ	1.22μH
L801	1-401-635-00	Ⓖ	Ferrite-rod Antenna, AM
	TRANSFORMERS AND FILTER		
CF201–204	1-527-307-XX	Ⓑ	Filter, ceramic
CFT201	1-404-086-00	Ⓓ	AM IFT (US, Canadian model)
CFT201	1-404-087-00	Ⓓ	AM IFT (AEP, UK, E model)
IFT201	1-404-011-00	Ⓒ	Transformer, discri (FM)
IFT202	1-404-085-00	Ⓑ	AM IFT
LPF201,202	1-231-360-00	Ⓔ	Filter, low-pass
PT801	⚠ 1-446-074-00		Transformer, power (US, Canadian model)
PT801	⚠ 1-446-127-00	Ⓥ	Transformer, power (AEP, E model)
T201	1-405-779-00	Ⓑ	AM Osc Coil
T801	1-417-014-31	Ⓑ	Balun
	CAPACITORS		
	All capacitors are in μF and ceramic unless otherwise noted. 50WV or less are not indicated except for electrolytics. p: μμF, elect = electrolytic		
C201	1-102-967-11	Ⓐ	22p
C202	1-101-924-11	Ⓐ	0.022
C203	1-101-918-11	Ⓐ	0.001
C204	1-101-924-11	Ⓐ	0.022
C205,207	1-101-918-11	Ⓐ	0.001
C208,209	1-101-924-11	Ⓐ	0.022
C211	1-121-409-11	Ⓑ	47 16V elect
C212	1-101-924-11	Ⓐ	0.022
C213	1-121-415-11	Ⓑ	100 16V elect
C214	1-121-419-11	Ⓑ	220 6.3V elect
C215	1-101-925-11	Ⓐ	0.047
C216	1-101-924-11	Ⓐ	0.022
C217,218	1-101-925-11	Ⓐ	0.047
C219	1-121-726-11	Ⓑ	0.47 50V elect
C220	1-121-426-11	Ⓑ	470 16V elect
C221	1-101-924-11	Ⓐ	0.022
C222	1-121-450-11	Ⓑ	2.2 50V elect
C223	1-102-969-11	Ⓐ	33p
C224	1-121-651-11	Ⓑ	10 16V elect
C225	1-121-395-11	Ⓑ	4.7 25V elect
C226	1-121-651-11	Ⓑ	10 16V elect
C227	1-121-450-11	Ⓑ	2.2 50V elect
C228,229	1-121-726-11	Ⓑ	0.47 50V elect
C230	1-121-395-11	Ⓑ	4.7 25V elect
C231	1-123-069-11	Ⓑ	330 16V elect
C232	1-131-211-11	Ⓑ	0.22 35V elect
C233	1-104-066-11	Ⓑ	360p polyethylene
C234	1-121-651-11	Ⓑ	10 16V elect
C235	1-104-071-11	Ⓑ	560p polyethylene
C236	1-121-450-11	Ⓑ	2.2 50V elect
C237	1-101-880-11	Ⓐ	47p
C238	1-121-450-11	Ⓑ	2.2 50V elect
C239	1-104-071-11	Ⓑ	560p polyethylene
C240	1-121-651-11	Ⓑ	10 16V elect
C241	1-131-197-11	Ⓑ	3.3 16V elect
C242	1-131-237-11	Ⓑ	1.5 25V elect
C243	1-108-246-12	Ⓑ	0.047 mylar
C244–247	1-104-071-11	Ⓑ	560p polyethylene (AEP, E model)
C245,247	1-104-079-11		0.0012 polyethylene (US, Canadian model)
C248–250	1-101-924-11	Ⓐ	0.022
C251	1-121-479-11	Ⓑ	22 16V elect

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.

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

Ref. No.	*Part No.*		*Description*		
C252	1-101-918-11	Ⓐ	0.001		
C253	1-101-924-11	Ⓐ	0.022		
C254	1-123-193-11	Ⓑ	100	16V	elect
C255	1-121-395-11	Ⓑ	4.7	25V	elect
C256	1-121-392-11	Ⓑ	3.3	25V	elect
C257	1-101-923-11	Ⓐ	0.01		
C258	1-108-244-12	Ⓑ	0.033		mylar
C259	1-108-230-12	Ⓐ	0.0022		mylar
C260	1-108-242-12	Ⓐ	0.022		mylar
C261	1-101-918-11	Ⓐ	0.001		
C262	1-101-924-11	Ⓐ	0.022		
C263	1-102-960-11	Ⓐ	24p		
C264	1-104-067-11	Ⓑ	390p		polyethylene
C265	1-101-924-11	Ⓐ	0.022		
C267	1-121-651-11	Ⓑ	10	16V	elect
C268	1-123-193-11	Ⓑ	100	16V	elect
C269	1-121-416-11	Ⓑ	100	25V	elect
C270	1-121-733-11		470	25V	elect
			(US, Canadian model)		
C270	1-121-940-11	Ⓑ	470	25V	elect
			(AEP, E model)		
C271	1-101-925-11	Ⓐ	0.047		
C301,351	1-121-916-11	Ⓑ	10	16V	elect
C302,352	1-102-973-11	Ⓐ	100p		
C303,353	1-121-658-11	Ⓑ	2200	6.3V	elect
C304,354	1-108-584-12	Ⓑ	0.016		mylar
C305,355	1-108-597-12	Ⓑ	0.056		mylar
C306,356	1-102-973-11	Ⓐ	100p		
C307,357	1-121-414-11	Ⓑ	100	10V	elect
C308,358	1-123-050-11	Ⓑ	2.2	50V	elect
C309,359	1-121-420-11	Ⓑ	220	10V	elect
C310,360	1-121-392-11	Ⓑ	3.3	25V	elect
C311,361	1-102-820-11	Ⓐ	330p		
C313,363	1-102-114-11	Ⓐ	470p		
C341	1-123-063-11	Ⓑ	220	35V	elect
C342	1-123-062-11	Ⓑ	100	35V	elect
C401,451	1-101-361-11	Ⓐ	150p		
C402,452	1-108-591-12	Ⓑ	0.033		mylar
C403,453	1-121-912-11	Ⓑ	1	50V	elect
C404,454	1-102-959-11	Ⓐ	22p		
C405,455	1-121-912-11	Ⓑ	1	50V	elect
C406,456	1-123-050-11	Ⓑ	2.2	50V	elect
C407,457	1-108-587-12	Ⓑ	0.022		mylar
C408,458	1-108-559-12	Ⓑ	0.0015		mylar
C409,459	1-108-600-12	Ⓑ	0.075		mylar
C410,460	1-108-577-12	Ⓑ	0.0082		mylar
C411,461	1-108-579-12	Ⓑ	0.01		mylar
C412,462	1-108-603-12	Ⓑ	0.1		mylar
C413,463	1-121-450-11	Ⓑ	2.2	50V	elect
C414	1-121-479-11	Ⓑ	22	16V	elect
C501,551	1-121-391-11	Ⓑ	1	50V	elect
C502,552	1-102-116-11	Ⓐ	680p		
C503,553	1-121-424-11	Ⓑ	470	6.3V	elect
C504,554	1-102-958-11	Ⓐ	20p		
C505,555	1-121-414-11	Ⓑ	100	10V	elect
C508,509 C558,559	1-121-479-11	Ⓑ	22	16V	elect
C511,561	1-106-208-12	Ⓑ	0.033	100V	mylar
C513,563	1-121-414-11	Ⓑ	100	10V	elect
C514,564	1-123-084-11	Ⓑ	100	100V	elect
C515	1-121-424-11	Ⓑ	470	6.3V	elect
C516	1-121-391-11	Ⓑ	1	50V	elect
C517	1-121-392-11	Ⓑ	3.3	25V	elect
C518	1-121-736-11	Ⓑ	1000	10V	elect
C519	1-121-651-11	Ⓑ	10	16V	elect
C520,570	1-123-084-11	Ⓑ	100	100V	elect
C601	1-123-193-11	Ⓑ	100	16V	elect
C603,604	1-123-065-11	Ⓑ	330	25V	elect
C605,606	1-121-941-11	Ⓑ	470	35V	elect
C608–611	1-108-433-12	Ⓑ	0.1	200V	mylar
C612	1-121-940-11	Ⓑ	470	25V	elect
C613	1-102-129-11	Ⓐ	0.01		
C614	1-123-072-11	Ⓑ	220	10V	elect
C701,751	1-121-391-11	Ⓑ	1	50V	elect
C801,802	1-125-177-11	Ⓠ	15000×2	80V	elect
C803	1-121-479-11	Ⓑ	22	16V	elect
C901,951	1-121-391-11	Ⓑ	1	50V	elect
C902,952	1-131-198-11	Ⓑ	6.8	16V	elect

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

Ref. No.	*Part No.*			*Description*	
C903,953	1-121-352-11	Ⓑ	47	10V	elect
C904,954	1-121-391-11	Ⓑ	1	50V	elect
C905,955	1-108-244-12	Ⓑ	0.033		mylar
C906,956	1-131-196-11	Ⓑ	2.2	20V	elect
C907,957	1-121-651-11	Ⓑ	10	16V	elect
C908,958	1-102-947-11	Ⓐ	10p		
C909,959	1-108-603-12	Ⓑ	0.1		mylar
C910,960	1-108-585-12	Ⓑ	0.018		mylar
C911,961	1-108-587-12	Ⓑ	0.022		mylar
C912,962	1-121-391-11	Ⓑ	1	50V	elect
C913,963	1-121-450-11	Ⓑ	2.2	50V	elect
C914,964	1-108-557-12	Ⓑ	0.0012		mylar
C915,965	1-121-415-11	Ⓑ	100	16V	elect
C916	1-121-651-11	Ⓑ	10	16V	elect
CP601,602	1-102-355-11	Ⓑ	0.01	500V	

RESISTORS

All resistors are in ohms. Common ¼W carbon resistors are omitted.
Refer to the list on the last page for their part numbers.

Ref. No.	*Part No.*			*Description*	
R223	⚠1-211-506-11	Ⓐ	22	¼W	carbon (nonflammable)
R227	⚠1-211-526-11	Ⓐ	150	¼W	carbon (nonflammable)
R251	1-244-861-11	Ⓐ	330	½W	carbon
R268	⚠1-211-630-11	Ⓐ	470	½W	carbon (nonflammable)
R269	1-244-891-11	Ⓐ	5.6 k	½W	carbon
R279,280	⚠1-211-534-11	Ⓐ	330	¼W	carbon (nonflammable)
R281,283	⚠1-211-522-11	Ⓐ	100	¼W	carbon (nonflammable)
R284	⚠1-211-490-11	Ⓐ	4.7	¼W	carbon (nonflammable)
R287	1-244-863-11	Ⓐ	390	½W	carbon
R288	⚠1-211-506-11	Ⓐ	22	¼W	carbon (nonflammable)
R302,352	1-214-112-11	Ⓐ	150	¼W	metal oxide (1%)
R304,354	1-214-084-11	Ⓐ	10	¼W	metal oxide (1%)
R305,355	1-214-108-11	Ⓐ	100	¼W	metal oxide (1%)
R306,356	1-214-113-11	Ⓑ	160	¼W	metal oxide (1%)
R309,359	1-214-108-11	Ⓐ	100	¼W	metal oxide (1%)
R313,363	1-214-148-11	Ⓐ	4.7 k	¼W	metal oxide (1%)
R314,364	1-214-174-11	Ⓐ	56 k	¼W	metal oxide (1%)
R327	1-206-658-11	Ⓑ	560	2W	metal oxide (nonflammable)
R503,553	⚠1-211-553-11	Ⓐ	2.7 k	¼W	carbon (nonflammable)
R505,555	⚠1-211-514-11	Ⓐ	47	¼W	carbon (nonflammable)
R508,510 R558,560	⚠1-211-526-11	Ⓐ	150	¼W	carbon (nonflammable)
R511,512 R561,562	⚠1-211-534-11	Ⓐ	330	¼W	carbon (nonflammable)
R514,515 R564,565	⚠1-211-538-11	Ⓐ	470	¼W	carbon (nonflammable)
R516,566	⚠1-211-536-11	Ⓐ	390	¼W	carbon (nonflammable)
R523–526 R573–576	⚠1-217-158-11	Ⓑ	0.47	5W	metal oxide (nonflammable)
R527,577	1-244-825-11	Ⓐ	10	½W	carbon
R528,578	1-244-817-11	Ⓐ	4.7	½W	carbon
R529,579	1-244-907-11	Ⓐ	27 k	½W	carbon
R531–534 R581–584	⚠1-211-490-11	Ⓐ	4.7	¼W	carbon (nonflammable)
R542,543 R592,593	⚠1-211-498-11	Ⓐ	10	¼W	carbon (nonflammable)
R544,594	⚠1-211-553-11	Ⓐ	2.7 k	¼W	carbon (nonflammable)
R608,609	⚠1-206-723-11	Ⓑ	820	3W	metal oxide (nonflammable)
R610	⚠1-206-465-11	Ⓑ	12	2W	metal oxide (nonflammable)
R611	⚠1-206-531-11	Ⓑ	68	3W	metal oxide (nonflammable)
R612,613	⚠1-217-160-11	Ⓑ	1	5W	metal oxide (nonflammable)
R616	⚠1-211-498-11	Ⓐ	10	¼W	carbon (nonflammable)
R617,618	⚠1-206-728-11	Ⓑ	1.3 k	3W	metal oxide (nonflammable)

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.

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

Ref. No.	Part No.		Description		
R619	⚠1-211-498-11	Ⓐ	10	¼W	carbon (nonflammable)
R620	⚠1-206-477-11	Ⓑ	39	2W	metal oxide (nonflammable)
R701,751	1-244-865-11	Ⓐ	470	½W	carbon
R702,752	1-206-656-11	Ⓑ	470	2W	metal oxide (nonflammable)
R704,754	1-244-881-11	Ⓐ	2.2 k	½W	carbon
R801	⚠1-202-725-11	Ⓐ	3.3 M	½W	composition
R802	1-206-658-11	Ⓑ	560	2W	metal oxide (nonflammable)
R910,960	1-246-486-11	Ⓐ	3.6 k	¼W	carbon
R917,967	1-246-472-11	Ⓐ	910	¼W	carbon
R918,968	1-246-464-11	Ⓐ	430	¼W	carbon
RT201	1-224-643-XX	Ⓑ	2.2 k, adjustable		
RT202	1-224-646-XX	Ⓑ	22 k, adjustable		
RT203	1-224-647-XX	Ⓑ	47 k, adjustable		
RT204	1-224-647-XX	Ⓑ	47 k, adjustable		
RT205	1-224-645-XX	Ⓑ	10 k, adjustable		
RT206	1-224-650-XX	Ⓑ	470 k, adjustable		
RT401,451	1-224-644-XX	Ⓑ	4.7 k, adjustable		
RT501,551	1-224-491-00	Ⓑ	22 k, adjustable		
RV401,451	1-226-265-00	Ⓓ	100 k/100 k, variable; BALANCE (special)		
RV402,452	1-226-266-00	Ⓓ	100 k/100 k, variable; TREBLE (special)		
RV403,453	1-226-270-00	Ⓓ	100 k/100 k, variable; BASS (special)		
RV801,851	1-226-264-00	Ⓔ	250 k, variable; VOLUME (B)		

SWITCHES

S201	1-552-130-00	Ⓑ	Switch, DE-EMPHASIS
S202	1-552-461-00	Ⓒ	Switch, lever slide; FM MUTING
S203	1-552-461-00	Ⓒ	Switch, lever slide; FM SELECTIVITY
S204	1-552-465-00	Ⓒ	Switch, lever slide; DOLBY FM
S301	1-552-463-00	Ⓖ	Switch, rotary; TAPE
S302	1-552-462-00	Ⓗ	Switch, rotary; FUNCTION
S401–405	1-552-461-00	Ⓒ	Switch, lever slide; FILTER/ TONE/LOUDNESS/MODE
S701	1-552-464-00	Ⓖ	Switch, rotary; SPEAKERS
S801	⚠1-552-141-00	Ⓔ	Switch, push; POWER (AEP, E model)
S801	⚠1-552-246-00		Switch, push; POWER (US, Canadian model)
S802	1-552-466-00	Ⓒ	Switch, pushbutton; METER
S803	1-516-783-XX	Ⓒ	Switch, slide; cartridge selector

JACKS AND CONNECTORS

CNJ701	1-507-483-00	Ⓒ	Jack, HEADPHONES
CNJ801,802	⚠1-561-161-00	Ⓒ	AC OUTLETs
CNJ803	⚠1-509-546-00	Ⓔ	Connector, 3-p; AC IN (AEP, E model)
CNJ808	1-509-551-00	Ⓑ	Connector, REC/PB (AEP, E model)
CNP801	⚠1-551-511-00		Cord, power (US, Canadian model)
J801–804, J851–807	1-507-595-00	Ⓓ	Jack, phono; 8-p; REC OUT 1, 2/ TAPE 1, 2
J805–807, J855–857	1-507-594-00	Ⓕ	Jack, phono; 6-p; PHONO 1, 2/AUX

LAMPS

	1-518-329-00	Ⓕ	Mounting Board, dial lamp (including dial lamp PL801–803)
PL801–803	1-518-275-51	Ⓕ	Lamp, meter
PL804,805	1-518-070-XX	Ⓑ	Lamp, pilot
PL806	1-518-331-81	Ⓑ	Lamp, pilot; meter switch
PL807	1-518-331-81	Ⓑ	Lamp, pilot; PHONO 2
PL808	1-518-331-81	Ⓑ	Lamp, pilot; PHONO 1
PL809	1-518-331-81	Ⓑ	Lamp, pilot; FM
PL810	1-518-331-81	Ⓑ	Lamp, pilot; AM
PL811	1-518-331-81	Ⓑ	Lamp, pilot; AUX

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.

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

Ref. No.	*Part No.*		*Description*
PL812	1-518-331-81	Ⓑ	Lamp, pilot; STEREO
PL813	1-518-331-81	Ⓑ	Lamp, pilot; DOLBY FM

METERS

ME801	1-520-348-00		Meter, POWER/SIGNAL (R) (US, Canadian model)
ME801	1-520-358-00	Ⓙ	Meter, POWER/SIGNAL (R) (AEP, E model)
ME802	1-520-346-00		Meter (L), POWER (US, Canadian model)
ME802	1-520-356-00	Ⓙ	Meter (L), POWER (AEP, E model)
ME803	1-520-347-00		Meter, TUNING (US, Canadian model)
ME803	1-520-357-00	Ⓙ	Meter, TUNING (AEP, E model)

FUSES

F601	⚠1-532-496-00	Ⓒ	Fuse, thermo 109°C
F602	⚠1-532-510-11		Fuse, 8A (US, Canadian model)
F602,603	⚠1-532-325-00	Ⓑ	Fuse, T6.3A (AEP, E model)
F801,802	⚠1-532-299-00	Ⓑ	Fuse, T5A (AEP, E model)

MISCELLANEOUS

CB601	⚠1-532-521-11		Breaker, circuit 2.5A (US, Canadian model)
CB601	⚠1-532-531-11	Ⓒ	Breaker, circuit 2A (AEP, E model)
FE201	1-463-241-00	Ⓞ	Front-End Block
RY501	1-515-302-00	Ⓕ	Relay
RY601	⚠1-515-278-00	Ⓕ	Relay
TM801,802	1-536-555-00	Ⓒ	Terminal Strip, SPEAKER A, B
TM803	1-536-506-00	Ⓒ	Board, ANTENNA terminals
TM804	1-535-132-00	Ⓑ	Terminal, ground
	1-508-800-13	Ⓑ	U Type Base Post, 3-p
	1-508-803-13	Ⓑ	U Type Base Post, 6-p
	1-508-809-00	Ⓐ	14 mm Base Post, 2-p
	1-508-832-12	Ⓑ	H Type Base Post, 5-p
	1-508-833-12	Ⓑ	H Type Base Post, 6-p
	1-508-834-12	Ⓑ	H Type Base Post, 7-p
	1-508-837-12	Ⓑ	H Type Base Post, 10-p
	⚠1-508-897-00	Ⓒ	Plug, voltage selector
	1-509-863-00	Ⓑ	Socket, transistor
	⚠1-517-072-00		Holder, fuse (US, Canadian model)
	⚠1-533-131-00	Ⓐ	Holder, fuse (AEP, E model)
	1-533-051-XX	Ⓑ	Holder, lamp
	1-535-114-31	Ⓐ	Terminal, 1-p
	1-535-115-00	Ⓐ	Terminal, 2-p
	1-535-116-00	Ⓐ	Terminal, 3-p
	1-535-117-00	Ⓐ	Terminal, 4-p
	1-535-118-00	Ⓑ	Terminal, 5-p
	1-535-119-00	Ⓑ	Terminal, 6-p
	1-535-120-00	Ⓑ	Terminal, 7-p
	1-535-121-00	Ⓑ	Terminal, 8-p
	1-535-123-00	Ⓑ	Terminal, 10-p
	1-535-135-00	Ⓐ	Base Post, 2-p

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.

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

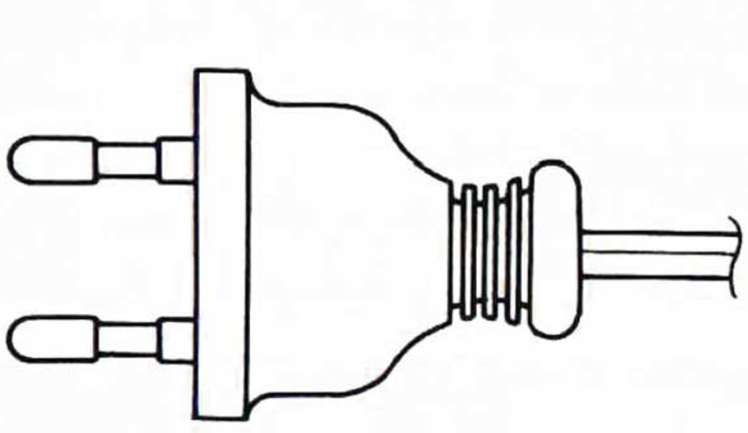
ACCESSORY AND PACKING MATERIALS

Part No.		*Description*
X-3701-029-6		Card Ass'y, warranty (US model)
X-4490-002-2	Ⓑ	Cloth Ass'y, polishing
1-501-161-00	Ⓕ	Antenna, feeder
1-506-113-00	Ⓑ	Plug, short
1-534-754-00	⚠	**Cord, power; parallel-blade plug (E2 model)**
1-551-216-00	⚠	**Cord, power; euro-plug (E1 model)**
3-701-020-00	Ⓑ	Bag, check sheet
3-701-622-00	Ⓐ	Bag, polyethylene
3-770-509-11	Ⓘ	Manual, instruction (AEP, E model)
3-770-509-21		Manual, instruction (US model)
3-770-509-21 3-794-256-31)		Manual, instruction (Canadian model)
3-794-233-21		Separate Sheet, consumer products (US model)
4-857-818-00		Carton (US, Canadian model)
4-875-898-00	Ⓗ	Carton (AEP, E model)
4-857-819-00		Cushion (upper) (US, Canadian, E model)
4-857-896-00	Ⓓ	Cushion (upper) (AEP model)
4-857-820-00		Cushion (lower) (US, Canadian, E model)
4-857-897-00	Ⓓ	Cushion (lower) (AEP model)
4-857-826-00	Ⓒ	Bag, protection

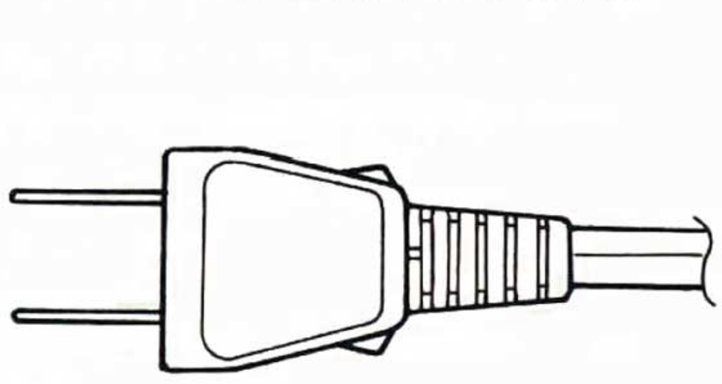
MODEL IDENTIFICATION

— Power Cord —

E1 model: euro-plug
Part No. 1-551-216-00



E2 model: parallel-blade plug
Part No. 1-534-754-00



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1/4 WATT CARBON RESISTORS Ⓐ

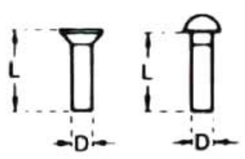
Note: Circled letter Ⓐ is applicable to European models only.

Ω	*Part No.*	Ω	*Part No.*	Ω	*Part No.*	Ω	*Part No.*	Ω	*Part No.*	Ω	*Part No.*	Ω	*Part No.*
1.0	1-244-601-11	10	1-244-625-11	100	1-244-649-11	1.0k	1-244-673-11	10k	1-244-697-11	100k	1-244-721-11	1.0M	1-244-745-11
1.1	1-244-602-11	11	1-244-626-11	110	1-244-650-11	1.1k	1-244-674-11	11k	1-244-698-11	110k	1-244-722-11	1.1M	1-244-746-11
1.2	1-244-603-11	12	1-244-627-11	120	1-244-651-11	1.2k	1-244-675-11	12k	1-244-699-11	120k	1-244-723-11	1.2M	1-244-747-11
1.3	1-244-604-11	13	1-244-628-11	130	1-244-652-11	1.3k	1-244-676-11	13k	1-244-700-11	130k	1-244-724-11	1.3M	1-244-748-11
1.5	1-244-605-11	15	1-244-629-11	150	1-244-653-11	1.5k	1-244-677-11	15k	1-244-701-11	150k	1-244-725-11	1.5M	1-244-749-11
1.6	1-244-606-11	16	1-244-630-11	160	1-244-654-11	1.6k	1-244-678-11	16k	1-244-702-11	160k	1-244-726-11	1.6M	1-244-750-11
1.8	1-244-607-11	18	1-244-631-11	180	1-244-655-11	1.8k	1-244-679-11	18k	1-244-703-11	180k	1-244-737-11	1.8M	1-244-751-11
2.0	1-244-608-11	20	1-244-632-11	200	1-244-656-11	2.0k	1-244-680-11	20k	1-244-704-11	200k	1-244-728-11	2.0M	1-244-752-11
2.2	1-244-609-11	22	1-244-633-11	220	1-244-657-11	2.2k	1-244 681-11	22k	1-244-705-11	220k	1-244-729-11	2.2M	1-244-753-11
2.4	1-244-610-11	24	1-244-634-11	240	1-244-658-11	2.4k	1-244-682-11	24k	1-244-706-11	240k	1-244-730-11	2.4M	1-244-754-11
2.7	1-244-611-11	27	1-244-635-11	270	1-244-659-11	2.7k	1-244-683-11	27k	1-244-707-11	270k	1-244-731-11	2.7M	1-244-755-11
3.0	1-244-612-11	30	1-244-636-11	300	1-244-660-11	3.0k	1-244-684-11	30k	1-244-708-11	300k	1-244-732-11	3.0M	1-244-756-11
3.3	1-244-613-11	33	1-244-637-11	330	1-244-661-11	3.3k	1-244-685-11	33k	1-244-709-11	330k	1-244-733-11	3.3M	1-244-757-11
3.6	1-244-614-11	36	1-244-638-11	360	1-244-662-11	3.6k	1-244-686-11	36k	1-244-710-11	360k	1-244-734-11	3.6M	1-244-758-11
3.9	1-244-615-11	39	1-244-639-11	390	1-244-663-11	3.9k	1-244-687-11	39k	1-244-711-11	390k	1-244-735-11	3.9M	1-244-759-11
4.3	1-244-616-11	43	1-244-640-11	430	1-244-664-11	4.3k	1-244-688-11	43k	1-244-712-11	430k	1-244-736-11	4.3M	1-244-760-11
4.7	1-244-617-11	47	1-244-641-11	470	1-244-665-11	4.7k	1-244-689-11	47k	1-244-713-11	470k	1-244-737-11	4.7M	1-244-761-11
5.1	1-244-618-11	51	1-244-642-11	510	1-244-666-11	5.1k	1-244-690-11	51k	1-244-714-11	510k	1-244-738-11	5.1M	1-244-762-11
5.6	1-244-619-11	56	1-244-643-11	560	1-244-667-11	5.6k	1-244-691-11	56k	1-244-715-11	560k	1-244-739-11		
6.2	1-244-620-11	62	1-244-644 11	620	1-244-668-11	6.2k	1-244-692-11	62k	1-244-716-11	620k	1-244-740-11		
6.8	1-244-621-11	68	1-244-645-11	680	1-244-669-11	6.8k	1-244-693-11	68k	1-244-717-11	680k	1-244-741-11		
7.5	1-244-622-11	75	1-244-646-11	750	1-244-670-11	7.5k	1-244-694-11	75k	1-244-718-11	750k	1-244-742-11		
8.2	1-244-623-11	82	1-244-647-11	820	1-244-671-11	8.2k	1-244-695-11	82k	1-244-719-11	820k	1-244-743-11		
9.1	1-244-624-11	91	1-244-648-11	910	1-244-672-11	9.1k	1-244-696-11	91k	1-244-720-11	910k	1-244-744-11		

HARDWARE NOMENCLATURE

Screw:

– P 3 x 10
- *L: Length in mm*
- *D: Diameter in mm*
- *Type of head*
- *Indicated slotted-head only. Unless otherwise indicated, it means cross-recessed head (Phillips type).*



Nut, Washer, Retaining ring:

N 3
- *Diameter of usable screw or shaft*
- *Reference designation*

Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replace-ment
PSW PSPW		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-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
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
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		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	

Sony Corporation

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