STR-3800L

AEP Model
UK Model

FM STEREO/FM-AM RECEIVER

SPECIFICATIONS

GENERAL

Power Requirements: 110, 120, 220 or 240 V ac adjustable, 50/60 Hz

Power Consumption: 300 W (UK model)
190 W (AEP model)

Dimensions: Approx. 485 (w) x 145 (h) x 375 (d) mm
$19\frac{1}{16}$ (w) x $5\frac{3}{4}$ (h) x $14\frac{11}{16}$ (d) inches
including projecting parts and controls

Weight: Approx. 10.5 kg, 23 lb 2 oz (net)
Approx. 12.5 kg, 27 lb 9 oz (with shipping carton)

FM SECTION

Tuning Range: 87.5 – 108 MHz

Antenna: 300 Ω balanced
75 Ω unbalanced

Sensitivity: at S/N 50 dB quieting
4 μV (MONO)
45 μV (STEREO)
at S/N 46 dB quieting
4.5 μV (MONO) (40 kHz deviation)
50 μV (STEREO) (40 kHz deviation)
Usable sensitivity
1.9 μV, IHF
1.7 μV, S/N = 26 dB
(40 kHz deviation)

Harmonic Distortion: at 100 Hz 0.2 % (MONO)
0.5 % (STEREO)
at 1 kHz 0.2 % (MONO)
0.3 % (STEREO)
at 10 kHz 0.2 % (MONO)
0.8 % (STEREO)

Alternate Channel Selectivity: 60 dB (400 kHz)
40 dB (300 kHz, S/N = 26 dB, 40 kHz deviation)

IM Distortion: 0.2 % (MONO)
0.5 % (STEREO)

Separation: 35 dB (100 Hz)
40 dB (1 kHz)
35 dB (10 kHz)

RF Intermodulation: 55 dB

Muting Threshold: Approx. 5 μV

Image Rejection: 45 dB

IF Rejection: 95 dB

Spurious Rejection: 75 dB

AM Suppression: 54 dB

Capture Ratio: 1.5 dB

S/N Ratio: 70 dB (MONO)
68 dB (STEREO)

Frequency Response: 40 – 12,500 Hz $\pm\frac{1}{2}$ dB
30 – 15,000 Hz ± 3 dB

-- Continued on page 2 –

SAFETY-RELATED COMPONENT WARNING!!

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

SONY®
SERVICE MANUAL

AM SECTION

Tuning Range: MW 530 – 1,605 kHz
LW 150 – 350 kHz

Antenna: Built-in ferrite-rod antenna
External antenna terminal

Selectivity: MW 50 dB (10 kHz)
LW 50 dB (10 kHz)

Sensitivity: MW 250 μV/m, built-in antenna
LW 500 μV/m, built-in antenna
MW 100 μV, external antenna at 1,000 kHz
LW 100 μV, external antenna at 250 kHz

Image Rejection: MW 40 dB at 1,000 kHz
LW 70 dB at 250 kHz

S/N Ratio: MW 50 dB (50 mV/m)
LW 50 dB (50 mV/m)

Harmonic Distortion: MW 0.5 % (50 mV/m, 400 Hz)
LW 0.5 % (50 mV/m, 400 Hz)

AUDIO AMPLIFIER SECTION

Continuous RMS Power Output: (rated output) (less than 0.2 % harmonic distortion)
Both channels driven simultaneously
At 20 – 20,000 Hz
25 W + 25 W (8 Ω)
25 W + 25 W (4 Ω)
At 1 kHz
25 W + 25 W (8 Ω)
25 W + 25 W (4 Ω)
According to DIN 45500
25 W + 25 W (8 Ω)
25 W + 25 W (4 Ω)

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

Power Bandwidth: 10 – 30,000 Hz, IHF

Damping Factor: 25 (1 kHz, 8 Ω)

Harmonic Distortion: Less than 0.2 % at rated output
Less than 0.1 % at 1 W output

IM Distortion: (60 Hz : 7 kHz = 4 : 1)
Less than 0.2 % at rated output
Less than 0.1 % at 1 W output

Residual Noise: Less than 0.008 μW, 8 Ω

Frequency Response:

PHONO	RIAA equalization curve ± 1 dB
TAPE 1, 2 REC/PB (input)	10 – 30,000 Hz $^{+0.5}_{-3.0}$ dB

Input Sensitivity and Impedance:

	Sensitivity *	Impedance	S/N	Weighting network
PHONO	2.5 mV (–50 dB)	50 kΩ	70 dB	A
TAPE 1, 2 REC/PB (input)	250 mV (–10 dB)	80 kΩ	90 dB	A

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

Output Level and Impedance: (with rated input)

	Output level	Impedance
REC OUT 1, 2	250 mV (–10 dB)	4.7 kΩ
REC/PB (output)	40 mV (–26 dB)	82 kΩ

Headphone: Accepts low and high impedance headphones

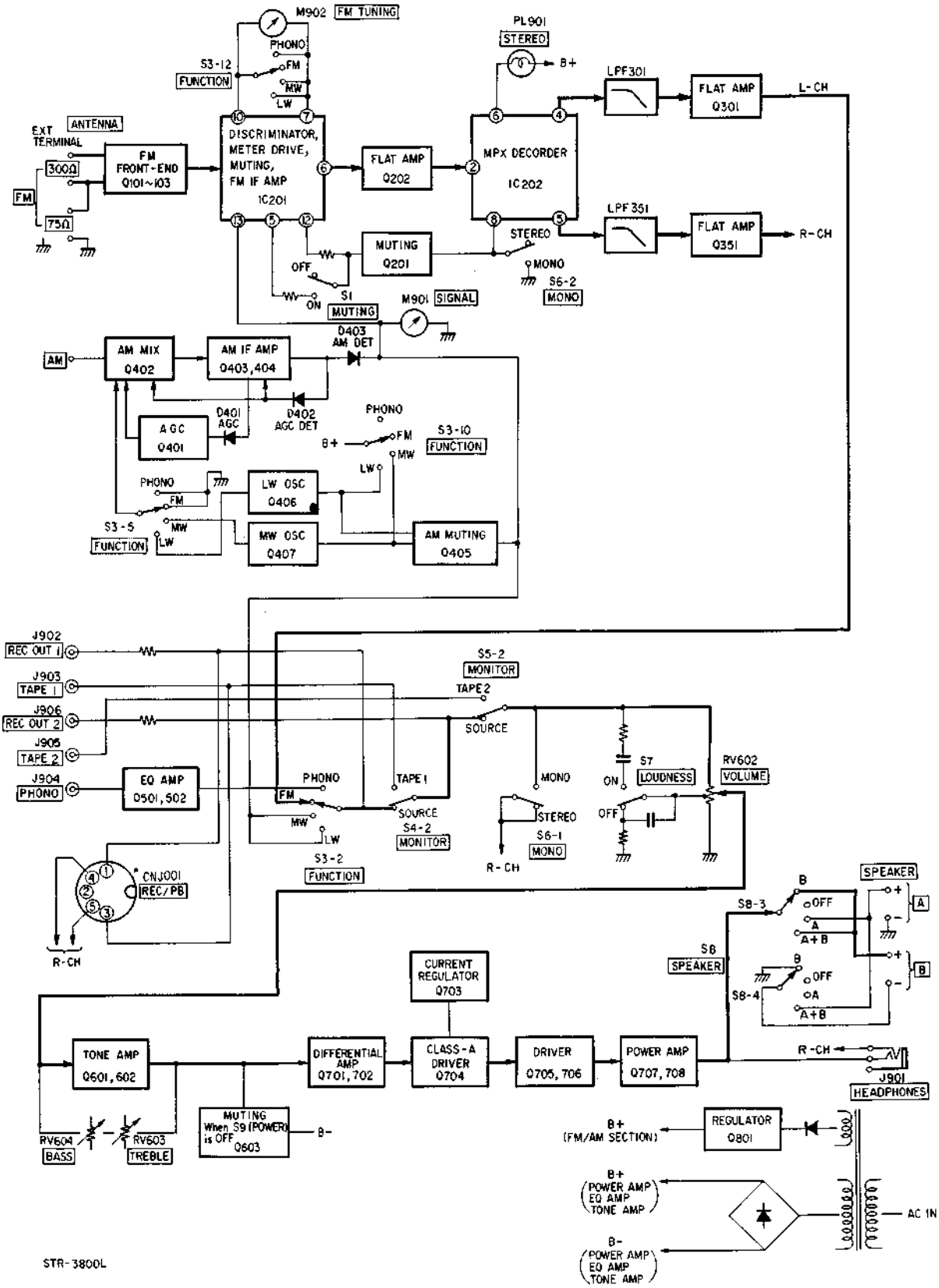
Speaker: Accepts 4 – 16 Ω speakers

Tone Controls: BASS ± 10 dB at 100 Hz
TREBLE ± 10 dB at 10 kHz

Loudness Controls: +8 dB at 50 Hz, + 3 dB at 10 kHz
(Attenuation: 30 dB)

SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM

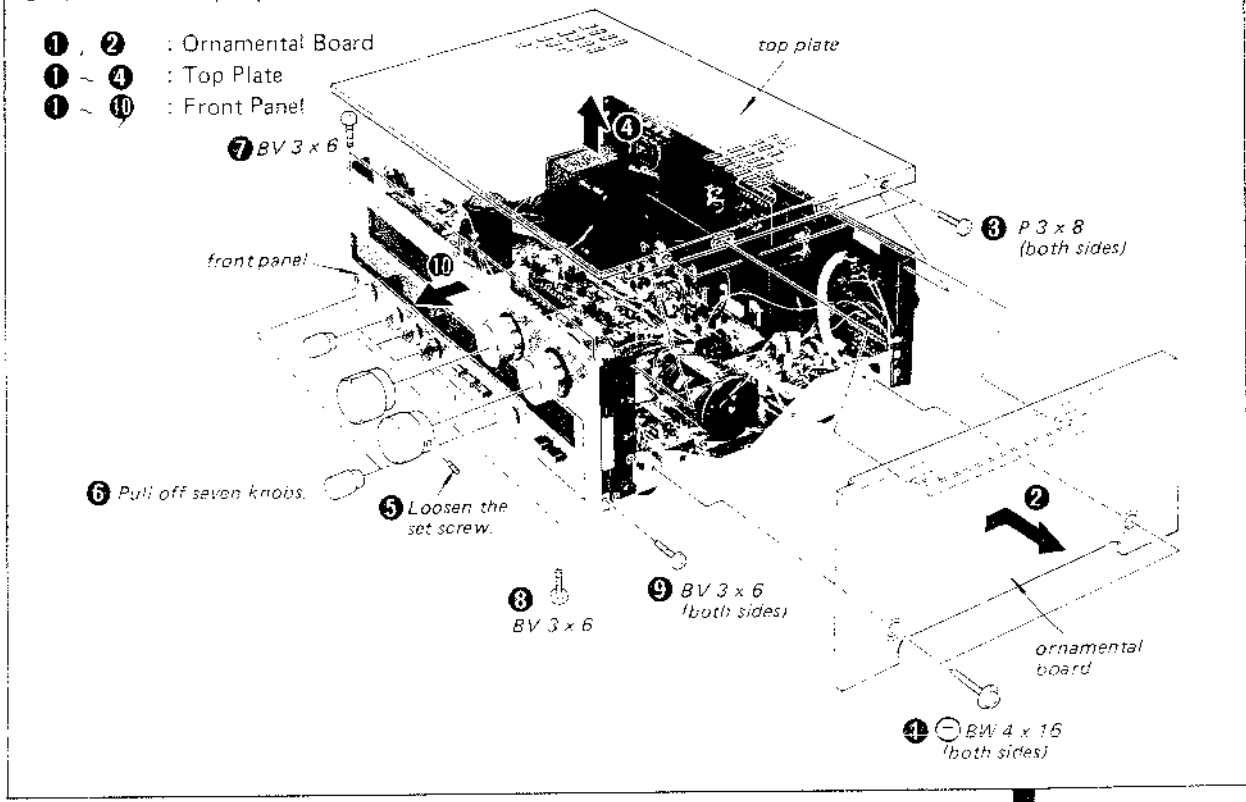


SECTION 2

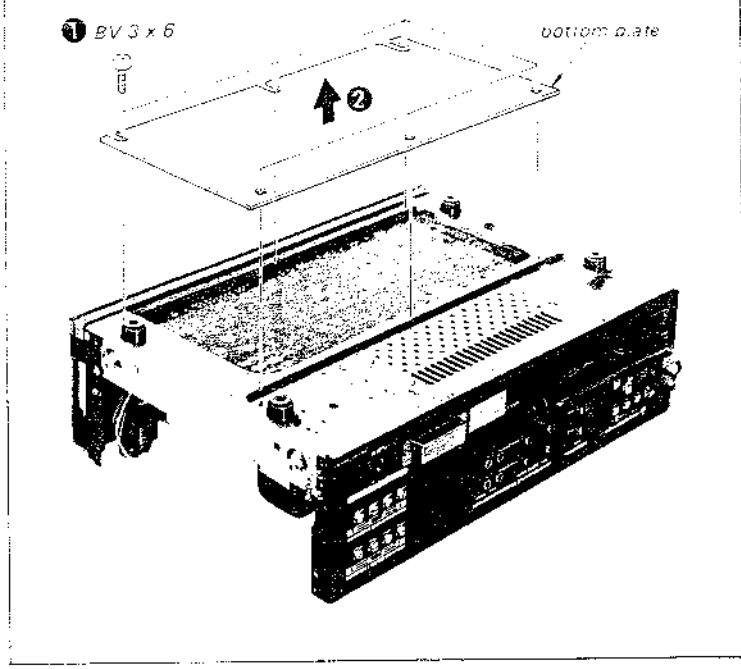
DISASSEMBLY

2-1. REMOVAL

Ornamental Board, Top Plate And Front Panel Removal



Bottom Plate Removal



MAIN Circuit Board

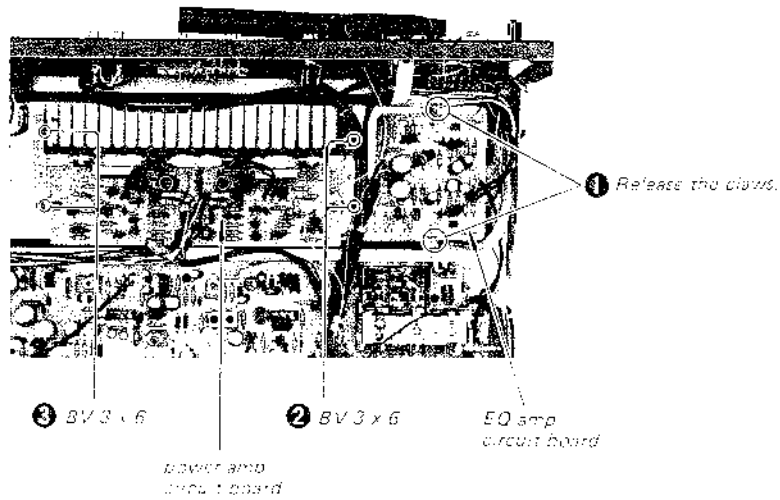
- Replacement of the components on the main circuit board.

Dial Cord Stringing

● On page 6.

Circuit Board Removal

❶ : EQ Amp Circuit Board
❷ , ❸ : Power Amp Circuit Board

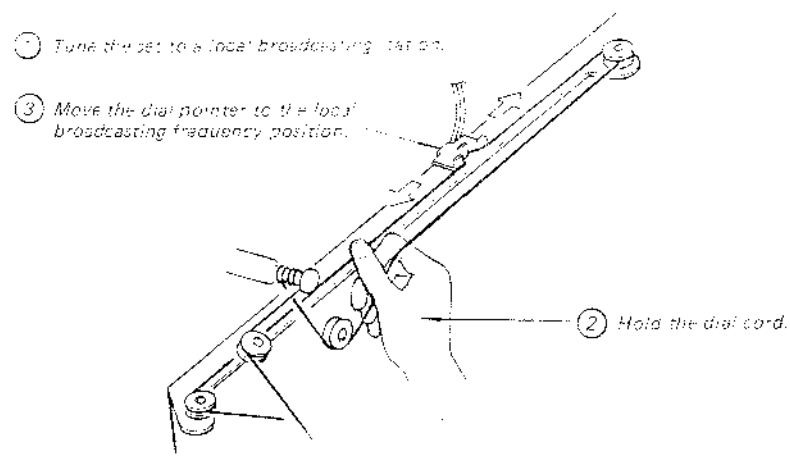


Front-end Replacement

CAUTION

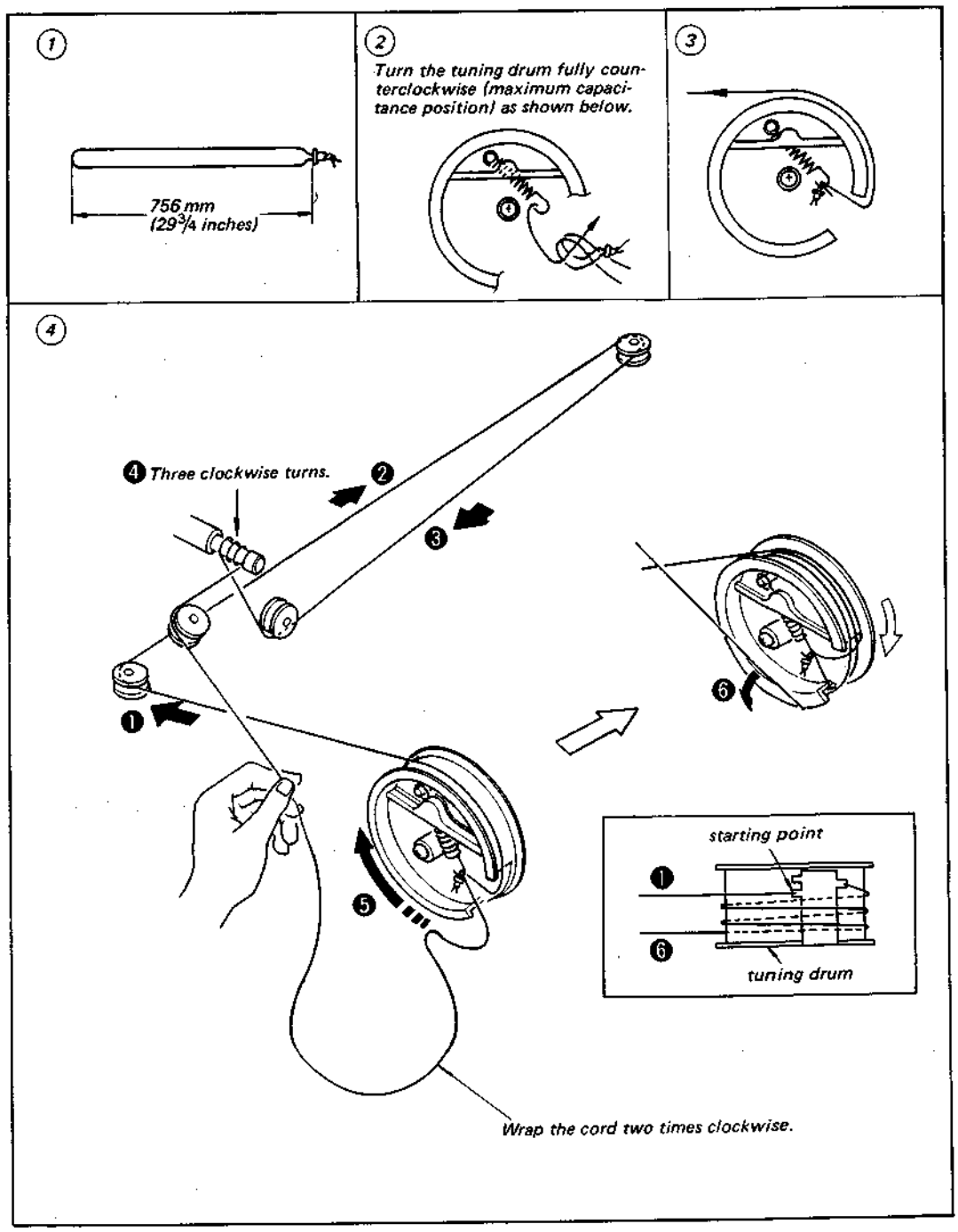
When the front-end needs to be repaired, replace the front-end block as a part. The parts on the front-end block are not individually available. After replacing the front-end block, perform the following procedures.

1. Dial pointer calibration



2. Perform the FM IF Alignment (1) on page 20.
3. Be sure to satisfy the specifications.
4. If necessary, perform the each adjustment.

2-2. DIAL CORD STRINGING



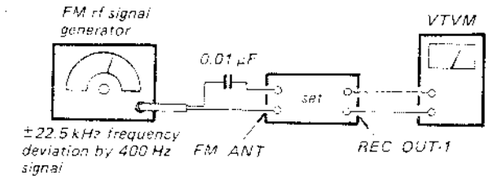
MEMO

3-1. FM SECTION

Setting:

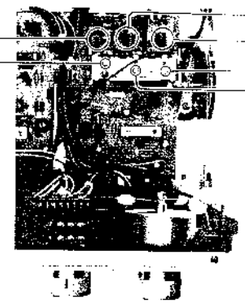
FUNCTION selector: FM
MONO switch: MONO
MUTING switch: OFF

❶ FM Frequency Coverage and Tracking Adjustment



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.	
87.5 MHz	L105
108 MHz	CT103

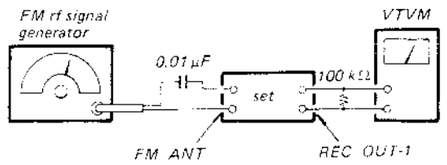


FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L103, 104 L101, 102	87.5 MHz
CT101 CT102	108 MHz

- Adjust in numerical order.

❹ FM Output Level Adjustment

Procedure:



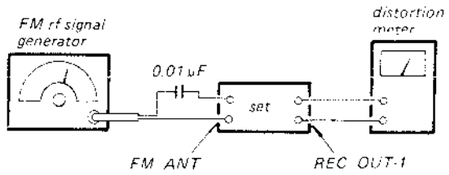
FM Signal Generator Setting:

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

Adjust RT202 for 0.775 V (0 dB) on the VTVM.

❸ FM IF Alignment (2)

Procedure:



Tune the set to 98 MHz and adjust the secondary-side core (black) of IFT201 for a minimum distortion reading.

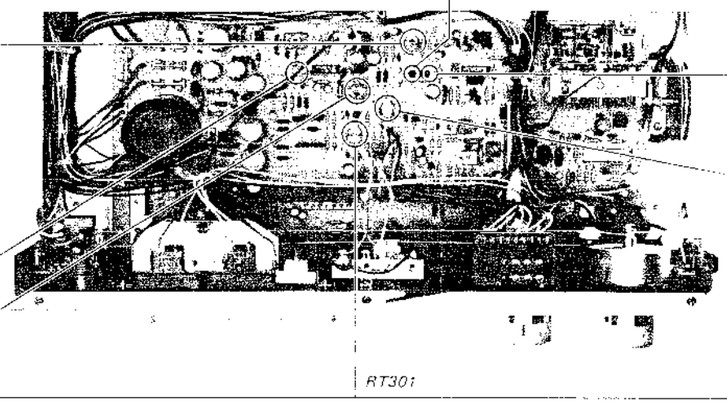
FM Signal Generator Setting:

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

❷ FM IF Alignment (1)

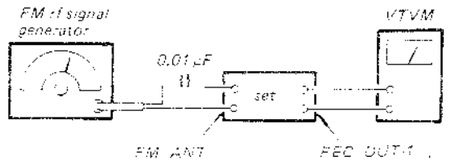
Procedure:

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



❺ SIGNAL Meter Adjustment

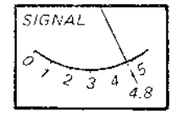
Procedure:



FM Signal Generator Setting:

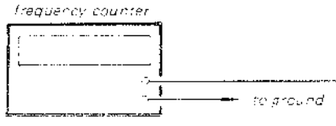
Carrier frequency:	98 MHz
Modulation:	no modulation
Output level:	3.2 mV (70 dB)

Tune the set to 98 MHz and adjust RT201 for specified pointer position on the SIGNAL meter as shown.



❻ VCO Adjustment

Procedure:



FM Signal Generator Setting:

Carrier frequency:	98 MHz
Modulation:	no modulation
Output level:	3.2 mV (70 dB)

Adjust RT203 for 19 kHz ± 100 Hz on the counter.

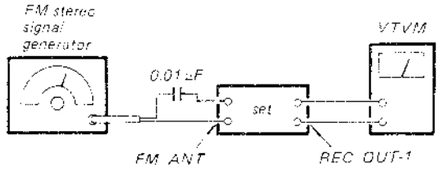
Note: Perform this adjustment after the power switch turned ON and one minute passed.

❼ FM Stereo Separation Adjustment

Setting:

MONO switch: STEREO

Procedure:



FM Signal Generator Setting:

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

FM stereo signal generator output channel	VTVM connection	VTVM reading
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RT301 for a minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RT301 for a minimum reading.

Stereo separation: Ⓐ − Ⓑ, Ⓒ − Ⓓ.

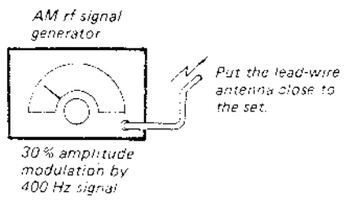
The difference between separations Ⓐ − Ⓑ and Ⓒ − Ⓓ should be equal.

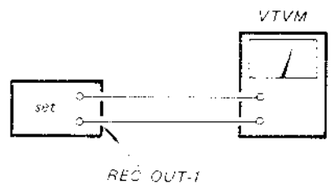
3-2. MW AND LW SECTION

❶ MW/LW Frequency Coverage and Tracking Adjustments

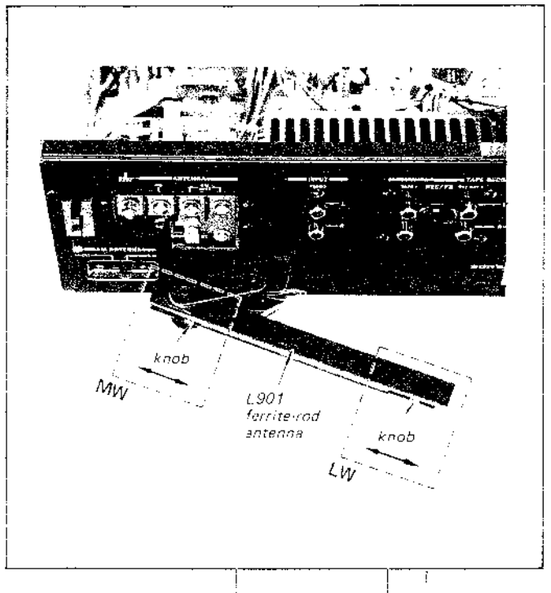
Setting:

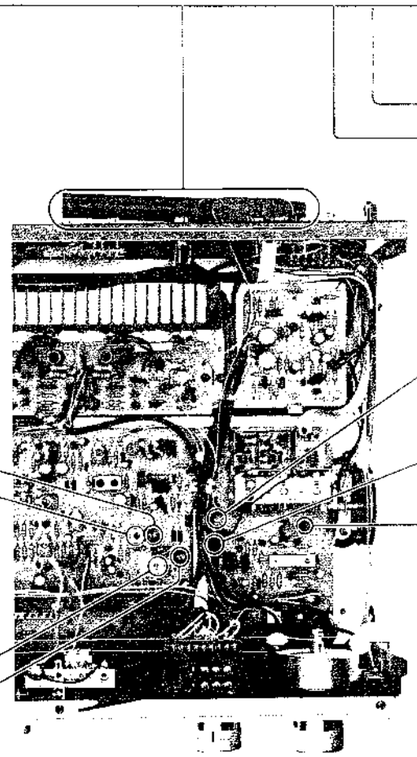
FUNCTION switch: MW or LW
AM ANTENNA switch: BUILT IN





Note:
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.
- Set the AM rf signal generator output level as weak as possible.
- IFT401 is adjusted in the factory, so no adjustment of AM IF is necessary.





MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
1,680 kHz	CT403
520 kHz	L403

LW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
145 kHz	L404
365 kHz	CT404

MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L901	600 kHz
CT401	1,350 kHz

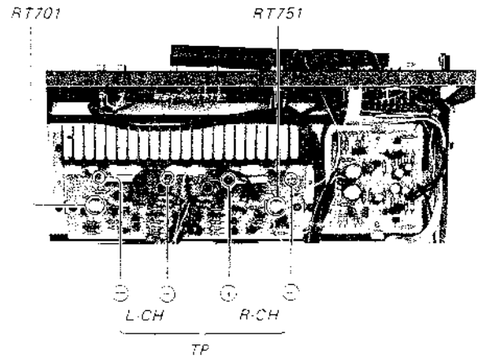
LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L901	150 kHz
CT402	300 kHz

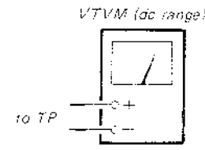
L402

3-3. POWER AMP SECTION

DC Bias Adjustment

Procedure:





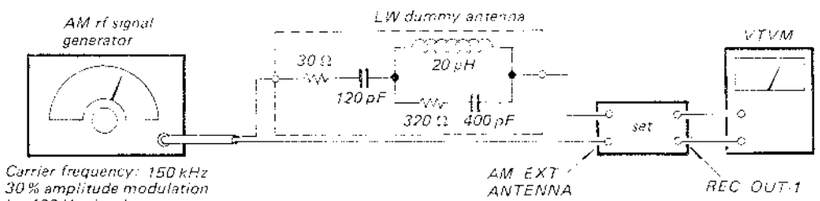
With no input signal, adjust RT701 (L-CH) and RT751 (R-CH) for 50 mV VTVM reading.

❷ LW EXT Antenna Coil Adjustment

Setting:

AM ANTENNA switch: EXT

Procedure:

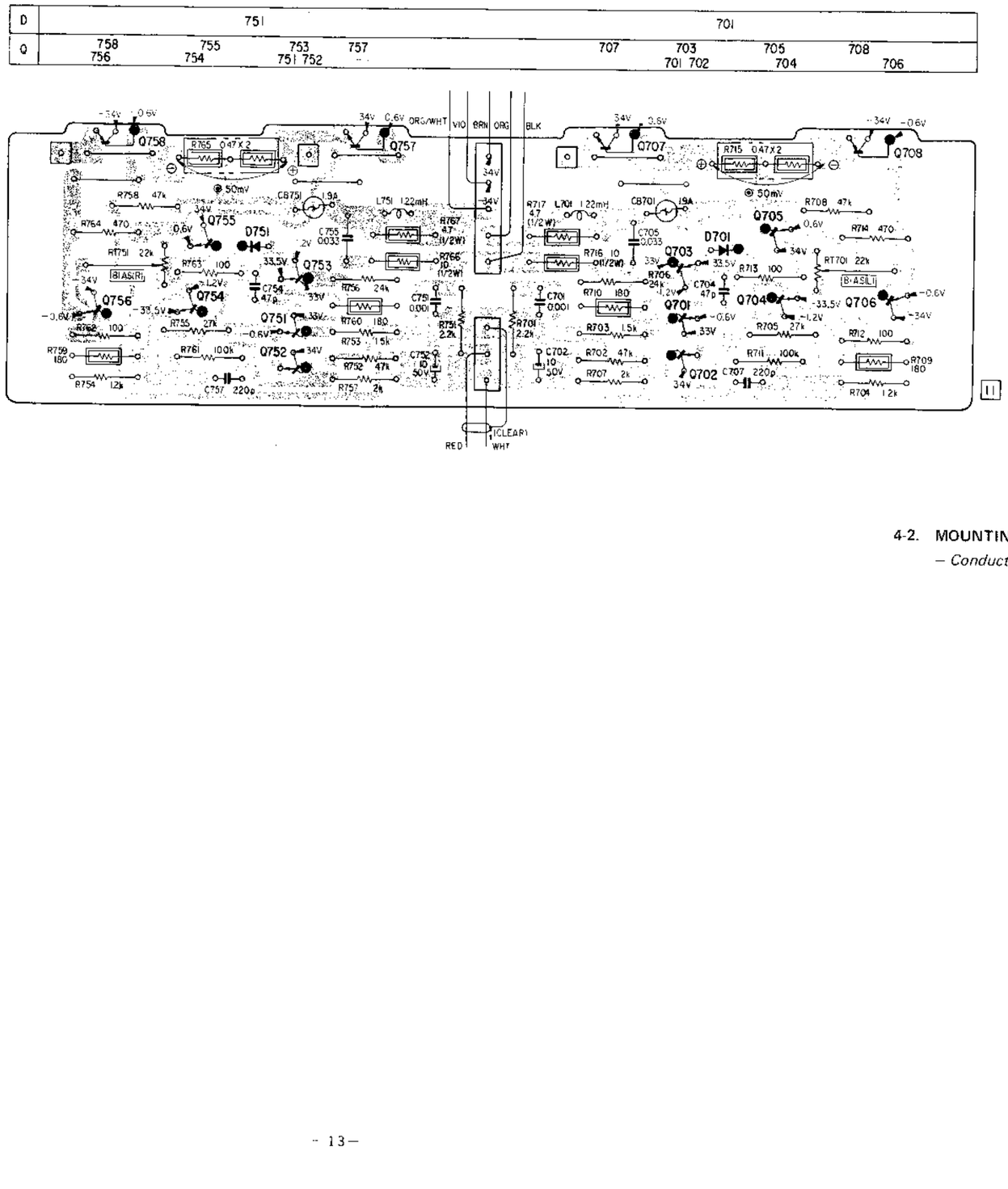


- Tune the set to 150 kHz and adjust L402 for a maximum reading on VTVM.

SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM – Power Amp Board –

– Conductor Side –



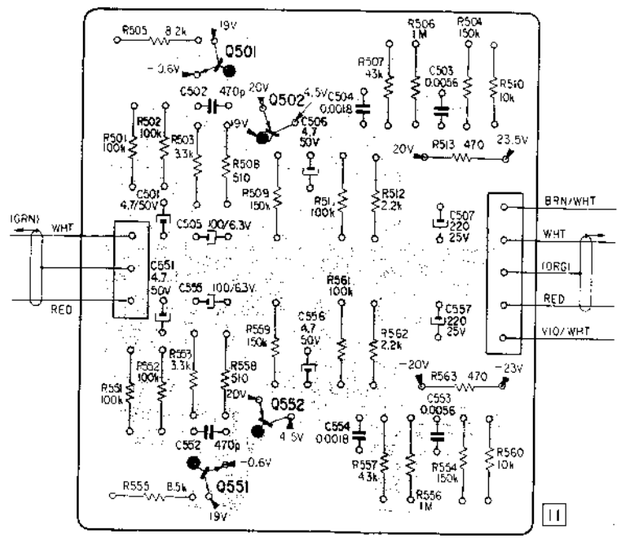
Note:

: B+ pattern

: B– pattern

4-2. MOUNTING DIAGRAM – EQ Amp Board –

– Conductor Side –

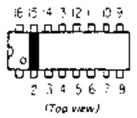


4-3. MOUNTING DIAGRAM

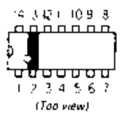
Replacement Semiconductors

For replacement, use semiconductors except in ( ).

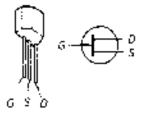
IC201: HA1137W



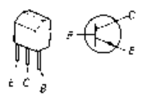
IC202: HA1156



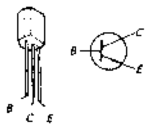
Q101: 2SK42



Q102: 2SC535



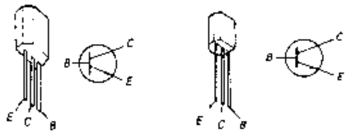
Q103, 404: 2SC710



Q201, 202
Q405
Q701, 702
Q751, 752
: 2SC634A (2SC1364)

Q501, 551
Q602, 652
: 2SC632A (2SC1362)

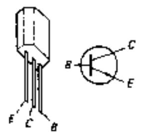
Q601, 651: 2SC632A (2SC1364)



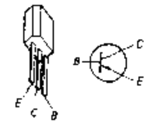
Q301, 351: 2SC634A (2SC632A)

Q401 – 403
Q407
: 2SC403C

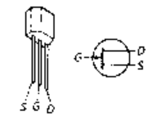
Q406: 2SC634A (2SC403C)



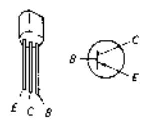
Q502, 552: 2SA705



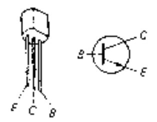
Q603, 653: 2SK23A-534 (2SK23A)



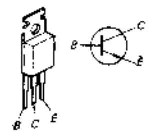
Q703, 753: 2SA896
Q706, 756: 2SA684 (2SA777)



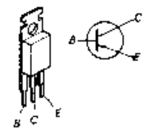
Q704, 754: 2SC1811
Q705, 755: 2SC1475 (2SC1509)



Q707, 757: 2SC1061 (2SD531)
Q801: 2SC1173 (2SD531)

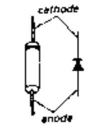


Q708, 758: 2SA671 (2SB521)

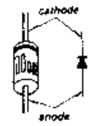


D201 – 203
D401, 402
D601, 651
: 1S1555 (1T40)

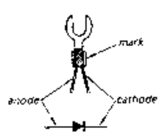
D403, 404: 1T22A
D805, 806: 10E2



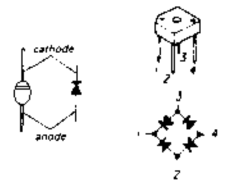
D602: EQB01-12 (EQA01-12)
D807: EQB01-16 (EQA01-16)



D701, 751: SV04F

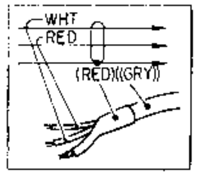


D801: U05G (S5VB)



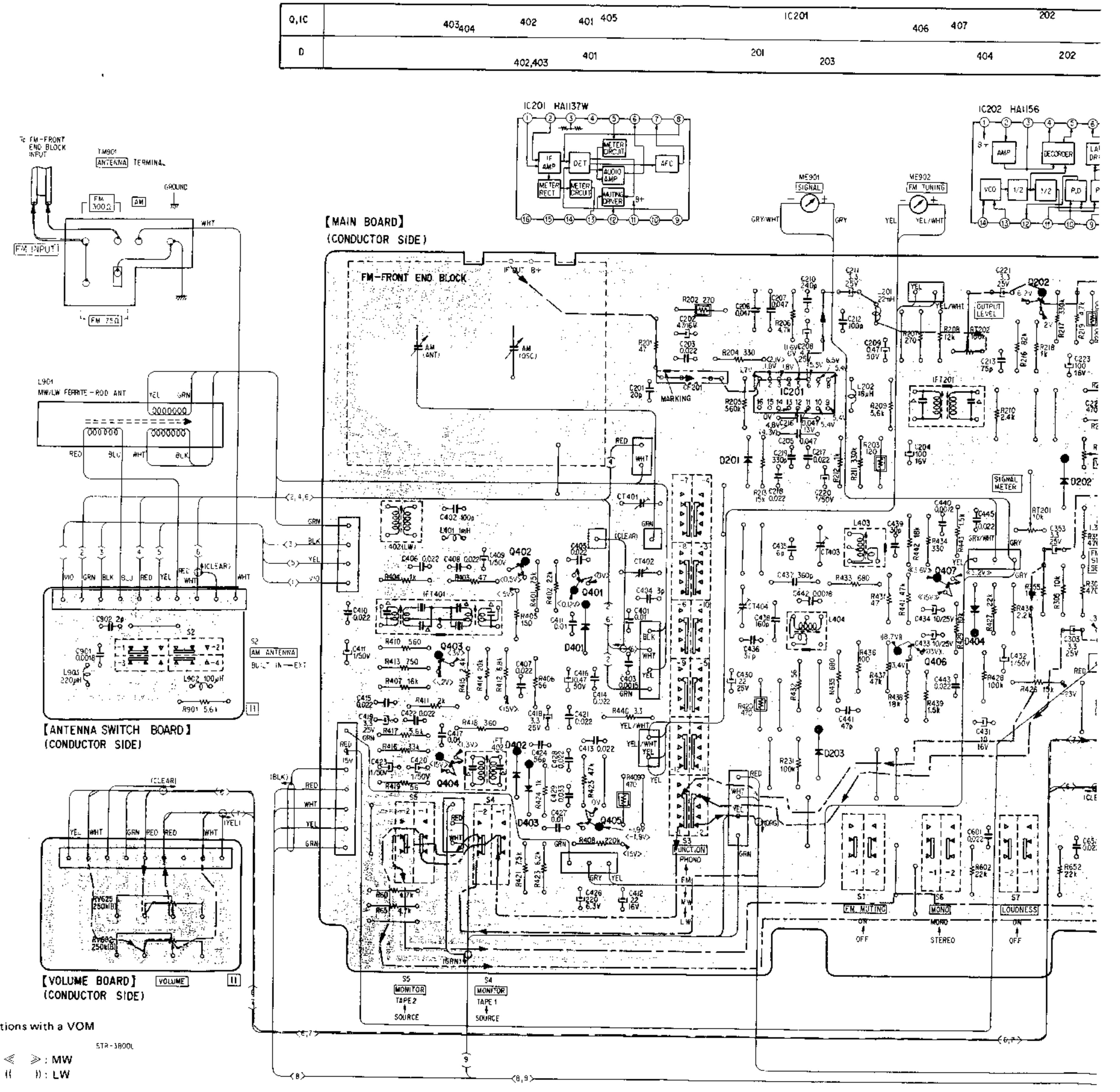
Note:

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



- : B+ pattern
- : B– pattern
- — · — : signal path { —·—: L-CH / —··—: R-CH
- ▲ : nonflammable resistor.
- Readings are taken under detuned conditions with a VOM (20 kΩ/V).
  ( ) : FM MUTING (S1) . . . ON   ≪ ≫ : MW
  [ ] : FM STEREO   (( )) : LW
  < > : AM (MW, LW)

STR-3800L



406 407 202 351 301 IC202 201 801 651 601 653 652 602 603 706 708 705 704 502 501 703,701 551 702 707 757 753 751,752 755 754 759 756 Q,IC

404 202 807 602 806 801 651 805 601 701 751 D

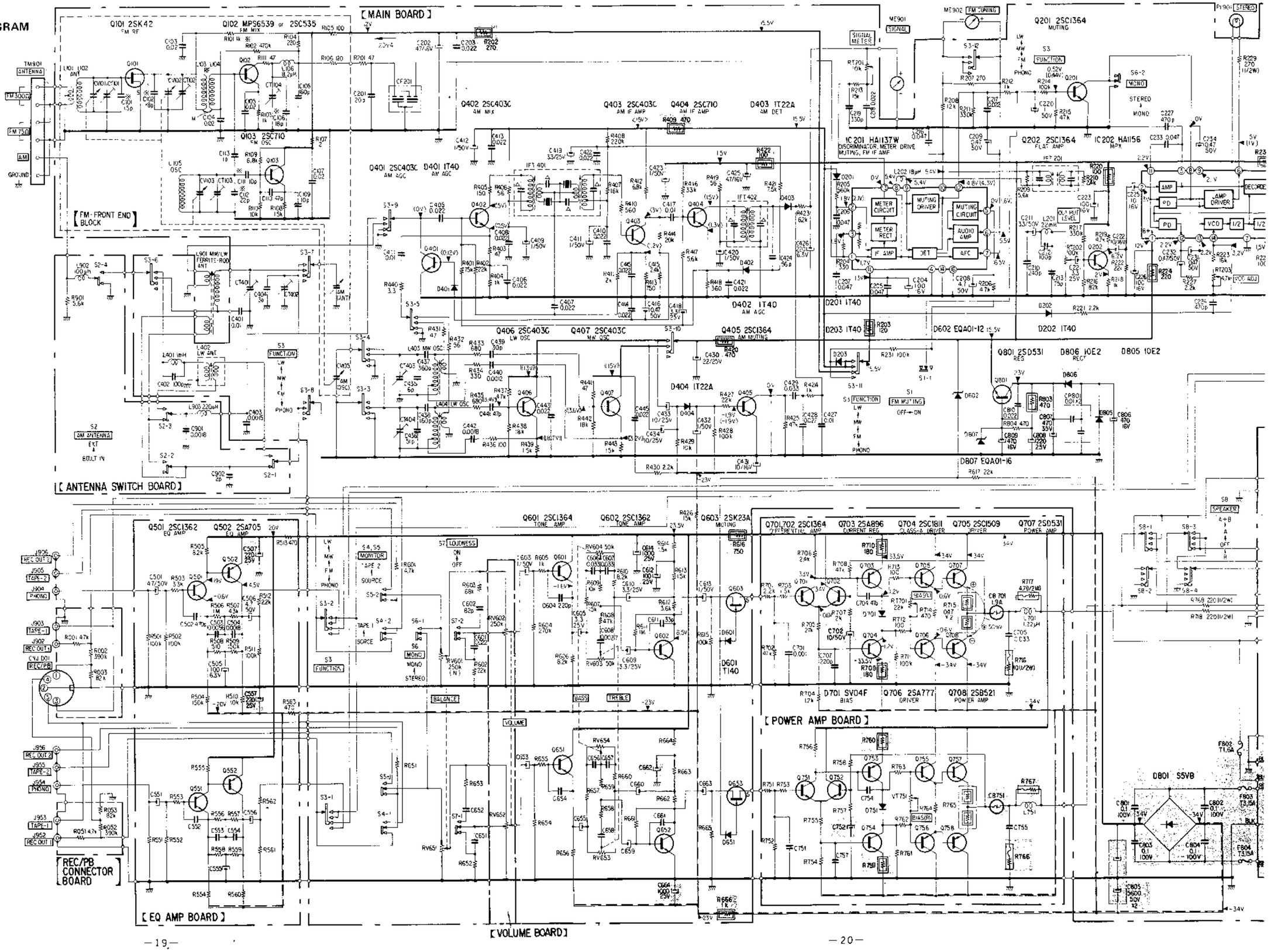
IC202 HA1156

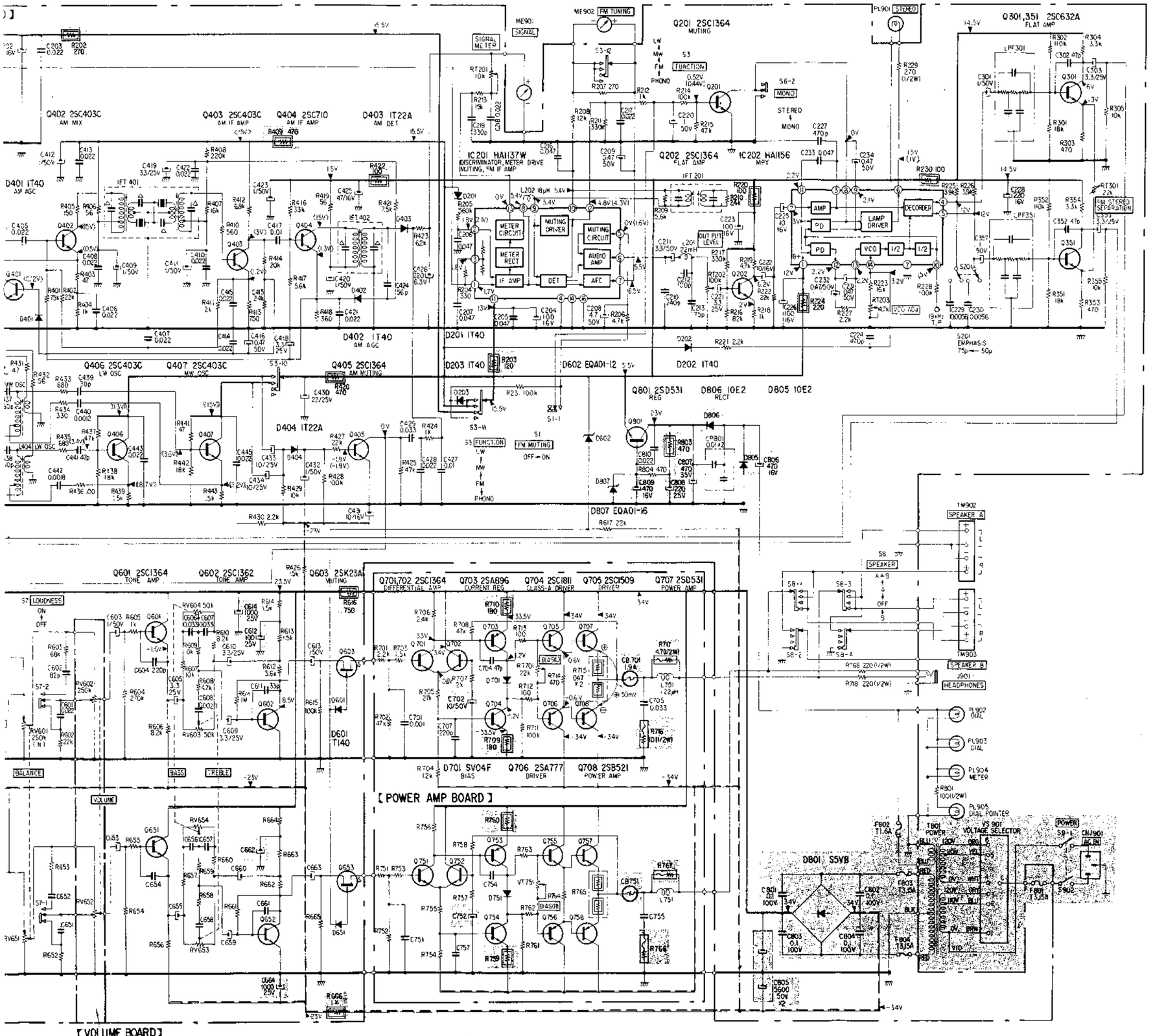
[POWER AMP BOARD] (COMPONENT SIDE)

[EQ AMP BOARD] (COMPONENT SIDE)

[REC/PB CONNECTOR BOARD] (CONDUCTOR SIDE)

4-4. SCHEMATIC DIAGRAM

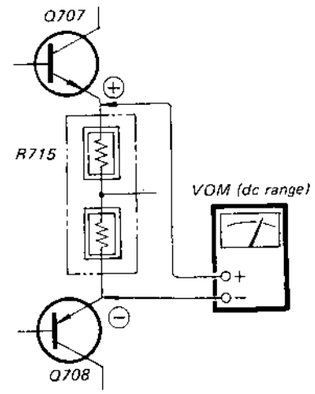




Note:

- 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, ¼ W unless otherwise noted. kΩ = 1000 Ω, MΩ = 1000 kΩ
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- Components for right channel have the same values as for left channel.
- ⏚ : chassis ground.
- ▭ : nonflammable resistor.
- ▭ : fusible resistor.
- ✱ : selected to yield optimum performance.
- △ : internal component.
- ⏚ : direct connection to points marked ⏚ on the chassis.
- ▭ : panel designation.
- ▭ : adjustment for repair.
- Readings are taken under detuned conditions with a VOM (20 kΩ/V).

  ( ) : FM MUTING (S1) . . . ON ≪ ≫ : MW
  [ ] : FM STEREO (( )) : LW
  < > : AM (MW, LW)
- ▬▬ : B+ bus.
- ▬ ▬ ▬ : B− bus.
- ⦿ : measured as shown below.

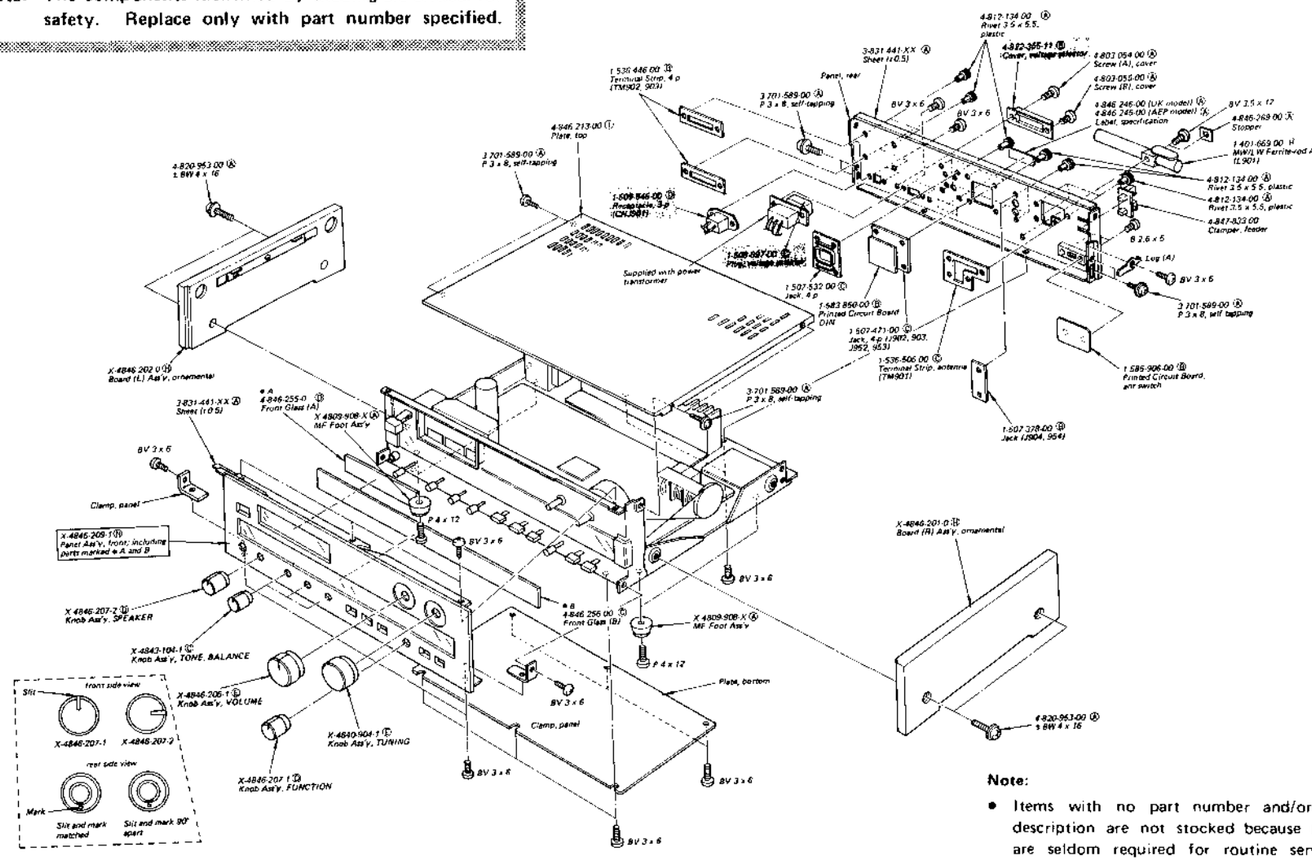


- Switch

Ref. No.	Switch	Position
S1	FM MUTING	OFF
S2	AM ANTENNA	BUILT IN
S3	FUNCTION	PHONO
S4	MONITOR	SOURCE
S5	MONITOR	SOURCE
S6	MONO	STEREO
S7	LOUDNESS	OFF
S8	SPEAKER	B
S9	POWER	OFF
S201	EMPHASIS	50μ

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

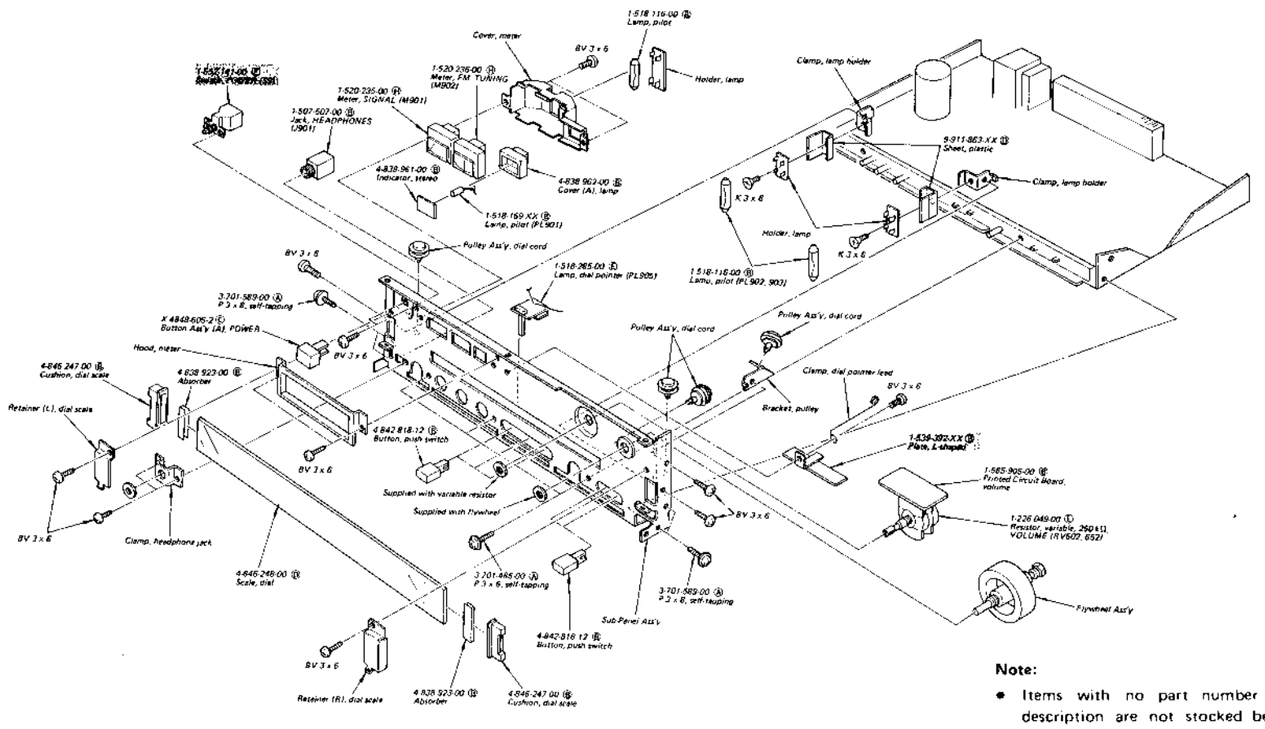
Note: The components identified by shading are critical for safety. Replace only with part number specified.



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.

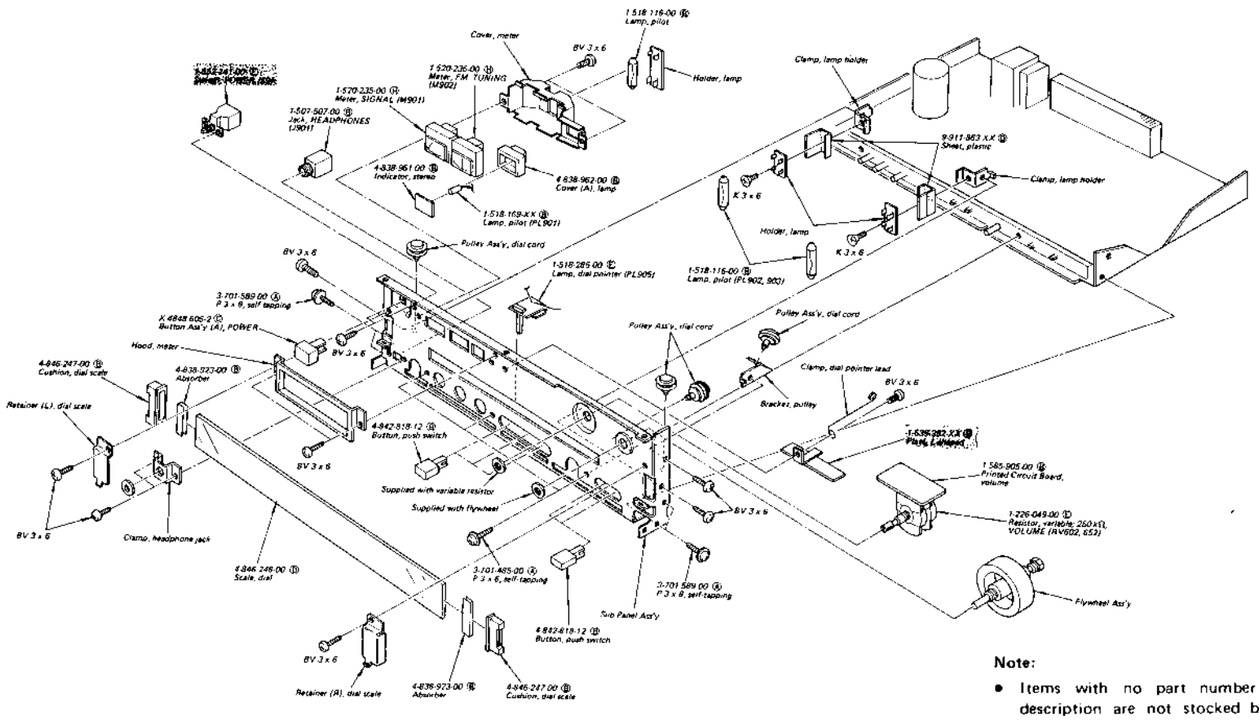
Note: The components identified by shading are critical for safety. Replace only with part number specified.



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.

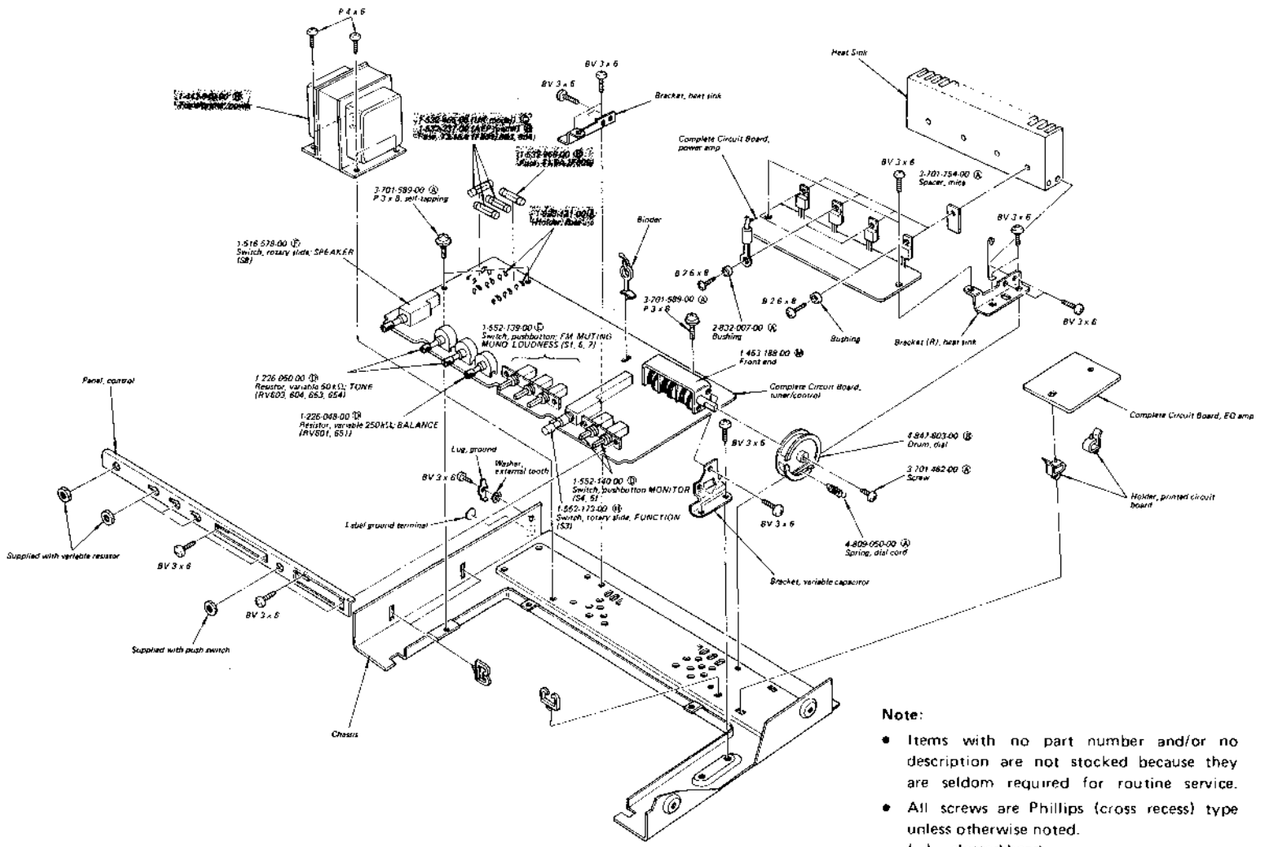
Note: The components identified by shading are critical for safety. Replace only with part number specified.



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 are critical for safety. Replace only with part number specified.



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.

SECTION 6

ELECTRICAL PARTS LIST

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

Ref. No.	Part No.	Description
		PRINTED CIRCUIT BOARDS
	1-583-850-00	Ⓑ DIN
	1-585-905-00	Ⓑ Volume
	1-585-906-00	Ⓑ Ant Switch
		SEMICONDUCTORS
		Transistors
⇒ Q201, 202		Ⓑ 2SC634A
⇒ Q301, 351		Ⓑ 2SC634A
Q401～403		Ⓓ 2SC403C
Q404		Ⓑ 2SC710
⇒ Q405, 406		Ⓑ 2SC634A
Q407		Ⓓ 2SC403C
⇒ Q501, 551		Ⓑ 2SC632A
Q502, 552		Ⓑ 2SA705
⇒ Q601, 651 ⇒ Q602, 652		Ⓑ 2SC632A
⇒ Q603, 653		Ⓒ 2SK23A-534
⇒ Q701, 751 ⇒ Q702, 752		Ⓑ 2SC634A
Q703, 753		Ⓒ 2SA896
Q704, 754		Ⓒ 2SC1811
⇒ Q705, 754		Ⓒ 2SC1475
⇒ Q706, 756		Ⓒ 2SA684
⇒ Q707, 757		Ⓓ 2SC1061
⇒ Q708, 758		Ⓔ 2SA671
IC201		Ⓗ HA-1137W
⇒ IC202		Ⓙ HA-1156
		Diode
⇒ D201～203		Ⓑ 1S1555
⇒ D401, 402		Ⓑ 1S1555
D403, 404		Ⓑ 1T22A
⇒ D601, 651		Ⓑ 1S1555
⇒ D602		Ⓑ EQB01-12
D701, 751		Ⓑ SV-04F
⇒ D801		Ⓒ U05G
D805, 806		Ⓑ 10E-2
⇒ D807		Ⓑ EQB01-16
		COILS
L201	1-407-210-XX	Ⓑ 22μH, microinductor
L202	1-407-741-00	Ⓐ 18μH, microinductor
L401	1-407-195-XX	Ⓑ 1mH, microinductor
L402	1-401-664-00	Ⓑ LW ANT
L403	1-405-732-11	Ⓑ MW OSC
L404	1-405-731-11	Ⓑ LW OSC
L901	1-401-669-00	Ⓗ MW/LW, ferrite-rod antenna
L902	1-407-169-XX	Ⓐ 100μH, microinductor
L903	1-407-173-XX	Ⓐ 220μH, microinductor
		TRANSFORMERS
IFT201	1-404-011-00	Ⓒ FM IFT
IFT401	1-403-963-21	Ⓔ AM IFT, 468 kHz
IFT402	1-403-149-00	Ⓑ AM IFT
T801	1-442-849-XX	Ⓡ Power
		CAPACITORS

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

C201	1-102-958-11	Ⓐ 20 p		
C202	1-121-409-11	Ⓐ 47	16 V	elect
C203	1-101-924-11	Ⓐ 0.022		
C204	1-121-415-11	Ⓑ 100	16 V	elect
C205～207	1-101-925-11	Ⓐ 0.047		
C208	1-121-395-11	Ⓐ 4.7	25 V	elect
C209	1-121-726-11	Ⓐ 0.47	50 V	elect
C210	1-102-979-11	Ⓐ 240 p		
C211	1-121-392-11	Ⓐ 3.3	25 V	elect
C212	1-102-973-11	Ⓐ 100 p		
C213	1-101-890-11	Ⓐ 75 p		
C216	1-101-925-11	Ⓐ 0.047		
C217, 218	1-101-924-11	Ⓐ 0.022		
C219	1-102-820-11	Ⓐ 330 p		
C220	1-121-391-11	Ⓐ 1	50 V	elect
C221	1-121-392-11	Ⓐ 3.3	25 V	elect
C222	1-121-916-11	Ⓑ 10	16 V	elect
C223	1-121-415-11	Ⓑ 100	16 V	elect
C224	1-103-717-11	Ⓐ 470 p		polystyrol
C225	1-121-916-11	Ⓑ 10	16 V	elect
C226	1-121-415-11	Ⓑ 100	16 V	elect
C227	1-102-824-11	Ⓐ 470 p		
C228	1-123-068-11	Ⓑ 220	16 V	elect
C229, 230	1-108-834-11	Ⓐ 0.0056		
C231	1-121-726-11	Ⓐ 0.47	50 V	elect
C233	1-108-845-12	Ⓐ 0.047		mylar
C234	1-121-726-11	Ⓐ 0.47	50 V	elect
C301, 351	1-121-912-11	Ⓐ 1	50 V	elect
C302, 352	1-101-880-11	Ⓐ 47 p		
C303, 353	1-121-913-11	Ⓐ 3.3	25 V	elect
C401	1-102-129-11	Ⓐ 0.01		
C402	1-102-973-11	Ⓐ 100 p		
C403	1-108-827-12	Ⓐ 0.0015		mylar
C404	1-102-936-11	Ⓐ 3 p		
C405～408	1-101-924-11	Ⓐ 0.022		
C409	1-121-391-11	Ⓐ 1	50 V	elect
C410	1-101-924-11	Ⓐ 0.022		
C411	1-121-391-11	Ⓐ 1	50 V	elect
C412	1-121-479-11	Ⓐ 22	16 V	elect
C413～415	1-101-924-11	Ⓐ 0.022		
C416	1-121-726-11	Ⓐ 0.47	50 V	elect
C417	1-102-129-11	Ⓐ 0.01		
C418, 419	1-121-392-11	Ⓐ 3.3	25 V	elect
C420	1-121-391-11	Ⓐ 1	50 V	elect
C421, 422	1-101-924-11	Ⓐ 0.022		
C423	1-121-391-11	Ⓐ 1	50 V	elect
C424	1-101-884-11	Ⓐ 56 p		
C425	1-121-409-11	Ⓐ 47	16 V	elect
C426	1-121-419-11	Ⓑ 220	6.3 V	elect
C427	1-108-239-12	Ⓐ 0.01		mylar
C428	1-108-242-12	Ⓐ 0.022		mylar
C429	1-108-244-12	Ⓐ 0.033		mylar
C430	1-121-480-11	Ⓐ 22	25 V	elect
C431	1-121-651-11	Ⓐ 10	16 V	elect
C432	1-121-391-11	Ⓐ 1	50 V	elect
C433, 434	1-121-398-11	Ⓐ 10	25 V	elect
C435	1-102-943-11	Ⓐ 6 p		
C436	1-101-882-11	Ⓐ 51 p		
C437	1-103-714-11	Ⓐ 360 p		polystyrol
C438	1-103-706-11	Ⓑ 160 p		polystyrol
C439	1-102-962-11	Ⓐ 30 p		
C440	1-108-826-12	Ⓐ 0.0012		mylar
C441	1-101-880-11	Ⓐ 47 p		
C442	1-108-352-12	Ⓐ 0.0018		mylar
C443	1-101-924-11	Ⓐ 0.022		
C444	1-102-129-11	Ⓐ 0.01		
C445	1-101-924-11	Ⓐ 0.022		
C501, 551	1-121-750-11	Ⓐ 4.7	50 V	elect
C502, 552	1-102-824-11	Ⓐ 470 p		
C503, 553	1-108-801-11	Ⓐ 0.0056		
C504, 554	1-108-795-12	Ⓐ 0.0018		mylar
C505, 555	1-121-413-11	Ⓐ 100	6.3 V	elect
C506, 556	1-121-750-11	Ⓐ 4.7	50 V	elect
C507, 557	1-121-936-11	Ⓑ 220	25 V	elect
C601, 651	1-108-242-12	Ⓐ 0.022		mylar
C602, 652	1-102-971-11	Ⓐ 82 p		
C603, 653	1-121-912-11	Ⓐ 1	50 V	elect
C604, 654	1-102-978-11	Ⓐ 220 p		
C605, 655	1-121-913-11	Ⓐ 3.3	25 V	elect

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

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

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

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

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

Ref. No.	Part No.	Description		
C606, 656, C607, 657	1-108-244-12	(A) 0.033		mylar
C608, 658	1-108-353-12	(A) 0.0027		mylar
C609, 659, C610, 660	1-121-913-11	(A) 3.3	25 V	elect
C611, 661	1-102-963-11	(A) 33 p		
C612, 662	1-121-935-11	(B) 100	25 V	elect
C613, 663	1-121-391-11	(A) 1	50 V	elect
C614, 664	1-123-066-11	(B) 1000	25 V	elect
C701, 751	1-108-227-12	(A) 0.001		mylar
C702, 752	1-123-183-11	(A) 10	50 V	elect
C704, 754	1-101-880-11	(A) 47 p		
C705, 755	1-108-244-12	(A) 0.033		mylar
C707, 757	1-102-978-11	(A) 220 p		
C801~804	1-108-389-12	(B) 0.1		mylar
C805	1-123-248-11	(K) 5600 + 5600	50 V	elect
C806	1-121-939-11	(B) 470	16 V	elect
C807	1-121-941-11	(B) 470	35 V	elect
C808	1-121-936-11	(B) 220	25 V	elect
C809	1-121-939-11	(B) 470	16 V	elect
C810	1-101-924-11	(A) 0.022		
C901	1-108-828-12	(A) 0.0018		mylar
C902	1-102-935-11	(A) 2 p		
CT401, 402	1-141-138-XX	(B) Trimmer		
CT403, 404	1-141-147-XX	(B) Trimmer		

RESISTORS

All resistors are in ohms. Common ¼W carbon resistors are omitted. Check schematic diagram for values.

R202	1-211-532-11	(A) 270	¼W	nonflammable
R203	1-211-524-11	(A) 120	¼W	nonflammable
R220	1-211-522-11	(A) 100	¼W	nonflammable
R224	1-211-530-11	(A) 220	¼W	nonflammable
R229	1-244-859-11	(A) 270	½W	
R230	1-211-522-11	(A) 100	¼W	nonflammable
R409, 420	1-211-538-11	(A) 470	¼W	nonflammable
R422	1-211-522-11	(A) 100	¼W	nonflammable
R616	1-211-543-11	(A) 750	¼W	nonflammable
R666	1-211-935-11	(A) 1 k	¼W	nonflammable
R709, 759, R710, 760	1-211-528-11	(A) 180	¼W	nonflammable
R715, 765	1-217-359-11	(B) 0.47 x 2	2W	metal oxide
R716, 766	1-212-958-11	(A) 10	½W	fusible
R717, 767	1-212-950-11	(A) 4.7	½W	fusible
R718, 768	1-244-857-11	(A) 220	½W	
R801	1-244-849-11	(A) 100	½W	
R803	1-211-538-11	(A) 470	¼W	nonflammable
RT201	1-224-645-XX	(B) 10 k, adjustable		
RT202	1-224-648-XX	(B) 100 k, adjustable		
RT203	1-224-644-XX	(B) 4.7 k, adjustable		
RT301	1-224-645-XX	(B) 22 k, adjustable		
RT701, 751	1-224-646-XX	(B) 22 k, adjustable		
RV601, 651	1-226-048-00	(D) 250 k/250 k, variable; BALANCE		
RV602, 652	1-226-049-00	(E) 250 k/250 k, variable; VOLUME		
RV603, 653, RV604, 654	1-226-050-00	(D) 50 k/50 k, variable; TREBLE, BASS		

SWITCHES

S1	1-552-139-00	(E) Push, FM MUTING
S2	1-516-783-XX	(C) Slide, AM ANTENNA
S3	1-552-173-00	(H) Rotary Slide, FUNCTION
S4, 5	1-552-140-00	(D) Push, MONITOR
S6, 7	1-552-139-00	(E) Push, MONO, LOUDNESS
S8	1-516-578-00	(F) Rotary Slide, SPEAKER
S9	1-552-141-00	(E) Push, POWER
S201	1-552-130-00	(B) EMPHASIS

JACKS

J901	1-507-507-00	(B) HEADPHONES
J902, 952, J903, 953	1-507-471-00	(C) TAPE-1, REC OUT 1
J904, 954	1-507-378-XX	(B) PHONO
J905, 955, J906, 956	1-507-532-00	(C) TAPE-2, REC OUT 2
CNJ001	1-509-549-00	(B) REC/PB
CNJ901	1-509-546-00	(D) Receptacle, AC IN

FUSES

F801	1-532-237-00	(B) Fuse, T3.15A (AEP Model)
	1-532-465-00	(C) Fuse, T3.15A (UK Model)
F802	1-532-259-00	(B) Fuse, T1.6A
F803, 804	1-532-237-00	(B) Fuse, T3.15A (AEP Model)
	1-532-465-00	(C) Fuse, T3.15A (UK Model)

MISCELLANEOUS

CB701, 751	1-532-380-61	(E) Breaker, 1.9 A
CF201	1-527-278-XX	(F) Filter, ceramic
CP801	1-102-394-11	(A) Encapsulated Component
LPF301, 351	1-231-224-00	(B) Encapsulated Component
ME901	1-520-235-00	(H) Meter, SIGNAL
ME902	1-520-236-00	(H) Meter, FM TUNING
PL901	1-518-169-XX	(B) Lamp, pilot
PL902~904	1-518-116-00	(B) Lamp, pilot
PL905	1-518-285-00	(E) Lamp, dial pointer
TM901	1-536-506-00	(C) Terminal Strip, ANTENNA
TM902, 903	1-536-446-XX	(B) Terminal Strip, 4-P, SPEAKER A, B
	1-463-188-00	(M) Front-end
	1-508-897-00	(C) Plug, voltage selector
	1-539-392-XX	(B) Plate, L-shaped
	1-533-131-00	(A) Holder, fuse

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

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

ACCESSORIES & PACKING MATERIALS

Part No.	Description
X-4490-002-2	(B) Silicon Cloth Ass'y
1-501-161-00	(F) Feeder, antenna
1-534-819-00	(G) Cord, 3-P power (UK Model)
3-701-630-00	(A) Bag, plastic, accessories
3-770-222-11	(E) Manual Instruction
4-828-909-00	(B) Bag, plastic
4-846-217-00	(C) Cushion
4-846-257-00	(H) Carton

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

9-958-388-01

Sony Corporation

7D0572-1
Printed in Japan