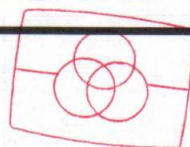


STR-AV270X/AV370X

SERVICE MANUAL



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AEP Model

UK Model

E Model



Photo: STR-AV370X

SPECIFICATIONS

Amplifier section

Continuous RMS power output (8 ohms, at 1 kHz less than 0.8% total harmonic distortion)

STR-AV270X : 30W+30W

STR-AV370X : 50W+50W

Dynamic power (at 1 kHz IHF)

55W+55W (8 ohms)

Harmonic distortion

Less than 0.8% at rated output

Frequency response

PHONO: RIAA equalization curve ± 0.5 dB

CD
VIDEO
TAPE

10Hz – 50kHz: ± 0 dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.5mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD VIDEO TAPE	150mV	50 kilohms	95 dB 80 dB* (A, 150 mV)

* 78 IHF

Outputs

REC OUT, VIDEO (AUDIO) OUT	Voltage 150 mV Impedance 10 kilohms
SPEAKER A, B	Accepts speakers of 8 – 16 ohms
HEADPHONES	Accepts low and high impedance headphones

Tone controls

BASS: ± 10 dB at 100 Hz

TREBLE: ± 10 dB at 10 kHz

Muting

– 20 dB

DBFB

+12 dB at 70Hz

Tuner section

	FM tuner section	AM tuner section
Tuning range	87.5 – 108 MHz	531 – 1,602 kHz (with the AM tuning interval set at 9 kHz) 530 – 1,710 kHz (with the AM tuning interval set at 10 kHz) (E model)
Antenna terminals	300 ohms, balanced 75 ohms, unbalanced	External antenna terminal

– Continued on next page –

FM STEREO/FM-AM RECEIVER

SONY®



Sensitivity at 50 dB quieting	18.3 dBf, 4.5 μ V (mono) 38.3 dBf, 45 μ V (stereo)	—
Usable sensitivity	11.2 dBf, 2 μ V (IHF)	Loop antenna: 500 μ V (at 1,000 kHz)
Signal-to-noise ratio	76 dB (mono) 70 dB (stereo)	54 dB (at 50 mV/m)
Harmonic distortion	0.3% (mono), 0.5% (stereo) at 1 kHz	0.5% (at 50 mV/m, 400 Hz)
Selectivity	60 dB at 400 kHz	40 dB at 10 kHz
Separation	45 dB at 1 kHz	—
Frequency response	30 Hz — 15 kHz ± 0.5 dB	—

General System

- Tuner section: PLL quart-locked digital synthesizer system
- Preanplifier section: low-noise NF type equalizer amp
- Power amplifier section: quasi-complementary SEPP
- Power requirements
 - AEP, Germany models: 220V AC, 50/60 Hz
 - UK model: 240V AC, 50/60 Hz
 - E model: 110-120V, 220-230V, 240V AC, adjustable, 50/60 Hz
- Power consumption
 - STR-AV270X: 60W
 - STR-AV370X: 115W
 - In standby condition: 5W (STR-AV370X)
- AC outlets
 - One switched (100W) (STR-AV370X)
- Dimensions
 - Approx. 430 × 122.5 × 300mm (w/h/d)
 - (17 × 4 ⁷/₈ × 11 ⁷/₈ inches)
 - including projecting parts and controls
- Weight
 - STR-AV270X: Approx. 5.5 kg (12 lb 2 oz)
 - STR-AV370X: Approx. 6.5 kg (14 lb 5 oz)
- Accessories supplied
 - FM wire antenna (1)
 - AM loop antenna (1)
 - Remote Commander (1) (STR-AV370X)
 - Sony batteries SUM 3(NS) (2)

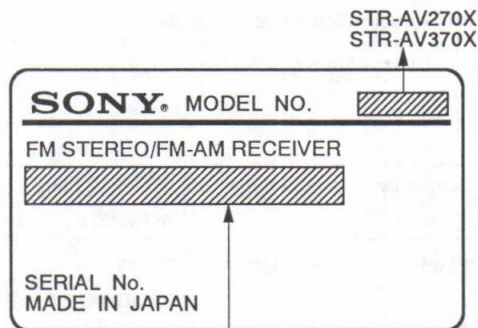
Design and specifications subject to change without notice.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
	Specifications	1
	Model Identification	2
1. GENERAL		
	Location and Function of Controls	3
	Receiving FM/AM Broadcasts	4
2. ELECTRICAL ADJUSTMENTS		6
3. DIAGRAMS		
3-1.	Block Diagram	7
3-2.	Printed Wiring Boards — Main Section —	11
3-3.	Schematic Diagram — Main Section —	15
3-4.	Printed Wiring Boards — Tuner Section —	19
3-5.	Schematic Diagram — Tuner Section —	20
3-6.	Explanation of IC301 (μ PD75206)	23
4. EXPLODED VIEWS		25
5. ELECTRICAL PARTS LIST		27

MODEL IDENTIFICATION

— Specification Labels —



- AEP, Germany model: AC: 220 — 230 V ~ 50/60Hz
- UK model: AC: 240 V ~ 50/60 Hz
- E model: AC: 120/220/240 V ~ 50/60 Hz
115 W

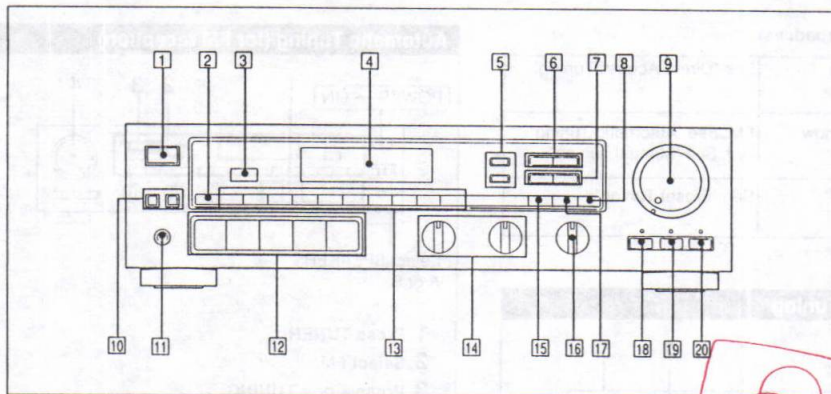
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle 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.

This section is extracted from instruction manual.

SECTION 1 GENERAL

Location and Function of Controls

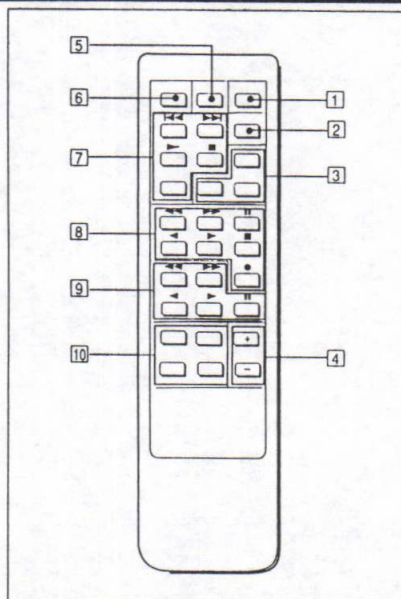


- 1 POWER switch
- 2 SHIFT button
- 3 Remote sensor (STR-AV23/AV370X/AV570X)
- 4 Display window
- 5 BAND selectors
- 6 TUNING +/- buttons
- 7 PRESET +/- buttons
- 8 FM MODE button
When an FM stereo program is noisy or hard to receive, press this button. The STEREO indicator goes out (the sound is heard in monaural, but the reception will be improved). To return to the stereo mode, press again or change the frequency.
- 9 VOLUME control and Indicator (STR-AV370X)
- 10 SPEAKERS selectors
Depress to select which speaker system to drive. For both speaker systems, depress A and B.
- 11 HEADPHONES jack (stereo phone jack)
Connect the headphones to this jack for private listening.
- 12 Function selectors
- 13 Numeric buttons
- 14 TONE controls
Turn the TREBLE control to adjust the high frequency sound. Turn BASS control to adjust the low frequency sound.
- 15 MEMORY button
- 16 BALANCE control
Adjust to correct stereo imaging, when the speaker position is not symmetrical.
- 17 DIRECT TUNING button
- 18 DBFB (Dynamic Bass Feed Back) button and Indicator
To reinforce the bass frequency sound, press this button.
- 19 MUTING button and Indicator (STR-AV370X)
Press to attenuate the sound level immediately (-20 dB attenuation). Pressing this button makes the indicator be lighted. To restore the sound level, press again.
- 20 SURROUND button and indicator
To obtain the surround effect, press this button.


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Remote Commander RM-S103 (STR-AV370X)



- 1 POWER button
- 2 DBFB button
- 3 TUNER PRESET +/- and SHIFT buttons
- 4 VOLUME +/- buttons
- 5 SURROUND button
- 6 MUTING button
- 7 CD player operation buttons
D. (disc) SKIP: When your CD player is equipped with a multi-disc changer, use this button to select loaded disc.
CD ►: Selects the CD function and starts CD playback.
- 8 DECK B operation buttons (also for single tape deck)
DECK B ◀▶: Select tape function and start tape playback on deck B.
- 9 DECK A operation buttons
DECK A ◀▶: Select tape function and start tape playback on deck A.
- 10 Function select buttons

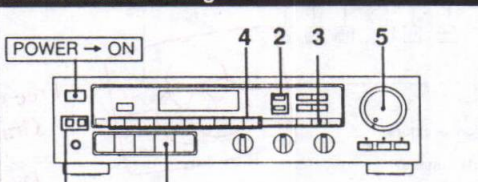
Notes on the remote commander
For the functions other than the receiver's own ones, the remote commander is effective only with Sony components having a  mark.

Receiving FM/AM Broadcasts

How to receive a broadcast

When you know the frequency	See "Direct Access Tuning".
When you do not know the frequency	FM: See "Automatic Tuning". AM: See "Manual Tuning".
Tuning in a preset frequency	See "Preset Tuning".

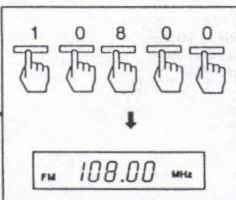
Direct Access Tuning



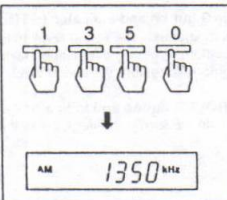
Select SPEAKERS A or B.

- 1 Press TUNER.
- 2 Select FM or AM.
- 3 Press TUNING DIRECT.
- 4 Press the appropriate numeric buttons to enter the frequency. (See examples below.)
- 5 Adjust the volume.

Example 1: FM 108.00 MHz



Example 2: AM 1350 kHz



For entering AM frequencies

You do not need to enter the last '0'.

Correcting the entered frequency

Repeat the above steps from the beginning.

If the frequency figures flash in the display window

The entered number is outside the receiver's frequency range (FM 87.5 to 108 MHz; AM 530 to 1710 kHz). Enter the correct frequency.

Changing the AM tuning interval

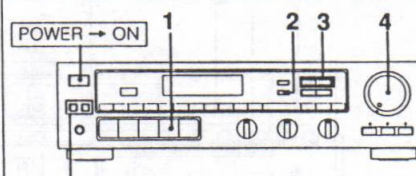
The AM tuning interval is preset to 9 kHz. To use the receiver where the frequency allocation system is based on a 10 kHz interval, make the following adjustments.

- 1 Turn on the power and tune in any AM station.
 - 2 Turn off the power.
 - 3 Press POWER while pressing PRESET "+" or "-".
- To reset the AM tuning interval, repeat the above steps.

Caution

When the interval is changed, all preset stations which you have memorized will be erased. After changing the interval, be sure to preset the stations again.

Automatic Tuning (for FM reception)



Select SPEAKERS A or B.

- 1 Press TUNER.
- 2 Select FM.
- 3 Press + or - TUNING.

When a station is received, automatic tuning stops automatically. To change the station, press + or - again.

- 4 Adjust the volume.

When sweeping does not stop at the desired station

The signal strength is weak. Tune in the station as described in "Direct Access Tuning".

Manual Tuning (for AM reception)

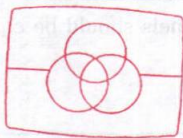
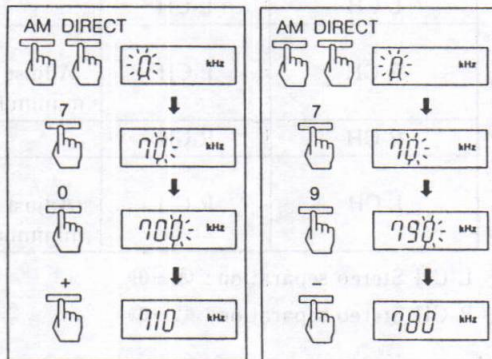
POWER → ON

Select SPEAKERS
A or B.

- 1 Press TUNER.
- 2 Select AM.
- 3 Press + or - TUNING.
- 4 Adjust the volume.

Each time + or - is pressed, the frequency will change by 10 kHz. To change the frequency continuously, keep the button pressed.

Quickly tuning in a roughly known frequency
 Proceed as the following example.
 Example: The station between AM 700 and AM 800 kHz.



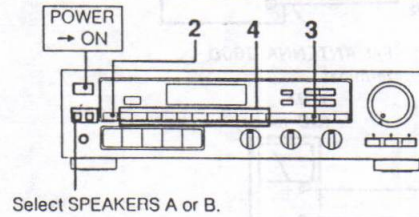
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Preset Tuning

A total of 30 FM/AM stations can be memorized in any desired sequence.

Memorizing a Station



Repeat above steps for presetting other desired stations.

Use of memory pages

The memory pages (A, B and C) can be used to classify stations according to the music category, station band, etc.

Replacing a preset station

Preset another station on the number of the station to be replaced. The previously preset station will be erased.

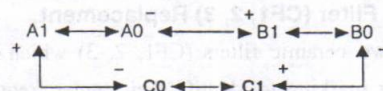
Tuning in a Preset Station

Method A: Direct

- 1 Press TUNER.
- 2 Press SHIFT to select memory page (A, B or C).
- 3 Press the preset numeric button.
- 4 Adjust the volume.

Method B: Scan

- 1 Press TUNER.
- 2 Press + or - PRESET. Each time you press + or -, the preset station of the next higher or lower number is tuned in.



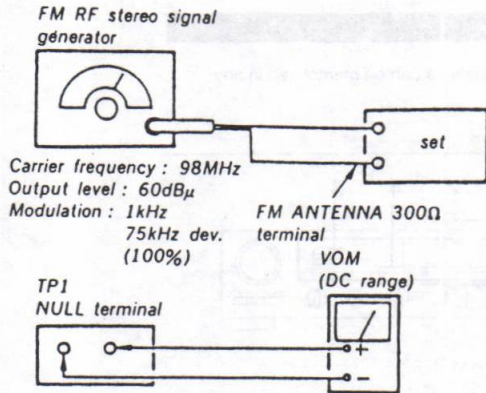
- If you keep pressing + or -, preset stations are successively tuned in. Release the button when the desired preset station is tuned in.
- 3 Adjust the volume.

SECTION 2 ELECTRICAL ADJUSTMENTS

FM SECTION

• FM Discriminator (NULL) Adjustment

Setting :



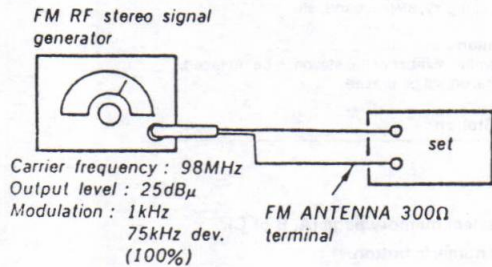
Procedure :

1. Tune the set to 98MHz.
2. Adjust T21 for 0V reading on the VOM.

Note : FM Tuning Level adjustment should be made after FM discriminator adjustment.

• FM Stereo Operation Level Adjustment

Setting :

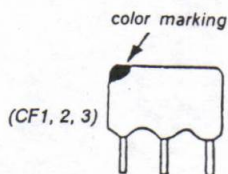


Procedure :

1. Tune the set to 98MHz.
2. Adjust RV24 so that the STEREO LED goes on.

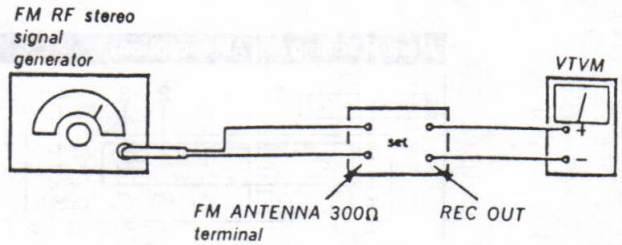
Note on Ceramic Filter (CF1, 2, 3) Replacement.

This set employs two ceramic filters (CF1, 2, 3) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by (* A, * B) connection is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.



• FM Stereo Separation Adjustment

Setting :



Carrier frequency : 98MHz
Output level : 60dB μ
Modulation :
Audio (1kHz) : 33.75kHz dev. (45%)
Pilot (19kHz) : 7.5kHz dev. (10%)
Sub-channel (38kHz) : 33.75kHz dev. (45%)

Procedure :

Tune the set to 98MHz.

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	(A)
R-CH	L-CH	(B) Adjust RV21 for minimum reading.
R-CH	R-CH	(C)
L-CH	R-CH	(D) Adjust RV21 for minimum reading.

L-CH Stereo separation : (A) - (B)

R-CH Stereo separation : (C) - (D)

The separations of both channels should be equal.

○ : short

× : open

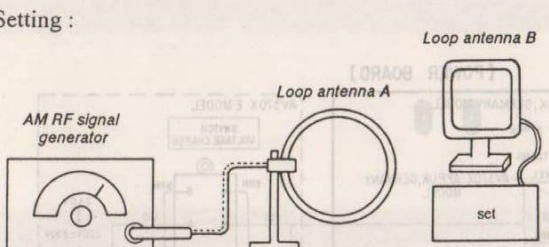
Ceramic filter		Connection		FM intermediate frequency (MHz)
Color mark	Center frequency (MHz)	* A (D326)	* B (D327)	
White	10.750	×	○	10.750
Red	10.700	×	×	10.700
Black	10.650	○	○	10.650

SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM

AM SECTION

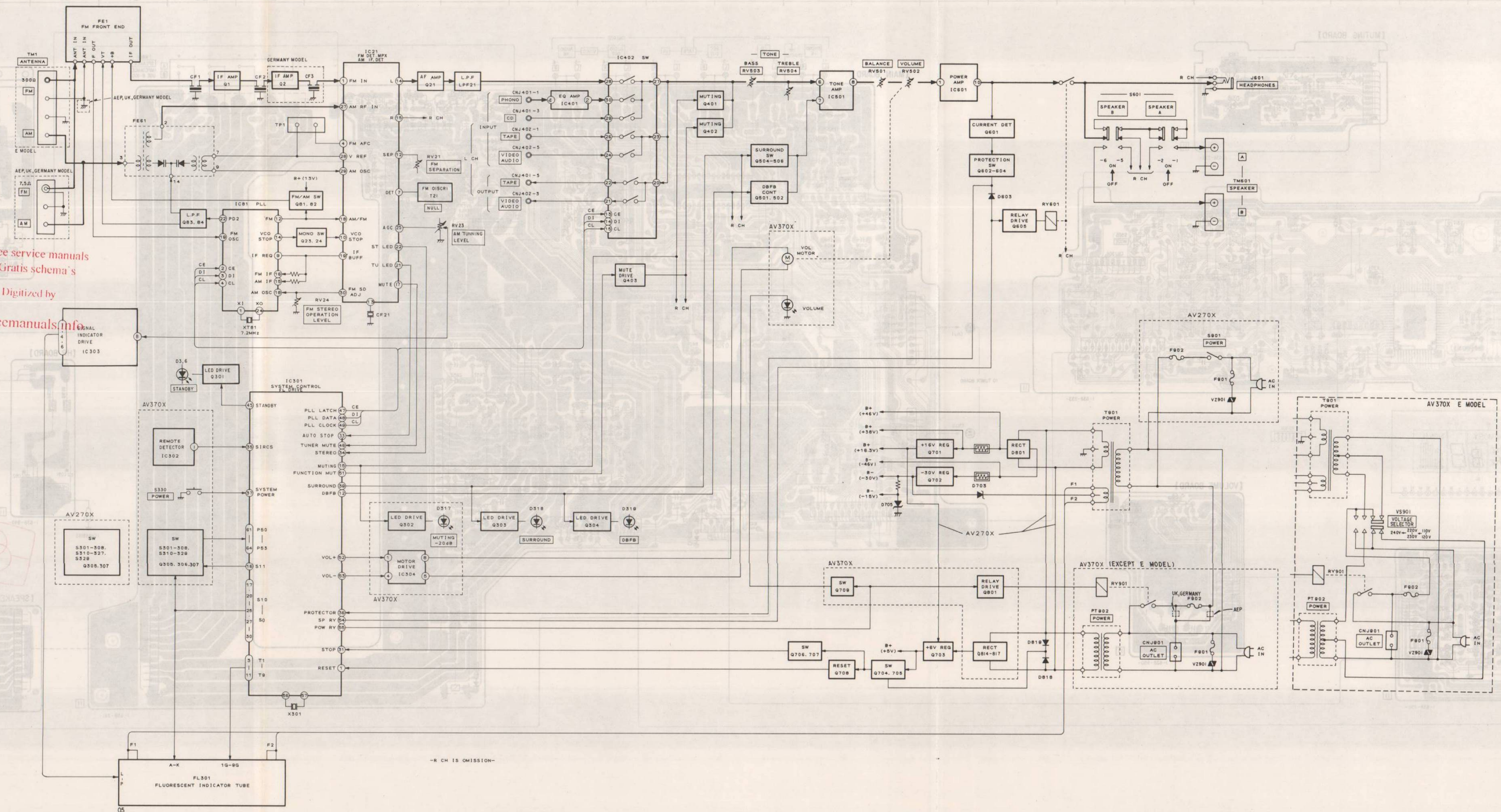
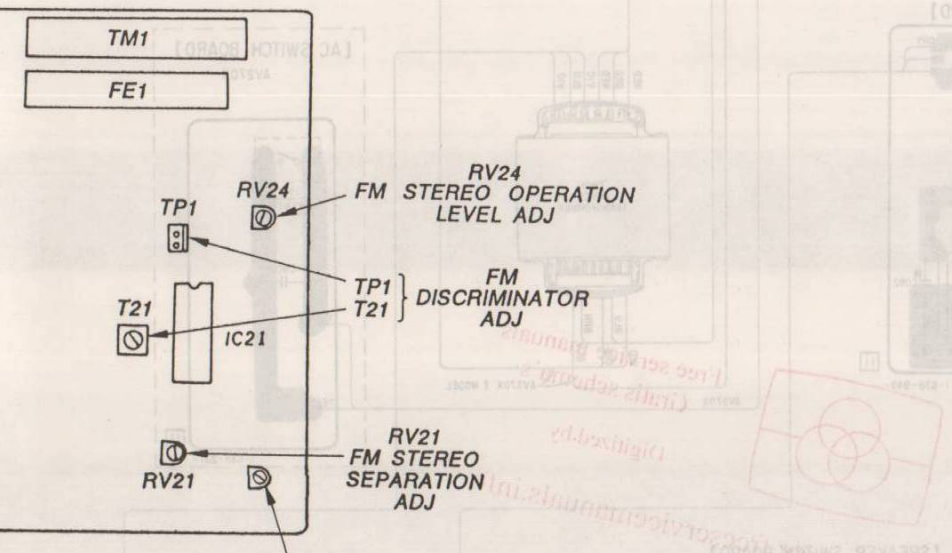
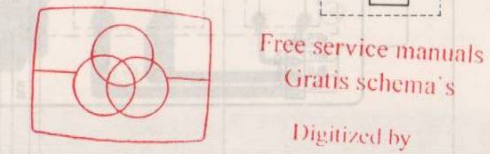
• AM Meter Adjustment



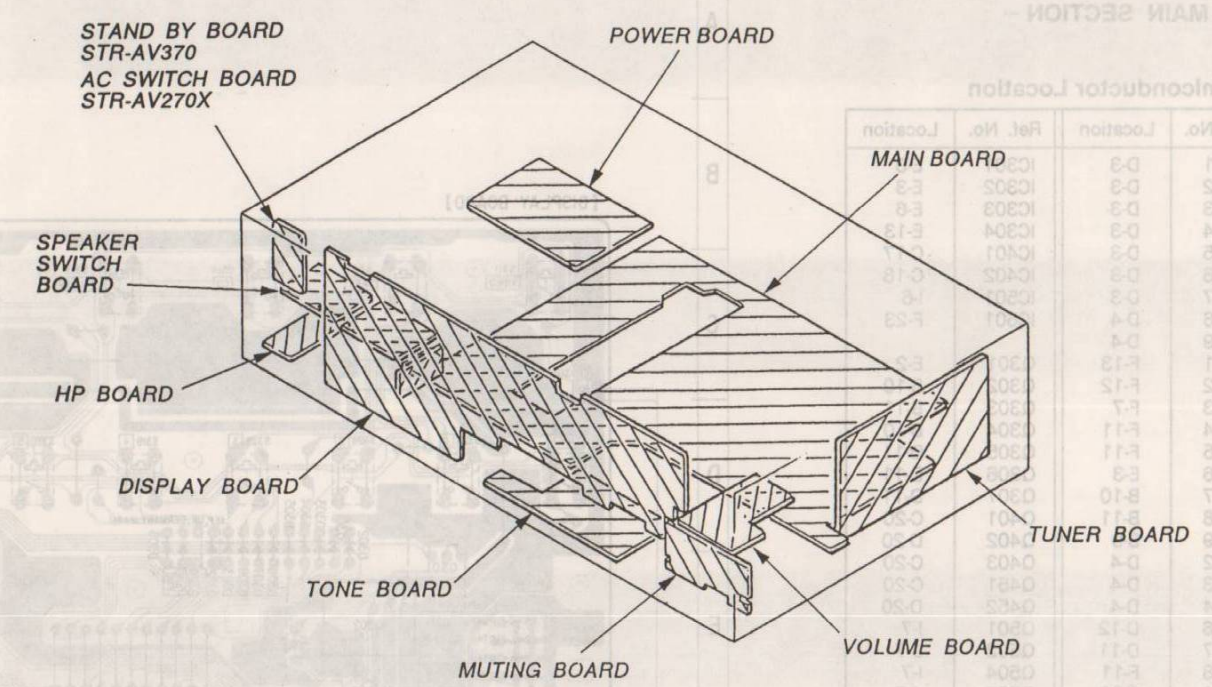
Carrier frequency: 999kHz
30% amplitude modulation by 400Hz signal

Procedure:

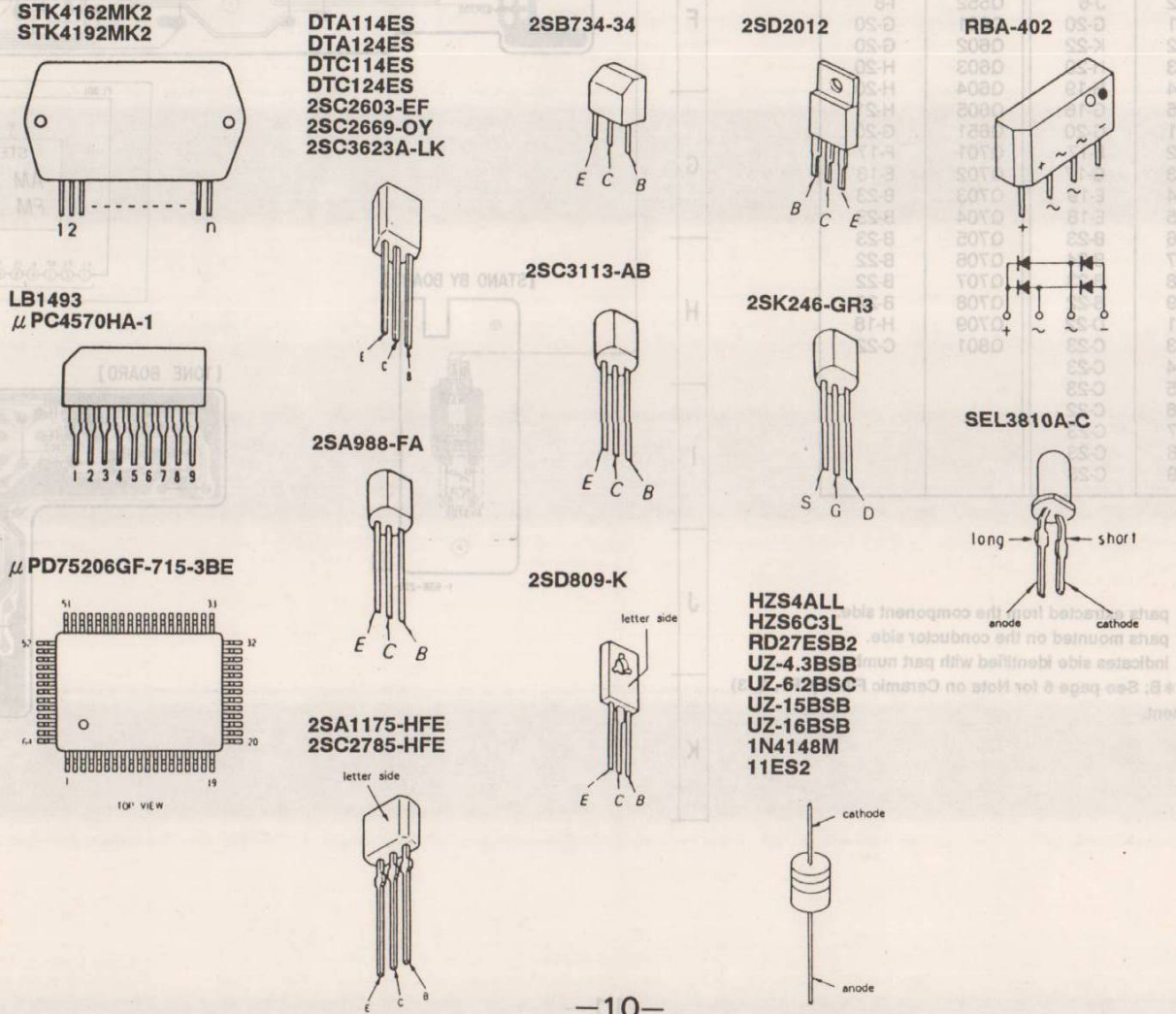
1. Set loop antenna A so that the loop antenna B input level becomes 50.1mV (94dB/m)
2. Tune the set to 999kHz.
3. Adjust the RV23 so that the 5 point segment of the signal meter goes on.



• CIRCUIT BOARDS LOCATION



• Semiconductor Lead Layouts

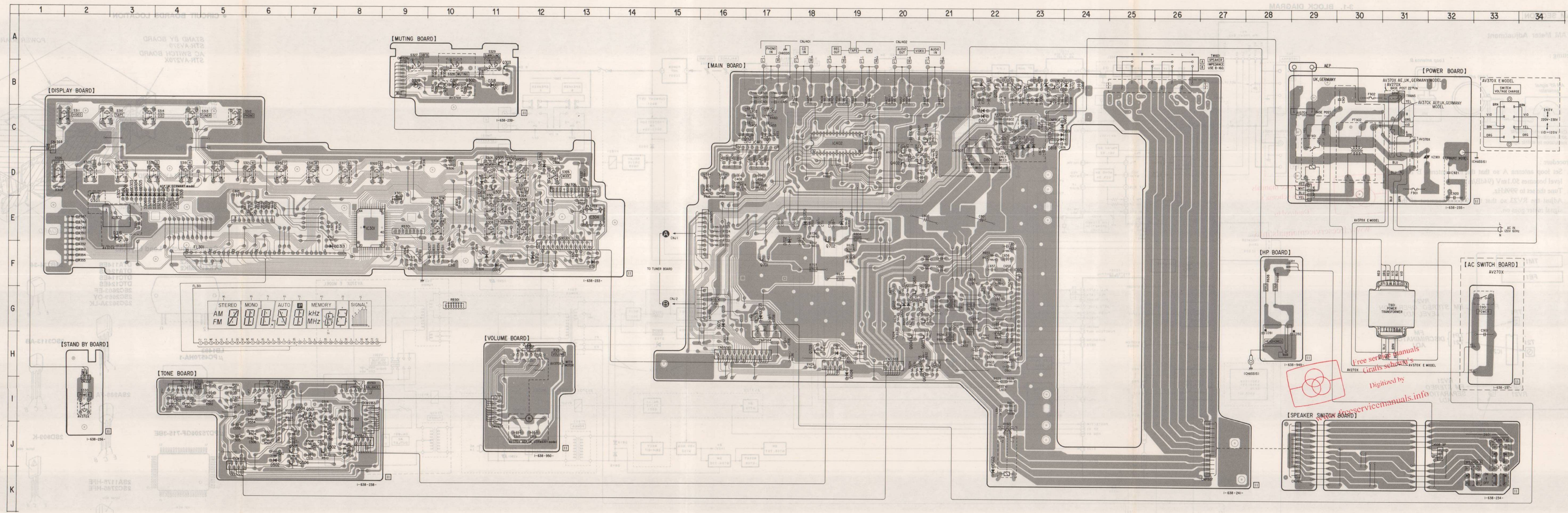


3-2. PRINTED WIRING BOARDS

- MAIN SECTION -

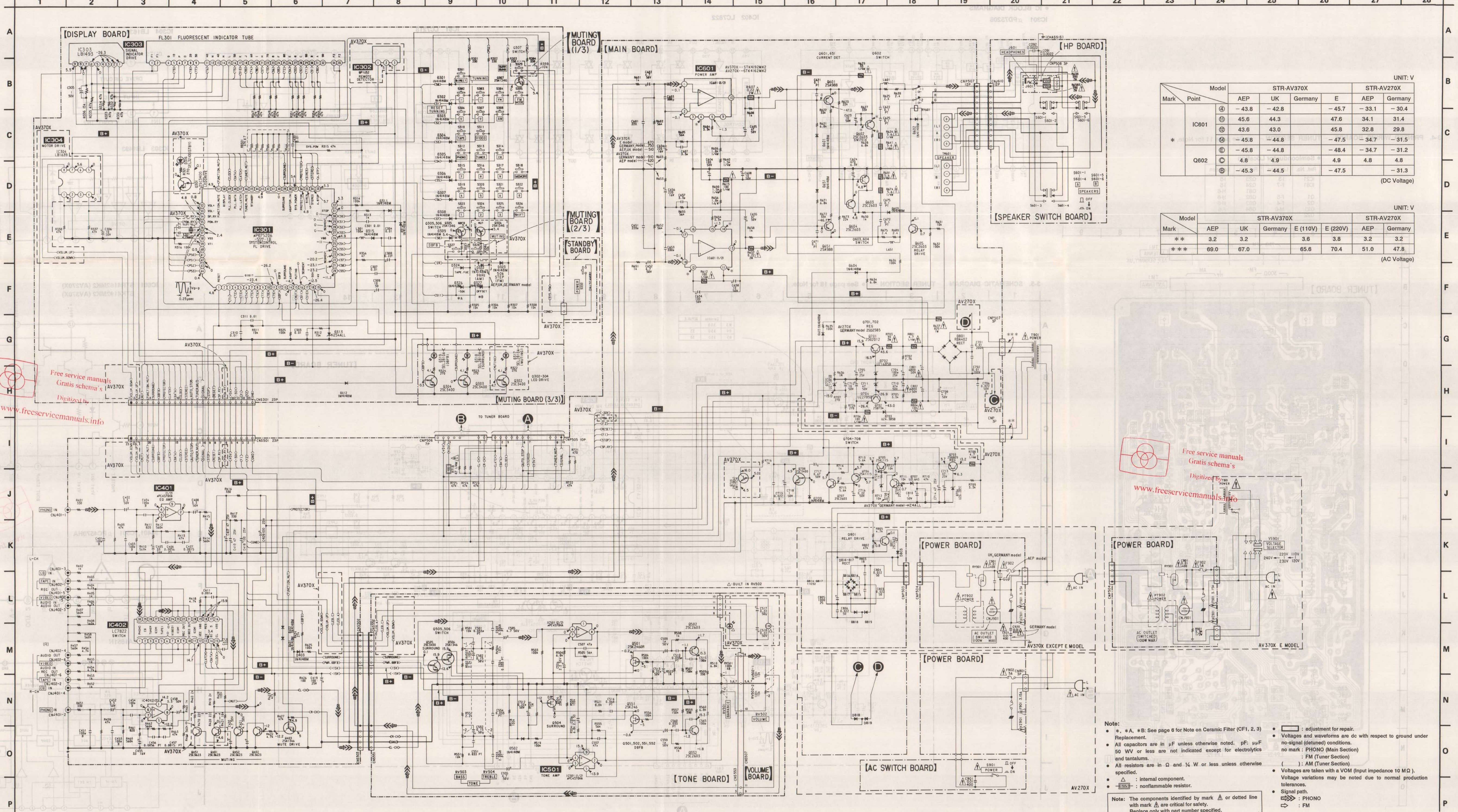
Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D301	D-3	IC301	E-8
D302	D-3	IC302	E-3
D303	D-3	IC303	E-6
D304	D-3	IC304	E-13
D305	D-3	IC401	C-17
D306	D-3	IC402	C-18
D307	D-3	IC501	I-6
D308	D-4	IC601	F-23
D309	D-4		
D311	F-13	Q301	E-2
D312	F-12	Q302	B-10
D313	F-7	Q303	B-11
D314	F-11	Q304	B-10
D315	F-11	Q305	D-11
D316	E-3	Q306	D-11
D317	B-10	Q307	D-11
D318	B-11	Q401	C-20
D319	B-9	Q402	D-20
D322	D-4	Q403	C-20
D323	D-4	Q451	C-20
D324	D-4	Q452	D-20
D326	D-12	Q501	I-7
D327	D-11	Q502	J-7
D328	F-11	Q504	I-7
D401	C-22	Q505	J-7
D402	C-22	Q506	J-7
D403	H-19	Q551	I-7
D502	J-6	Q552	I-8
D601	G-20	Q601	G-20
D602	K-22	Q602	G-20
D603	H-20	Q603	H-20
D604	H-19	Q604	H-20
D605	G-16	Q605	H-21
D651	G-20	Q651	G-20
D702	E-17	Q701	F-17
D703	G-17	Q702	E-18
D704	E-19	Q703	B-23
D705	E-18	Q704	B-23
D706	B-23	Q705	B-23
D707	B-24	Q706	B-22
D708	B-23	Q707	B-22
D709	B-22	Q708	B-22
D801	D-22	Q709	H-18
D803	C-23	Q801	C-22
D814	C-23		
D815	C-23		
D816	C-22		
D817	C-23		
D818	C-23		
D819	C-23		



Note:

- : parts extracted from the component side.
- : parts mounted on the conductor side.
- : indicates side identified with part number.
- * , *A , *B : See page 6 for Note on Ceramic Filter (CF1, 2, 3) Replacement.



UNIT: V

Mark	Point	STR-AV370X				STR-AV270X	
		AEP	UK	Germany	E	AEP	Germany
*	①	-43.8	-42.8		-45.7	-33.1	-30.4
	②	45.6	44.3		47.6	34.1	31.4
	③	43.6	43.0		45.8	32.8	29.8
	④	-45.8	-44.8		-47.5	-34.7	-31.5
Q	ⓐ	-45.8	-44.8		-48.4	-34.7	-31.2
	ⓑ	4.8	4.9		4.9	4.8	4.8
							(DC Voltage)

UNIT: V

Mark	Model	STR-AV370X				STR-AV270X		
		AEP	UK	Germany	E (110V)	E (220V)	AEP	Germany
*	**	3.2	3.2		3.6	3.8	3.2	3.2
*	***	69.0	67.0		65.6	70.4	51.0	47.8
							(AC Voltage)	

Note:

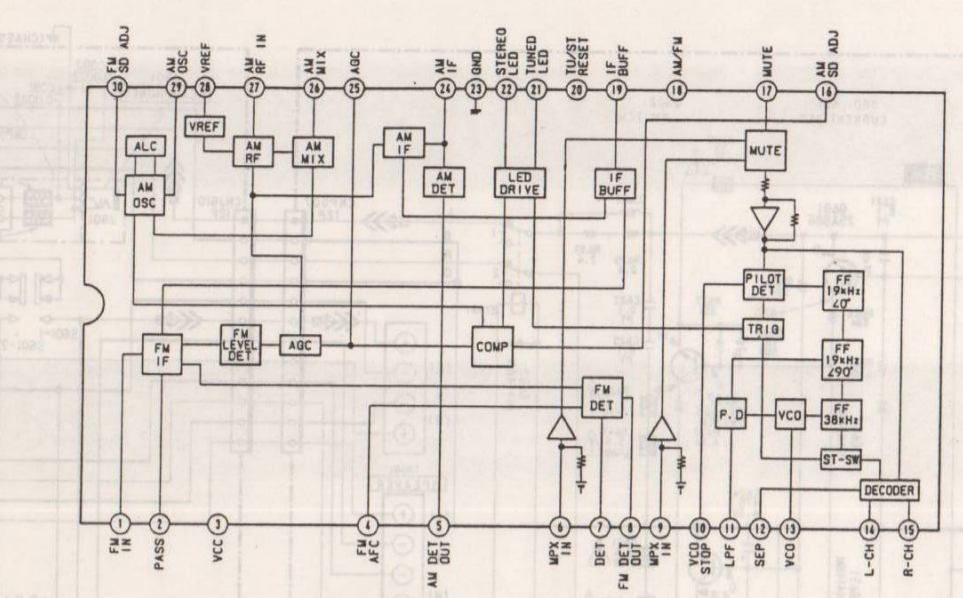
- * , *A , *B: See page 6 for Note on Ceramic Filter (CF1, 2, 3) Replacement.
- All capacitors are in μF unless otherwise noted. pF: μpF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}$ W or less unless otherwise specified.
- Δ : internal component.
- ∇ : nonflammable resistor.
- \square : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark: PHONO (Main Section)
- (): FM (Tuner Section)
- (): AM (Tuner Section)
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path:
 - \Rightarrow : PHONO
 - \leftarrow : FM

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

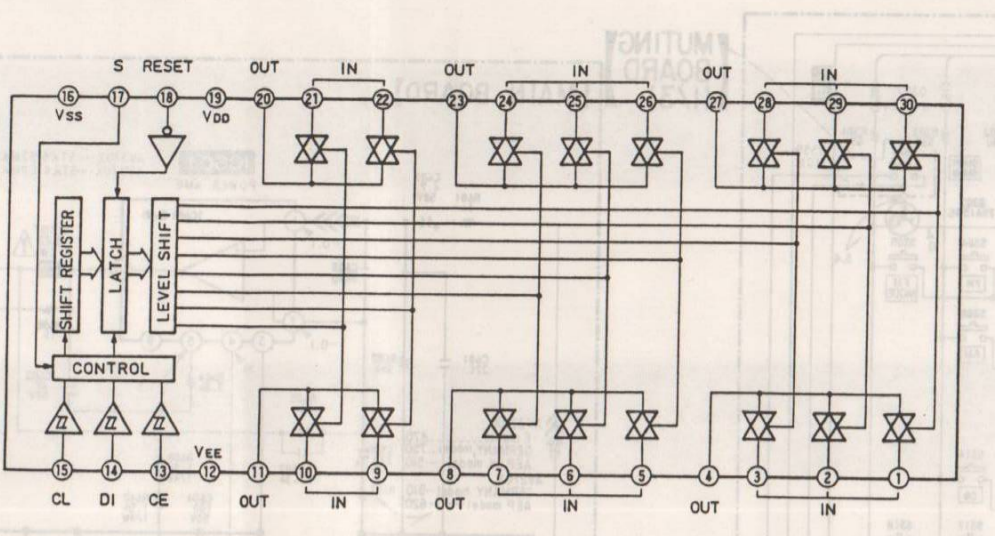
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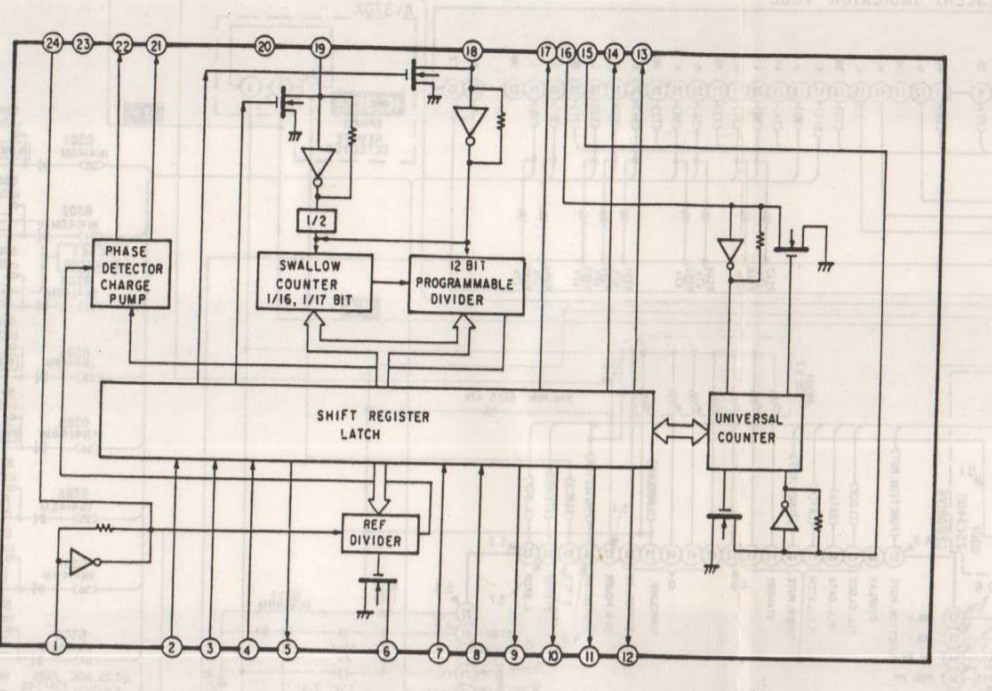
• IC BLOCK DIAGRAMS
IC301 μ PD75206



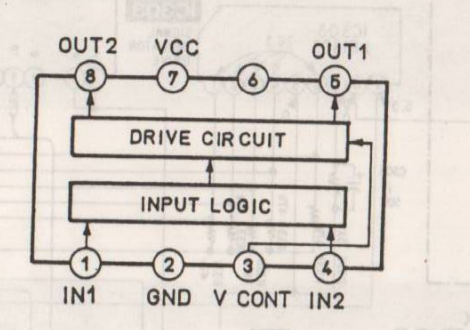
IC402 LC7822



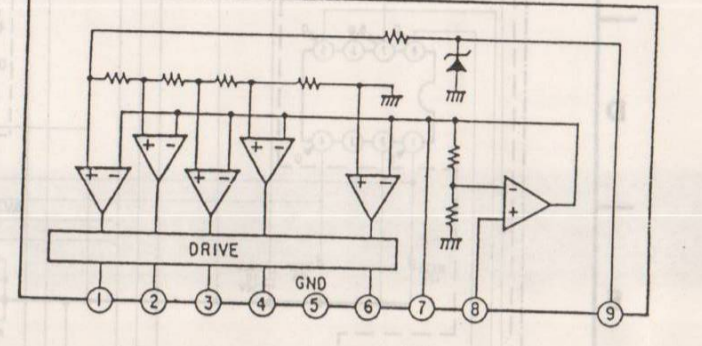
IC81 LC7218



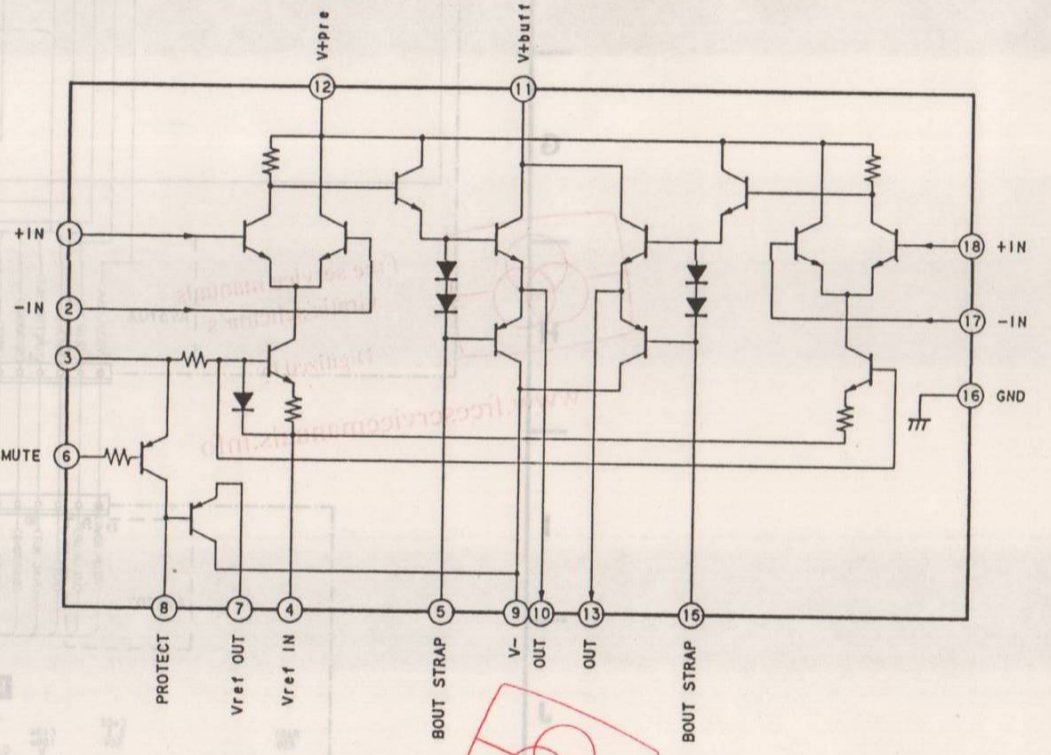
IC304 LB1639



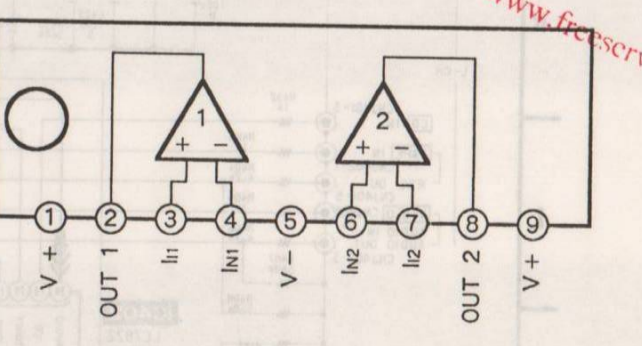
IC303 LB1493



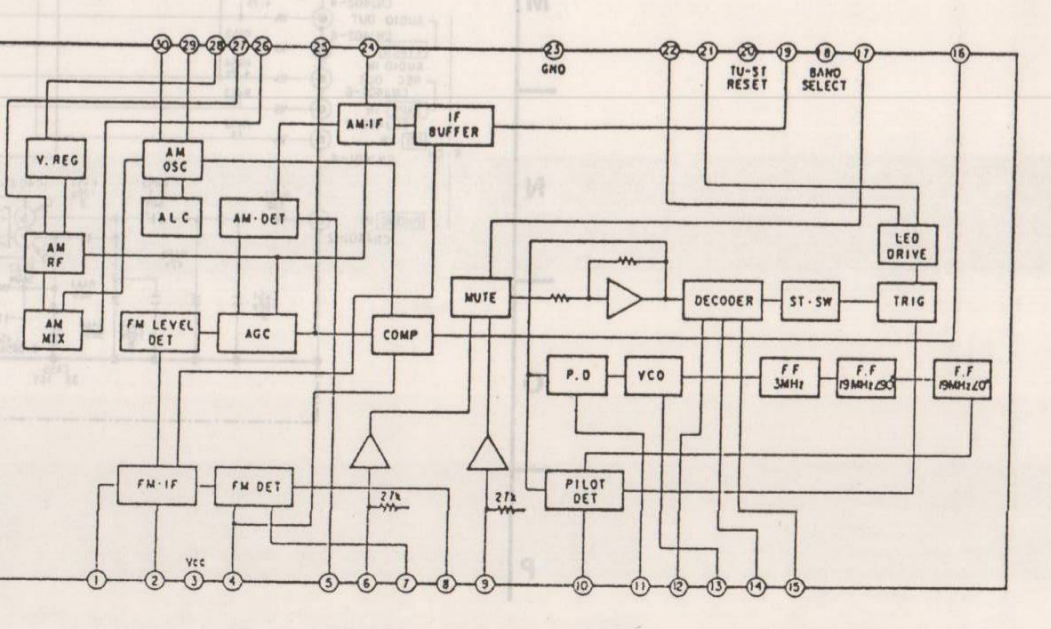
IC601 STR4162MK2 (AV270X)
STK4192MK2 (AV370X)



IC401, IC501 μ PC4570HA



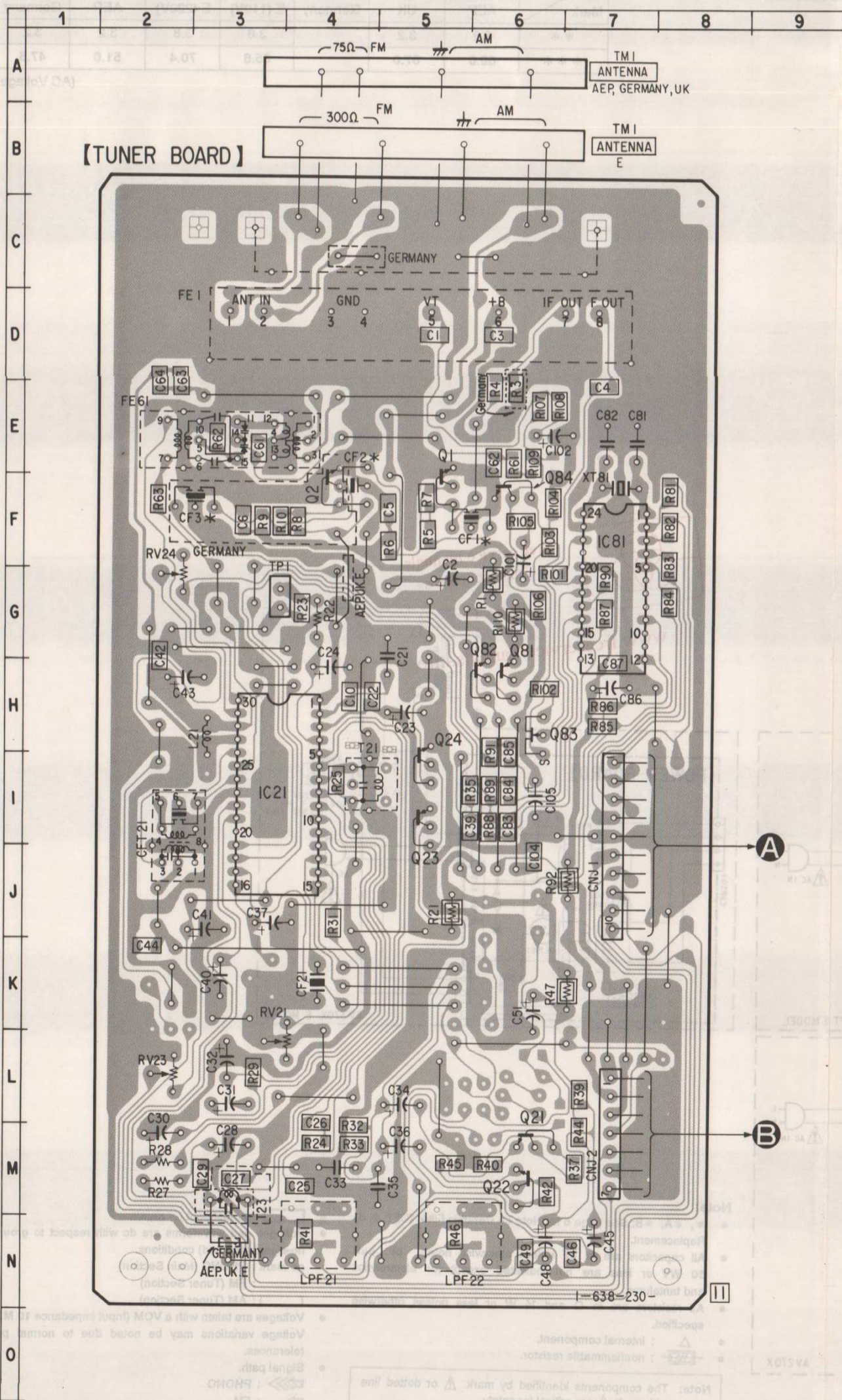
IC21 LA1851N



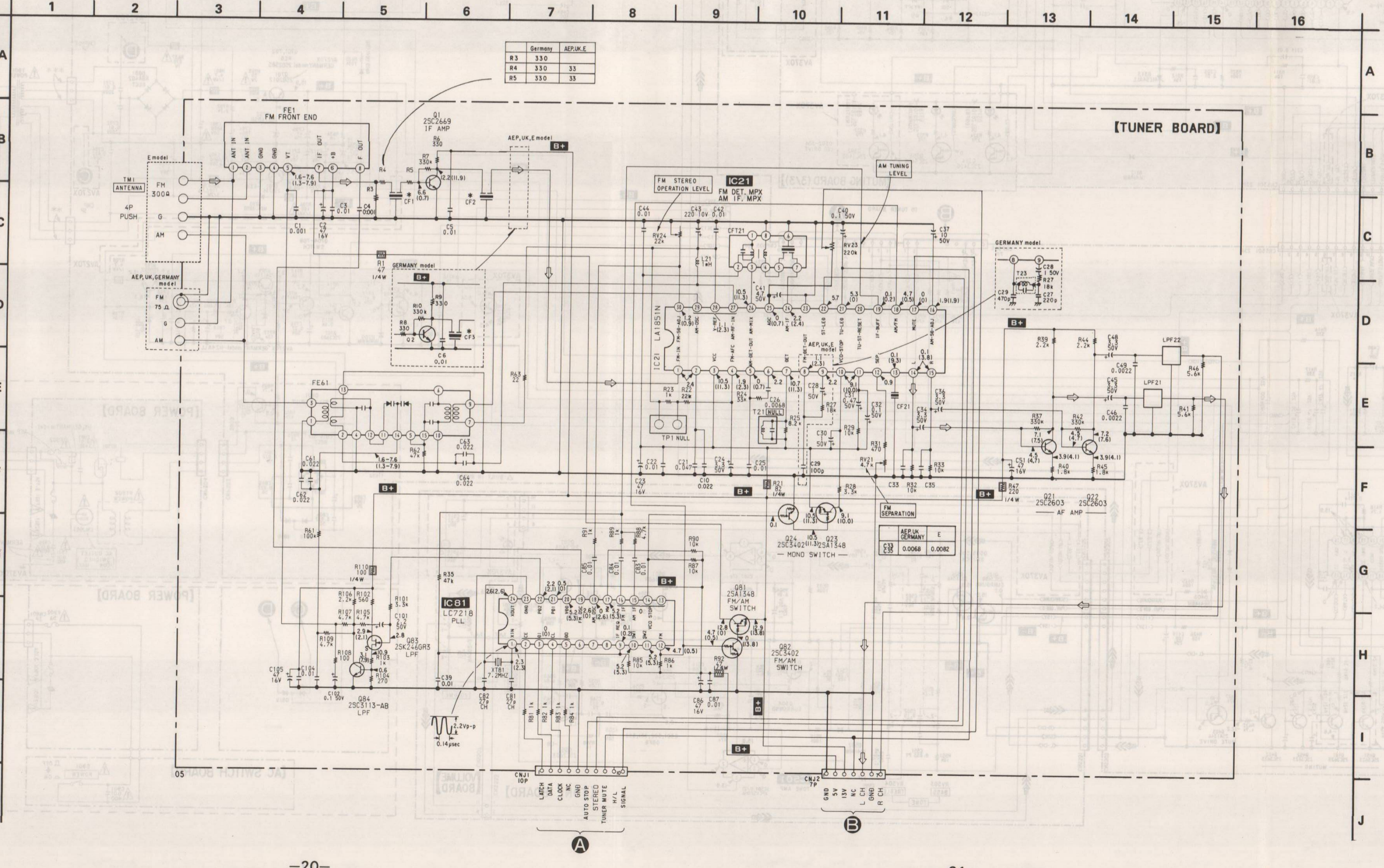
3-4. PRINTED WIRING BOARDS - TUNER SECTION - See page 11 for Note.

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
IC21	I-3	Q23	I-5
IC81	F-7	Q24	I-5
Q1	F-5	Q81	H-6
Q2	F-4	Q82	H-6
Q21	M-6	Q83	H-6
Q22	M-6	Q84	F-6



3-5. SCHEMATIC DIAGRAM - TUNER SECTION - See page 18 for Note.



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PIN No.	SIGNAL NAME	FUNCTION	I/O	ACTIVE
1	RESET	Micro Computer RESET	I	L
2	T0	FL tube indication (invalid) digit	O	H
3	T1	FL tube indication digit	T1 O	H
4	T2	FL tube indication digit	T2 O	H
5	T3	FL tube indication digit	T3 O	H
6	T4	FL tube indication digit	T4 O	H
7	T5	FL tube indication digit	T5 O	H
8	T6	FL tube indication digit	T6 O	H
9	T7	FL tube indication digit	T7 O	H
10	T8	FL tube indication digit	T8 O	H
11	T9	FL tube SIGNAL indication digit	T9 O	H
12	T10/PH3	DBFB Output	O	H
13	T11/PH2	IF WIDE/NARROW Output	O	H
14	T12/PH1	Adapter Output	O	H
15	T13/PH0	-20dB Muting Output	O	H
16	T14/S11	FL tube indication Segment/Diode	S11 O	H
17	T15/S10	FL tube indication Segment/Diode	S10 O	H
18	V road	FL tube pulldown power supply	-	-
19	V pre	FL tube driver power supply	-	-
20	S9	FL tube indication Segment/Diode	S9 O	H
21	S8	FL tube indication Segment/Key Scan	S8 O	H
22	S7	FL tube indication Segment/Key Scan	S7 O	H
23	S6	FL tube indication Segment/Key Scan	S6 O	H
24	S5	FL tube indication Segment/Key Scan	S5 O	H
25	S4	FL tube indication Segment/Key Scan	S4 O	H
26	Vdd	Micro Computer power supply	-	-
27	S3	FL tube indication Segment/Key Scan	S3 O	H
28	S2	FL tube indication Segment/Key Scan	S2 O	H
29	S1	FL tube indication Segment/Key Scan	S1 O	H
30	S0	FL tube indication Segment/Key Scan	S0 O	H
31	P00/INT4	Signal to cut power supply	STOP I	L
32	P01/SCK	Serial latch for electrical adjustment use	SI, LAT I	L

PIN No.	SIGNAL NAME	FUNCTION	I/O	ACTIVE
33	P02/S0	Tuner Auto Stop input	ASTP I	L
34	P03/S1	Tuner Stereo input	STEREO I	L
35	P10/INT0	Remote Control Signal input	SIRCS I	L
36	P11/INT1	Protector input	PROTECT I	L
37	P12/INT2	System Power Key input	PKEY I	L
38	P13/TI0	Adapter Mechanical Switch input	AKEY I	H
39	P20	Surround output	SURROUND O	H
40	P21	Video Control A	VCRA O	H
41	P22	Video Control B	VCRB O	H
42	P23/BUZ	Video Inhibit	VCRI O	H
43	P30	Protector Muting	PMUT O	L
44	P31	Source Direct Output	O	H
45	P32	Standby LED Output	STANBY O	H
46	P33	Tuner Muting	TMUTE O	H
47	P60	PLL/7822 Latch	PLAT O	H
48	P61	PLL/7822/SI Data	DATA I/O	H
49	P62	PLL/7822/SI Clock	CLOK I/O	H
50	P63	IF WIDE/NARROW Display output	O	H
51	P40	Function Muting	FMUTE O	L
52	P41	Motor Volume UP	VOL+ O	H
53	P42	Motor Volume DOWN	VOL- O	H
54	P43	Speaker Relay	SP. RY O	H
55	PP0	Power Relay	POW. RY O	H
56	X1	Ceramic Oscillator	-	-
57	X2	Ceramic Oscillator	-	-
58	Vss	Micro Computer GND	-	-
59	XT1	-	-	-
60	XT2	-	-	-
61	P50	P50	Key Scan Input I	H
62	P51	P51	Key Scan Input I	H
63	P52	P52	Key Scan Input I	H
64	P53	P53	Key Scan Input I	H

SECTION 4 EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) . . . (RED)

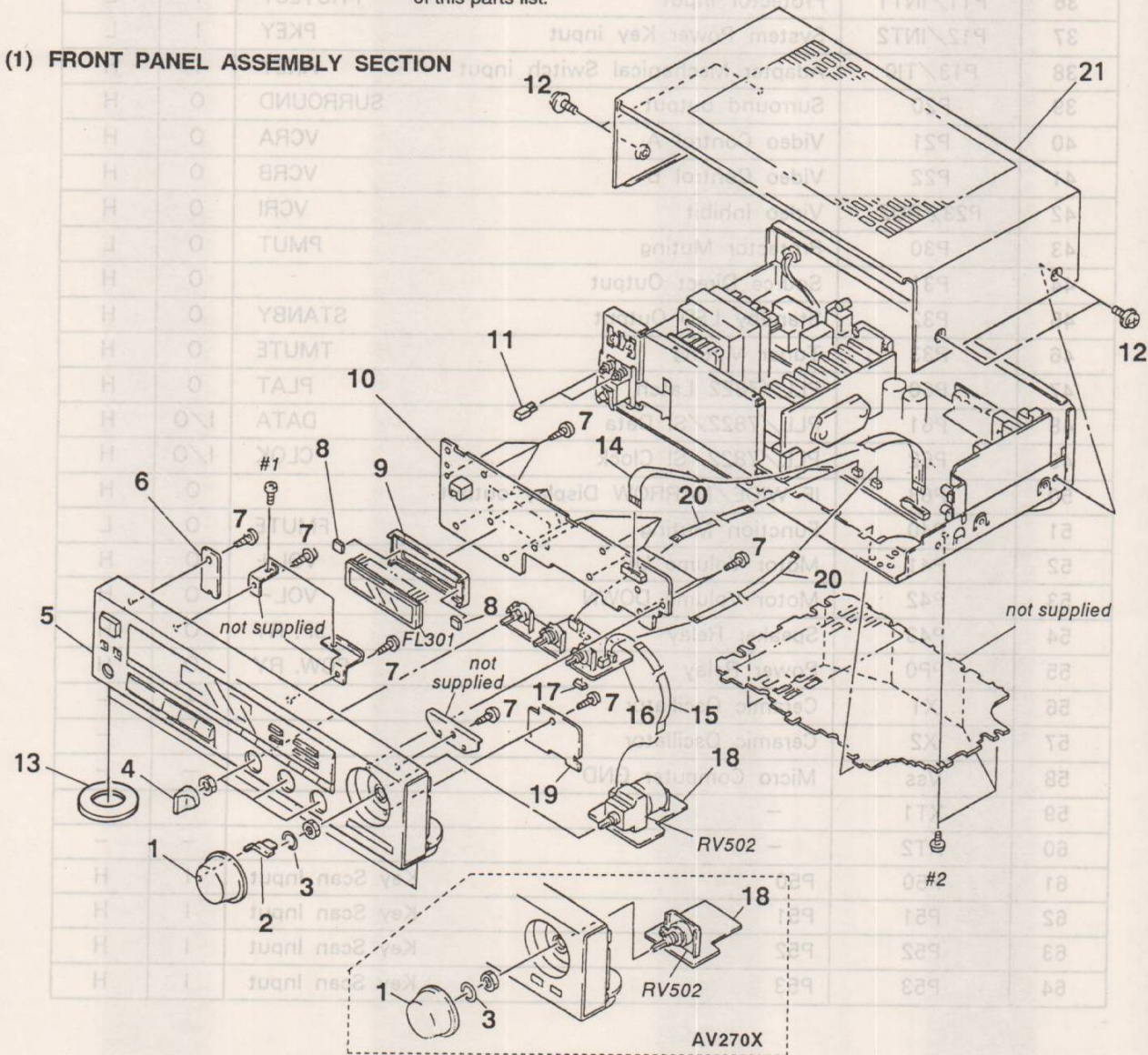
↑ ↑
Parts Color Cabinet's Color

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

- G: Germany model.

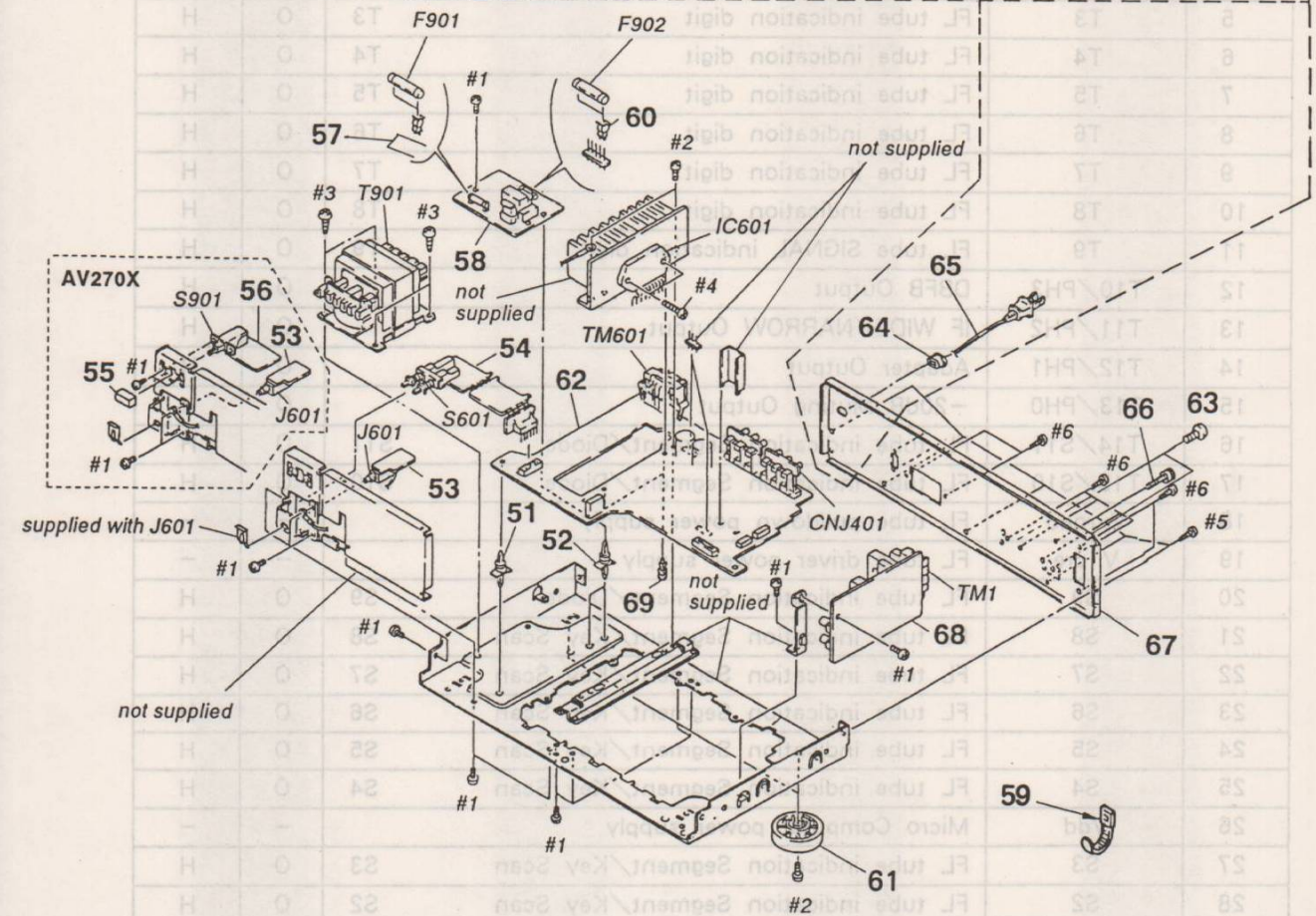
(1) FRONT PANEL ASSEMBLY SECTION



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
1	4-943-091-01	KNOB (VOL)		11	4-943-087-01	BUTTON (S)	
2	4-943-092-01	PLATE(VOL), LIGHT GUIDE (AV370X)		12	3-704-366-01	SCREW (CASE) (M3X8)	
3	3-350-426-01	SPRING, RING		13	4-923-836-11	CUSHION	
4	4-916-745-11	KNOB (DIA. 21)		14	* 1-590-499-11	WIRE, FLAT TYPE (23 CORE)	
5	A-4323-872-A	PANEL ASSY, FRONT (AV370X)		15	* 1-590-770-11	WIRE, FLAT TYPE (11 CORE)	
5	A-4323-909-A	PANEL ASSY, FRONT (AV270X)		16	A-4341-733-A	TONE BOARD, COMPLETE (AEP, UK, E)	
6	1-638-236-11	STANDBY BOARD (AV370X)		16	* A-4341-734-A	TONE BOARD, COMPLETE (G)	
7	4-928-635-01	SCREW, +BV (2.6X8) TAPPING		17	9-911-842-XX	CUSHION (CD), RUBBER	
8	4-921-941-01	CUSHION (FL)		18	1-638-950-11	VOLUME BOARD	
9	4-943-107-01	HOLDER (FL TUBE)		19	1-638-239-11	MUTING BOARD	
10	* A-4341-721-A	DISPLAY BOARD, COMPLETE (AV270X)		20	* 1-590-769-11	WIRE, FLAT TYPE (7 CORE)	
10	* A-4341-730-A	DISPLAY BOARD, COMPLETE (AV370X)		21	* 4-943-088-01	CASE	

(2) CHASSIS SECTION

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
51	* 4-924-098-11	HOLDER, PC BOARD		67	* 4-943-098-31	PANEL, BACK (AV370X G)	
52	* 4-924-098-31	HOLDER, PC BOARD		67	* 4-943-098-51	PANEL, BACK (AV370X E)	
53	1-638-949-11	HP BOARD		67	* 4-943-109-21	PANEL, BACK (AV270X G)	
54	1-638-234-11	SPEAKER BOARD		67	* 4-943-109-51	PANEL, BACK (AV270X AEP)	
55	4-917-460-01	KNOB, POWER (AV270X)		68	* A-4341-740-A	TUNER BOARD, COMPLETE (AV270X AEP/AV370X AEP, UK)	
56	1-638-237-11	AC SWITCH BOARD (AV270X)		68	* A-4341-741-A	TUNER BOARD, COMPLETE (AV270X G/AV370X G)	
57	3-701-947-15	LABEL (T2.5A), FUSE		68	* A-4341-742-A	TUNER BOARD, COMPLETE (AV270X E)	
58	1-638-235-11	POWER BOARD		69	3-698-359-01	RIVET (DIA 3.5), NYLON	
59	3-701-748-00	CLAMP		70	Δ 1-569-008-11	ADAPTER, CONVERSION (AV370X E)	
60	1-533-217-31	HOLDER, FUSE		CNJ901	Δ 1-526-751-11	OUTLET, AC (AV370X UK)	
61	3-318-688-31	FOOT (F58175S)		CNJ901	Δ 1-526-794-11	OUTLET, AC (AV370X AEP, G, E)	
62	* A-4341-719-A	MAIN BOARD, COMPLETE (AV270X G)		F901	Δ 1-532-286-00	FUSE (2.5A 125V)	
62	* A-4341-726-A	MAIN BOARD, COMPLETE (AV370X E)		F902	Δ 1-532-259-00	FUSE (1.6A 125V) (AV370X AEP, UK)	
62	* A-4341-727-A	MAIN BOARD, COMPLETE (AV370X G)		F902	Δ 1-532-285-00	FUSE (1.25A 125V) (AV270X)	
62	* A-4345-738-A	MAIN BOARD, COMPLETE (AV270X AEP, UK)		F902	Δ 1-532-286-00	FUSE (2.5A 125V) (AV370X G, E)	
62	* A-4345-739-A	MAIN BOARD, COMPLETE (AV270X AEP)		T901	Δ 1-450-359-11	TRANSFORMER, POWER (AV370X UK)	
63	7-621-849-00	SCREW, TAPPING		T901	Δ 1-450-360-11	TRANSFORMER, POWER (AV370X E)	
64	* 3-703-244-00	BUSHING (2104), CORD		T901	Δ 1-450-385-11	TRANSFORMER, POWER (AV270X G)	
65	Δ * 1-556-035-00	COAD, POWER (AV370X UK)		T901	Δ 1-450-363-11	TRANSFORMER, POWER (AV370X AEP, G)	
65	Δ 1-555-750-00	CORD, POWER (AV270X/AV370X AEP, G, E)		T901	Δ 1-450-364-11	TRANSFORMER, POWER (AV270X AEP)	
66	3-706-165-00	SCREW		TM601	1-537-341-11	TERMINAL BOARD (8P SPEAKER)	
67	* 4-943-098-21	PANEL, BACK (AV370X AEP)		VS901	Δ 1-570-307-11	SWITCH, VOLTAGE CHANGE (AV370X E)	
67	* 4-943-098-41	PANEL, BACK (AV370X UK)					

SECTION 5 ELECTRICAL PARTS LIST

AC SWITCH

DISPLAY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- **RESISTORS**
All resistors are in ohms.
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- **SEMICONDUCTORS**
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA...,
uPB...: μ PB..., uPC...: μ PC...,
uPD...: μ PD...
- **CAPACITORS**
uF: μ F
- **COILS**
uH: μ H

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

When including parts by reference number, please include the board name.

- G: Germany model.

Ref. No.	Part No.	Description	Remark
	* 1-638-237-11	AC SWITCH BOARD (AV270X) *****	
		< CAPACITOR >	
C901	Δ 1-161-744-00	CERAMIC 0.01	400V (AV270X)
		< SWITCH >	
S901	Δ 1-152-267-21	SWITCH, PUSH (AC POWER) (1 KEY) (POWER) (AV270X)	

	* A-4341-721-A	DISPLAY BOARD, COMPLETE (AV270X)	
	* A-4341-731-A	DISPLAY BOARD, COMPLETE (AV370X AEP, UK, G)	
	* A-4341-750-A	DISPLAY BOARD, COMPLETE (AV370X E) *****	
	* 1-568-830-11	SOCKET, CONNECTOR 11P	
	* 4-921-941-01	CUSHION (FL)	
	* 4-943-107-01	HOLDER (FL TUBE)	
		< CAPACITOR >	
C301	1-162-306-11	CERAMIC 0.01uF	20% 16V
C303	1-162-306-11	CERAMIC 0.01uF	20% 16V
C304	1-162-306-11	CERAMIC 0.01uF	20% 16V
C305	1-124-903-11	ELECT 1uF	20% 50V
C306	1-124-261-00	ELECT 10uF	20% 50V
C307	1-162-306-11	CERAMIC 0.01uF	20% 16V
C308	1-125-486-11	DUBLE LAYERS 0.22F	5. 5V
C309	1-124-261-00	ELECT 10uF	20% 50V
C310	1-162-306-11	CERAMIC 0.01uF	20% 16V
C311	1-162-306-11	CERAMIC 0.01uF	20% 16V
C630	1-162-306-11	CERAMIC 0.01uF	20% 16V
		< CONNECTOR >	
CNJ306	* 1-568-937-11	PIN, CONNECTOR 10P	
CNP904	* 1-560-062-00	PIN, CONNECTOR 4P	
CNS301	* 1-568-865-11	SOCKET, CONNECTOR 23P	

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D301	8-719-987-63	DIODE 1N4148M	
D302	8-719-987-63	DIODE 1N4148M	
D303	8-719-987-63	DIODE 1N4148M	
D304	8-719-987-63	DIODE 1N4148M	
D305	8-719-987-63	DIODE 1N4148M	
D306	8-719-987-63	DIODE 1N4148M	
D307	8-719-987-63	DIODE 1N4148M	
D308	8-719-987-63	DIODE 1N4148M	
D309	8-719-987-63	DIODE 1N4148M	
D311	8-719-987-63	DIODE 1N4148M	
D312	8-719-987-63	DIODE 1N4148M	
D313	8-719-985-53	DIODE HZS4ALL-TD	
D314	8-719-987-63	DIODE 1N4148M	
D315	8-719-987-63	DIODE 1N4148M	
D322	8-719-987-63	DIODE 1N4148M	
D323	8-719-987-63	DIODE 1N4148M	
D324	8-719-987-63	DIODE 1N4148M	
D326	8-719-987-63	DIODE 1N4148M	
D327	8-719-987-63	DIODE 1N4148M	
D803	8-719-987-63	DIODE 1N4148M	
		< INDICATOR TUBE >	
FL301	1-519-509-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC301	8-759-154-23	IC uPD75206GF-715-3BE	
IC302	8-749-920-83	IC GP1U52XB	
IC303	8-759-800-95	IC LB1493	
IC304	8-759-820-62	IC LB1639 (AV370X)	
		< INDICATOR >	
L301	1-410-521-11	INDUCTOR 100uH	
		< TRANSISTOR >	
Q301	8-729-900-36	TRANSISTOR DTC124ES	
Q305	8-729-900-63	TRANSISTOR DTA124ES	

DISPLAY HP MAIN

Ref. No.	Part No.	Description	Remark
Q306	8-729-900-63	TRANSISTOR	DTA124ES
Q307	8-729-900-63	TRANSISTOR	DTA124ES
		< RESISTOR >	
R301	1-249-411-11	CARBON	330 5% 1/4W
R302	1-249-411-11	CARBON	330 5% 1/4W
R303	1-249-411-11	CARBON	330 5% 1/4W
R304	1-249-411-11	CARBON	330 5% 1/4W
R305	1-249-429-11	CARBON	10K 5% 1/4W
R306	1-249-429-11	CARBON	10K 5% 1/4W
R307	1-249-429-11	CARBON	10K 5% 1/4W
R308	1-249-429-11	CARBON	10K 5% 1/4W
R311	1-249-429-11	CARBON	10K 5% 1/4W
R312	1-249-431-11	CARBON	15K 5% 1/4W
R313	1-249-417-11	CARBON	1K 5% 1/4W
R314	1-249-441-11	CARBON	100K 5% 1/4W
R315	1-249-437-11	CARBON	47K 5% 1/4W
R316	1-249-441-11	CARBON	100K 5% 1/4W
R321	1-249-410-11	CARBON	270 5% 1/4W (AV370X)
R325	1-249-441-11	CARBON	100K 5% 1/4W
R331	1-249-437-11	CARBON	47K 5% 1/4W
R332	1-249-437-11	CARBON	47K 5% 1/4W
R333	1-249-437-11	CARBON	47K 5% 1/4W
R334	1-249-437-11	CARBON	47K 5% 1/4W
R335	1-249-437-11	CARBON	47K 5% 1/4W
R336	1-249-431-11	CARBON	15K 5% 1/4W
R337	1-249-437-11	CARBON	47K 5% 1/4W
R338	1-249-437-11	CARBON	47K 5% 1/4W
R347	1-249-437-11	CARBON	47K 5% 1/4W
R348	1-249-437-11	CARBON	47K 5% 1/4W
R349	1-249-437-11	CARBON	47K 5% 1/4W
R350	1-249-437-11	CARBON	47K 5% 1/4W
R351	1-249-437-11	CARBON	47K 5% 1/4W
R352	1-249-437-11	CARBON	47K 5% 1/4W
R353	1-249-437-11	CARBON	47K 5% 1/4W
R354	1-249-437-11	CARBON	47K 5% 1/4W
R355	1-249-437-11	CARBON	47K 5% 1/4W
R356	1-249-401-11	CARBON	47 5% 1/4W

< COMPOSITION CIRCUIT BLOCK >

RB301 1-233-081-11 COMPOSITION CIRCUIT BLOCK

< SWITCH >

S301	1-554-303-21	SWITCH, TACTILE (DIRECT)
S302	1-554-303-21	SWITCH, TACTILE (PRESET TUNING:-)
S303	1-554-303-21	SWITCH, TACTILE (TUNING:-)
S304	1-554-303-21	SWITCH, TACTILE (FM)
S305	1-554-303-21	SWITCH, TACTILE (FM MODE)

Ref. No.	Part No.	Description	Remark
S306	1-554-303-21	SWITCH, TACTILE (PRESET TUNING:+)	
S307	1-554-303-21	SWITCH, TACTILE (TUNING:+)	
S308	1-554-303-21	SWITCH, TACTILE (AM)	
S310	1-554-303-21	SWITCH, TACTILE (TAPE)	
S311	1-554-303-21	SWITCH, TACTILE (VIDEO)	
S312	1-554-303-21	SWITCH, TACTILE (PHONO)	
S313	1-554-303-21	SWITCH, TACTILE (TUNER)	
S314	1-554-303-21	SWITCH, TACTILE (CD)	
S315	1-554-303-21	SWITCH, TACTILE (7)	
S316	1-554-303-21	SWITCH, TACTILE (8)	
S317	1-554-303-21	SWITCH, TACTILE (9)	
S318	1-554-303-21	SWITCH, TACTILE (MEMORY)	
S319	1-554-303-21	SWITCH, TACTILE (4)	
S320	1-554-303-21	SWITCH, TACTILE (5)	
S321	1-554-303-21	SWITCH, TACTILE (6)	
S322	1-554-303-21	SWITCH, TACTILE (0)	
S323	1-554-303-21	SWITCH, TACTILE (1)	
S324	1-554-303-21	SWITCH, TACTILE (2)	
S325	1-554-303-21	SWITCH, TACTILE (3)	
S326	1-554-303-21	SWITCH, TACTILE (SHIFT)	

< VIBRATOR >

X301 1-577-101-11 VIBRATOR, CERAMIC (4.19MHz)

* 1-638-949-11 HP BOARD

< JACK >

J601 1-568-515-21 JACK (LARGE TYPE) (HEADPHONES)

< RESISTOR >

R638	△ 1-216-454-11	METAL OXIDE	390	5%	2W	F
R658	△ 1-216-454-11	METAL OXIDE	390	5%	2W	F

- * A-4341-719-A MAIN BOARD, COMPLETE (AV270X G)
- * A-4341-726-A MAIN BOARD, COMPLETE (AV370X E)
- * A-4341-727-A MAIN BOARD, COMPLETE (AV370X G)
- * A-4341-738-A MAIN BOARD, COMPLETE (AV370X AEP, UK)
- * A-4341-739-A MAIN BOARD, COMPLETE (AV270X AEP)

- * 3-698-359-01 RIVET (DIA. 3.5), NYLON
- 7-685-650-79 SCREW +BVTP 3X16 TYPE2 IT-3
- 7-682-548-04 SCREW +BVTT 3X8 (S)

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
(CAPACITOR)							
C401	1-162-282-31	CERAMIC	100PF 10% 50V	C701	1-106-367-00	MYLAR 0.01uF 5% 200V (UK, E)	
C402	1-123-382-00	ELECT	3.3uF 20% 100V	C702	1-106-379-00	MYLAR 0.033uF 5% 200V (AEP, G)	
C403	1-162-282-31	CERAMIC	100PF 10% 50V	C704	1-124-478-11	ELECT 100uF 20% 25V	
C404	1-162-282-31	CERAMIC	100PF 10% 50V	C705	1-124-477-11	ELECT 47uF 20% 25V	
C405	1-124-034-51	ELECT	33uF 20% 16V	C706	1-101-005-00	CERAMIC 22000PF 50V	
C406	1-130-480-00	MYLAR	0.0056uF 5% 50V	C708	1-124-927-11	ELECT 4.7uF 20% 100V	
C407	1-130-473-00	MYLAR	0.0015uF 5% 50V	C710	1-124-910-11	ELECT 47uF 20% 50V	
C408	1-123-382-00	ELECT	3.3uF 20% 100V	C711	1-124-910-11	ELECT 47uF 20% 50V	
C409	1-124-477-11	ELECT	47uF 20% 25V	C712	1-124-907-11	ELECT 10uF 20% 50V	
C410	1-124-477-11	ELECT	47uF 20% 25V	C713	1-124-477-11	ELECT 47uF 20% 25V	
C411	1-162-294-31	CERAMIC	0.001uF 10% 50V	C714	1-124-477-11	ELECT 47uF 20% 25V	
C412	1-162-282-31	CERAMIC	100PF 10% 50V	C716	1-124-464-11	ELECT 0.22uF 20% 50V	
C417	1-124-478-11	ELECT	100uF 20% 25V	C717	1-124-902-00	ELECT 0.47uF 20% 50V	
C418	1-124-478-11	ELECT	100uF 20% 25V	C718	1-101-005-00	CERAMIC 1uF 20% 50V	
C419	1-124-478-11	ELECT	100uF 20% 25V	C719	1-101-005-00	CERAMIC 22000PF 50V	
C420	1-124-927-11	ELECT	4.7uF 20% 100V (AV370X)	C801	1-125-614-11	ELECT 6800uF 20% 50V	
C421	1-124-927-11	ELECT	4.7uF 20% 100V	C802	1-125-614-11	ELECT 6800uF 20% 50V	
C451	1-162-282-31	CERAMIC	100PF 10% 50V	C803	1-101-005-00	CERAMIC 22000PF 50V (AV370X)	
C452	1-123-382-00	ELECT	3.3uF 20% 100V	C804	1-101-005-00	CERAMIC 22000PF 50V (AV370X)	
C453	1-162-282-31	CERAMIC	100PF 10% 50V	C805	1-124-557-11	ELECT 1000uF 20% 25V	
C454	1-162-282-31	CERAMIC	100PF 10% 50V	C810	1-126-301-11	ELECT 1uF 20% 50V	
C455	1-124-034-51	ELECT	33uF 20% 16V	(JACK)			
C456	1-130-480-00	MYLAR	0.0056uF 5% 50V	CNJ401	* 1-580-835-11	JACK, PIN 6P	
C457	1-130-473-00	MYLAR	0.0015uF 5% 50V	CNJ402	* 1-580-835-11	JACK, PIN 6P	
C458	1-123-382-00	ELECT	3.3uF 20% 100V	CNJ610	* 1-569-507-11	PIN, CONNECTOR 12P	
C601	1-162-286-31	CERAMIC	220PF 10% 50V	(CONNECTOR)			
C602	1-126-163-11	ELECT	4.7uF 20% 50V	CNP503	* 1-564-507-11	PLUG, CONNECTOR 4P	
C603	1-162-288-31	CERAMIC	330PF 10% 50V	CNP504	* 1-535-116-00	TERMINAL	
C604	1-124-122-11	ELECT	100uF 20% 50V	CNP505	* 1-580-804-11	PIN, CONNECTOR 10P	
C605	1-124-910-11	ELECT	47uF 20% 50V	CNP506	* 1-564-903-11	PIN, CONNECTOR (L TYPE) 7P	
C606	1-124-120-11	ELECT	220uF 20% 25V	CNP507	* 1-535-116-00	TERMINAL	
C607	1-162-193-31	CERAMIC	3.3PF 10% 50V	CNS501	* 1-568-839-11	SOCKET, CONNECTOR 23P	
C608	1-126-059-11	ELECT	10uF 20% 50V	CNS502	* 1-568-826-11	SOCKET, CONNECTOR 7P	
C621	1-130-495-00	MYLAR	0.1uF 5% 50V	CNS503	* 1-568-826-11	SOCKET, CONNECTOR 7P	
C622	1-130-495-00	MYLAR	0.1uF 5% 50V	CNS507	* 1-569-498-11	SOCKET, CONNECTOR 12P	
C623	1-124-907-11	ELECT	10uF 20% 50V	CNS551	* 1-568-826-11	SOCKET, CONNECTOR 7P	
C624	1-124-472-11	ELECT	470uF 20% 10V	(DIODE)			
C625	1-130-495-00	MYLAR	0.1uF 5% 50V	D401	8-719-987-63	DIODE 1N4148M	
C651	1-162-286-31	CERAMIC	220PF 10% 50V	D402	8-719-987-63	DIODE 1N4148M	
C652	1-126-163-11	ELECT	4.7uF 20% 50V	D403	8-719-987-63	DIODE 1N4148M	
C653	1-162-288-31	CERAMIC	330PF 10% 50V	D601	8-719-987-63	DIODE 1N4148M	
C654	1-124-122-11	ELECT	100uF 20% 50V	D602	8-719-987-63	DIODE 1N4148M	
C655	1-124-910-11	ELECT	47uF 20% 50V	D603	8-719-987-63	DIODE 1N4148M	
C656	1-124-120-11	ELECT	220uF 20% 25V	D604	8-719-987-63	DIODE 1N4148M	
C657	1-162-193-31	CERAMIC	3.3PF 10% 50V	D605	8-719-987-63	DIODE 1N4148M	
C658	1-126-059-11	ELECT	10uF 20% 50V	D651	8-719-987-63	DIODE 1N4148M	
C671	1-130-495-00	MYLAR	0.1uF 5% 50V	D702	8-719-010-86	DIODE UZ-16BSB	
C672	1-130-495-00	MYLAR	0.1uF 5% 50V				
C675	1-130-495-00	MYLAR	0.1uF 5% 50V				

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D703	8-719-010-29	DIODE UZ-4. 3BSB					
D704	8-719-110-67	DIODE RD27ESB2					
D705	8-719-010-82	DIODE UZ-15BSB					
D706	8-719-010-47	DIODE UZ-6. 2BSC					
D707	8-719-933-41	DIODE HZS6C3L					
D708	8-719-985-53	DIODE HZS4ALL					
D709	8-719-987-63	DIODE 1N4148M					
D801	8-719-312-09	DIODE RBA-402					
D803	8-719-987-63	DIODE 1N4148M					
D814	8-719-200-82	DIODE 11ES2 (AV370X)					
D815	8-719-200-82	DIODE 11ES2 (AV370X)					
D816	8-719-200-82	DIODE 11ES2 (AV370X)					
D817	8-719-200-82	DIODE 11ES2 (AV370X)					
D818	8-719-987-63	DIODE 1N4148M					
D819	8-719-987-63	DIODE 1N4148M					
		(IC)					
IC401	8-759-112-93	IC μ PC4570HA-1					
IC402	8-759-805-14	IC LC7822					
IC601	8-749-900-24	IC STK4162MK2 (AV270X)					
IC601	8-749-900-78	IC STK4192MK2 (AV370X)					
		(COIL)					
L601	* 1-420-872-00	COIL, AIR CORE					
L651	* 1-420-872-00	COIL, AIR CORE					
		(TRANSISTOR)					
Q401	8-729-141-30	TRANSISTOR 2SC3623A-LK (AV370X)					
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK					
Q403	8-729-900-63	TRANSISTOR DTA124ES					
Q451	8-729-141-30	TRANSISTOR 2SC3623A-LK (AV370X)					
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK					
Q601	8-729-108-14	TRANSISTOR 2SA988-F					
Q602	8-729-620-05	TRANSISTOR 2SC2603-EF					
Q603	8-729-620-05	TRANSISTOR 2SC2603-EF					
Q604	8-729-620-05	TRANSISTOR 2SC2603-EF					
Q605	8-729-620-05	TRANSISTOR 2SC2603-EF					
Q651	8-729-108-14	TRANSISTOR 2SA988-F					
Q701	8-729-209-15	TRANSISTOR 2SD2012					
Q702	8-729-140-97	TRANSISTOR 2SB734-34					
Q703	8-729-180-92	TRANSISTOR 2SD809-K					
Q704	8-729-620-05	TRANSISTOR 2SC2603-EF					
Q705	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q706	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q707	8-729-620-05	TRANSISTOR 2SC2603-EF					
Q708	8-729-900-36	TRANSISTOR DTC124ES					
Q709	8-729-904-39	TRANSISTOR DTC114TS					
Q801	8-729-620-05	TRANSISTOR 2SC2603-EF					
		(RESISTOR)					
R401	1-249-411-11	CARBON			330 5%	1/4W	
R402	1-249-417-11	CARBON			1K 5%	1/4W	
R403	1-249-417-11	CARBON			1K 5%	1/4W	
R404	1-249-425-11	CARBON			4. 7K 5%	1/4W	
R405	1-249-417-11	CARBON			1K 5%	1/4W	
R406	1-249-425-11	CARBON			4. 7K 5%	1/4W	
R407	1-247-897-11	CARBON			560K 5%	1/4W	
R408	1-247-897-11	CARBON			560K 5%	1/4W	
R409	1-249-437-11	CARBON			47K 5%	1/4W	
R410	1-247-897-11	CARBON			560K 5%	1/4W	
R411	1-249-416-11	CARBON			820 5%	1/4W	
R412	1-247-897-11	CARBON			560K 5%	1/4W	
R413	1-249-437-11	CARBON			47K 5%	1/4W	
R414	1-247-897-11	CARBON			560K 5%	1/4W	
R415	1-249-417-11	CARBON			1K 5%	1/4W	
R416	1-249-411-11	CARBON			330 5%	1/4W	
R417	1-249-411-11	CARBON			330 5%	1/4W	
R418	1-249-425-11	CARBON			4. 7K 5%	1/4W	
R419	1-247-838-00	CARBON			2K 5%	1/4W	
R420	1-249-409-11	CARBON			220 5%	1/4W (AV370X)	
R421	1-249-429-11	CARBON			10K 5%	1/4W	
R422	1-249-425-11	CARBON			4. 7K 5%	1/4W	
R423	1-249-437-11	CARBON			47K 5%	1/4W	
R424	1-249-434-11	CARBON			27K 5%	1/4W	
R425	1-249-441-11	CARBON			100K 5%	1/4W	
R426	1-249-405-11	CARBON			100 5%	1/4W	
R427	1-249-437-11	CARBON			47K 5%	1/4W	
R428	1-249-441-11	CARBON			100K 5%	1/4W	
R451	1-249-411-11	CARBON			330 5%	1/4W	
R452	1-249-417-11	CARBON			1K 5%	1/4W	
R453	1-249-417-11	CARBON			1K 5%	1/4W	
R454	1-249-425-11	CARBON			4. 7K 5%	1/4W	
R455	1-249-417-11	CARBON			1K 5%	1/4W	
R456	1-249-425-11	CARBON			4. 7K 5%	1/4W	
R457	1-247-897-11	CARBON			560K 5%	1/4W	
R458	1-247-897-11	CARBON			560K 5%	1/4W	
R459	1-249-437-11	CARBON			47K 5%	1/4W	
R460	1-247-897-11	CARBON			560K 5%	1/4W	
R461	1-249-416-11	CARBON			820 5%	1/4W	
R462	1-247-897-11	CARBON			560K 5%	1/4W	
R463	1-249-437-11	CARBON			47K 5%	1/4W	
R464	1-247-897-11	CARBON			560K 5%	1/4W	
R465	1-249-417-11	CARBON			1K 5%	1/4W	
R469	1-247-838-00	CARBON			2K 5%	1/4W	
R470	1-249-409-11	CARBON			220 5%	1/4W (AV370X)	
R601	1-249-417-11	CARBON			1K 5%	1/4W	
R602	1-249-438-11	CARBON			56K 5%	1/4W	
R603	1-247-826-91	CARBON			620 5%	1/4W (AV270X AEP)	
R603	1-247-830-11	CARBON			910 5%	1/4W (AV270X G)	

MAIN **MUTING**

Ref. No.	Part No.	Description	Remark
R603	1-247-828-11	CARBON 750 5% 1/4W (AV370X G)	
R603	1-249-413-11	CARBON 470 5% 1/4W (AV370X E)	
R603	1-249-442-11	CARBON 510 5% 1/4W(AV370X AEP, UK)	
R604	1-249-423-11	CARBON 3.3K 5% 1/4W	
R605	1-249-438-11	CARBON 56K 5% 1/4W	
R606	1-249-420-11	CARBON 1.8K 5% 1/4W	
R607	1-217-151-00	RES, METAL PLATE 0.22	
R608	1-249-417-11	CARBON 1K 5% 1/4W	
R612	1-249-405-11	CARBON 100 5% 1/4W	
R615	1-249-405-11	CARBON 100 5% 1/4W	
R621	1-249-427-11	CARBON 6.8K 5% 1/4W	
R622	1-249-435-11	CARBON 33K 5% 1/4W	
R623	1-249-433-11	CARBON 22K 5% 1/4W	
R624	1-249-390-11	CARBON 5.6 5% 1/6W	
R625	1-247-768-00	CARBON 2.4 5% 1/4W	
R626	1-249-441-11	CARBON 100K 5% 1/4W	
R627	1-249-435-11	CARBON 33K 5% 1/4W	
R628	1-249-427-11	CARBON 6.8K 5% 1/4W	
R629	1-249-399-11	CARBON 33 5% 1/4W	
R630	1-249-417-11	CARBON 1K 5% 1/4W	
R631	1-249-429-11	CARBON 10K 5% 1/4W	
R632	1-249-441-11	CARBON 100K 5% 1/4W	
R634	1-249-427-11	CARBON 6.8K 5% 1/4W	
R635	1-249-441-11	CARBON 100K 5% 1/4W	
R636	1-247-903-00	CARBON 1M 5% 1/4W	
R637	△ 1-216-432-00	METAL OXIDE 820 5% 1W F	
R639	1-247-768-00	CARBON 2.4 5% 1/4W	
R640	1-249-419-11	CARBON 1.5K 5% 1/4W	
R641	1-249-390-11	CARBON 5.6 5% 1/6W	
R651	1-249-417-11	CARBON 1K 5% 1/4W	
R652	1-249-438-11	CARBON 56K 5% 1/4W	
R653	1-247-826-91	CARBON 620 5% 1/4W (AV270X AEP)	
R653	1-247-828-11	CARBON 750 5% 1/4W (AV370X G)	
R653	1-247-830-11	CARBON 910 5% 1/4W (AV270X G)	
R653	1-249-413-11	CARBON 470 5% 1/4W (AV370X E)	
R653	1-249-442-11	CARBON 510 5% 1/4W(AV370X AEP, UK)	
R654	1-249-423-11	CARBON 3.3K 5% 1/4W	
R655	1-249-438-11	CARBON 56K 5% 1/4W	
R656	1-249-420-11	CARBON 1.8K 5% 1/4W	
R657	1-217-151-00	RES, METAL PLATE 0.22	
R658	1-249-417-11	CARBON 1K 5% 1/4W	
R671	1-249-427-11	CARBON 6.8K 5% 1/4W	
R672	1-249-435-11	CARBON 33K 5% 1/4W	
R673	1-249-433-11	CARBON 22K 5% 1/4W	
R674	1-249-390-11	CARBON 5.6 5% 1/6W	
R675	1-247-768-00	CARBON 2.4 5% 1/4W	
R689	1-247-768-00	CARBON 2.4 5% 1/4W	
R690	1-249-419-11	CARBON 1.5K 5% 1/4W	
R691	1-249-390-11	CARBON 5.6 5% 1/6W	
R702	1-249-422-11	CARBON 2.7K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R703	△ 1-216-448-11	METAL OXIDE 39 5% 2W F	
R705	1-249-423-11	CARBON 3.3K 5% 1/4W	
R706	1-249-405-11	CARBON 100 5% 1/4W	
R707	1-249-410-11	CARBON 270 5% 1/4W	
R708	1-249-389-11	CARBON 4.7 5% 1/4W	
R709	1-249-423-11	CARBON 3.3K 5% 1/4W	
R710	1-249-437-11	CARBON 47K 5% 1/4W	
R711	1-249-429-11	CARBON 10K 5% 1/4W	
R712	1-249-429-11	CARBON 10K 5% 1/4W	
R713	1-249-426-11	CARBON 5.6K 5% 1/4W	
R714	1-249-417-11	CARBON 1K 5% 1/4W	
R715	1-249-426-11	CARBON 5.6K 5% 1/4W	
R716	1-249-417-11	CARBON 1K 5% 1/4W	
R718	1-249-401-11	CARBON 47 5% 1/4W	
R721	1-249-413-11	CARBON 470 5% 1/4W	
R722	1-249-437-11	CARBON 47K 5% 1/4W	
R723	1-249-437-11	CARBON 47K 5% 1/4W	
R724	1-249-437-11	CARBON 47K 5% 1/4W	
R725	1-249-437-11	CARBON 47K 5% 1/4W	
R726	1-249-410-11	CARBON 270 5% 1/4W	
R727	1-249-429-11	CARBON 10K 5% 1/4W	
R728	1-249-417-11	CARBON 1K 5% 1/4W	
R801	1-249-389-11	CARBON 4.7 5% 1/4W	
R802	1-249-437-11	CARBON 47K 5% 1/4W (AV370X)	
R803	1-249-396-11	CARBON 18 5% 1/6W (AV370X)	
R804	1-247-739-11	CARBON 100 5% 1/2W	
R805	1-249-425-11	CARBON 4.7K 5% 1/4W (AV370X)	
RY601	1-515-533-11	RELAY (DBFV)	
S601	1-506-468-11	CONNECTOR 3P, MALE	
TM601	1-537-341-11	TERMINAL BOARD (8P SP)	

* 1-638-239-11 MUTING BOARD			

< DIODE >			
D317	8-719-313-72	DIODE SEL3810A (AV370X)	
D318	8-719-313-72	DIODE SEL3810A	
D319	8-719-313-72	DIODE SEL3810A	
< TRANSISTOR >			
Q302	8-729-900-36	TRANSISTOR DTC124ES	
Q303	8-729-900-36	TRANSISTOR DTC124ES	

RELAY }
SWITCH }
CONNECTOR }
TERMINAL }
TERMINAL BOARD }
MUTING BOARD }
DIODE }
TRANSISTOR }

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Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

MUTING **POWER** **SPEAKER** **STAND BY** **STONE**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q304	8-729-900-36	TRANSISTOR DTC124ES				< CONNECTOR >	
		< RESISTOR >		CNS302 *	1-568-951-11	PIN, CONNECTOR 2P (AV370X)	
R322	1-249-410-11	CARBON	270 5% 1/4W			< SWITCH >	
R323	1-249-410-11	CARBON	270 5% 1/4W (AV370X)	S330	1-554-303-21	SWITCH, TACTILE (POWER) (AV370X)	
R324	1-249-410-11	CARBON	270 5% 1/4W	*****			
R357	1-249-429-11	CARBON	10K 5% 1/4W	* A-4341-733-A TONE BOARD, COMPLETE (AEP, UK, E)			
R358	1-249-429-11	CARBON	10K 5% 1/4W (AV370X)	* A-4341-734-A TONE BOARD, COMPLETE (G)			
R359	1-249-429-11	CARBON	10K 5% 1/4W	*****			
		< SWITCH >				< CAPACITOR >	
S327	1-554-303-21	SWITCH, TACTILE (DBFB) (AV370X)		C501	1-130-489-00	MYLAR	0.033uF 5% 50V
S328	1-554-303-21	SWITCH, TACTILE (MUTING) (AV370X)		C502	1-124-250-00	ELECT	0.15uF 20% 50V
S329	1-554-303-21	SWITCH, TACTILE (SURROUND) (AV370X)		C503	1-130-481-00	MYLAR	0.0068uF 5% 50V
*****				C504	1-130-489-00	MYLAR	0.033uF 5% 50V
	* 1-638-235-11	POWER BOARD	*****	C505	1-126-163-11	ELECT	4.7uF 20% 50V
	1-533-217-31	HOLDER, FUSE		C506	1-124-925-11	ELECT	2.2uF 20% 100V
	* 1-535-140-00	BASE POST 22MM (10MM PITCH) 3P		C507	1-101-880-00	CERAMIC	47PF 5% 50V
	1-535-416-00	TERMINAL		C509	1-124-903-11	ELECT	1uF 20% 50V
		< CAPACITOR >		C510	1-130-489-00	MYLAR	0.033uF 5% 50V
C901	△ 1-161-744-00	CERAMIC	0.01uF 400V (AV370X)	C512	1-124-464-11	ELECT	0.22uF 20% 50V
C920	△ 1-161-744-00	CERAMIC	0.01uF 400V (G)	C513	1-124-464-11	ELECT	0.22uF 20% 50V
C921	△ 1-161-744-00	CERAMIC	0.01uF 400V (G)	C514	1-136-163-00	MYLAR	0.068uF 10% 50V
		< TRANSFORMER >		C515	1-102-106-00	CERAMIC	100PF 10% 50V
PT902	△ 1-450-358-11	TRANSFORMER, POWER (AV370X)		C551	1-130-489-00	MYLAR	0.033uF 5% 50V
		< RELAY >		C552	1-124-250-00	ELECT	0.15uF 20% 50V
RY901	△ 1-515-720-11	RELAY (AV370X)		C553	1-130-481-00	MYLAR	0.0068uF 5% 50V
		< VARISTOR >		C554	1-130-489-00	MYLAR	0.033uF 5% 50V
VZ901	△ 1-807-180-31	VARISTOR SNR-14A471U		C555	1-126-163-11	ELECT	4.7uF 20% 50V
*****				C556	1-124-925-11	ELECT	2.2uF 20% 100V
	* 1-638-234-11	SPEAKER SWITCH BOARD	*****	C557	1-101-880-00	CERAMIC	47PF 5% 50V
		< CAPACITOR >		C559	1-124-903-11	ELECT	1uF 20% 50V
C091	1-164-089-11	CERAMIC	0.0022uF 50V	C560	1-130-489-00	MYLAR	0.033uF 5% 50V
C092	1-164-089-11	CERAMIC	0.0022uF 50V	C565	1-102-106-00	CERAMIC	100PF 10% 50V
		< SWITCH >				< CONNECTOR >	
S601	1-571-485-11	SWITCH, PUSH (2 KEY) (SPEAKERS)		CNS552 *	1-568-826-11	SOCKET, CONNECTOR 7P	
*****				CNS553 *	1-568-830-11	SOCKET, CONNECTOR 11P	
	* 1-638-236-11	STAND BY BOARD (AV370X)	*****			< DIODE >	
				D502	8-719-987-63	DIODE 1N4148M	
						< IC >	
				IC501	8-759-112-93	IC uPC4570HA-1	

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

TONE

TUNER

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
(TRANSISTOR)				(CAPACITOR)			
Q501	8-729-202-67	TRANSISTOR 2SK246GR3		C1	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V
Q502	8-729-620-05	TRANSISTOR 2SC2603-EF		C2	1-124-477-11	ELECT 47uF	20% 25V
Q504	8-729-202-67	TRANSISTOR 2SK246GR3		C3	1-164-232-11	CERAMIC CHIP 0.01uF	50V
Q505	8-729-900-36	TRANSISTOR DTC124ES		C4	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V
Q506	8-729-900-63	TRANSISTOR DTA124ES		C5	1-164-232-11	CERAMIC CHIP 0.01uF	50V
Q551	8-729-202-67	TRANSISTOR 2SK246GR3		C6	1-164-232-11	CERAMIC CHIP 0.01uF	50V(G)
Q552	8-729-620-05	TRANSISTOR 2SC2603-EF		C10	1-163-037-11	CERAMIC CHIP 0.022uF	10% 25V
(RESISTOR)				C21	1-161-021-11	CERAMIC 0.047uF	10% 25V
R501	1-249-429-11	CARBON 10K 5% 1/4W		C22	1-164-232-11	CERAMIC CHIP 0.01uF	50V
R502	1-249-421-11	CARBON 2.2K 5% 1/4W		C23	1-124-477-11	ELECT 47uF	20% 25V
R503	1-249-441-11	CARBON 100K 5% 1/4W		C24	1-123-382-00	ELECT 3.3uF	20% 100V
R504	1-249-427-11	CARBON 6.8K 5% 1/4W		C25	1-164-232-11	CERAMIC CHIP 0.01uF	50V
R505	1-249-438-11	CARBON 56K 5% 1/4W		C26	1-163-019-00	CERAMIC CHIP 0.0068uF	10% 50V
R506	1-249-441-11	CARBON 100K 5% 1/4W		C27	1-163-125-00	CERAMIC CHIP 220PF	5% 50V(G)
R507	1-247-883-00	CARBON 150K 5% 1/4W		C28	1-124-903-11	ELECT 1uF	20% 50V
R508	1-249-417-11	CARBON 1K 5% 1/4W		C29	1-163-117-00	CERAMIC CHIP 100PF	5% 50V(AEP, UK, E)
R509	1-249-412-11	CARBON 390 5% 1/4W		C29	1-163-133-00	CERAMIC CHIP 470PF	5% 50V(G)
R510	1-249-427-11	CARBON 6.8K 5% 1/4W		C30	1-124-903-11	ELECT 1uF	20% 50V
R518	1-249-441-11	CARBON 100K 5% 1/4W		C31	1-124-902-00	ELECT 0.47uF	20% 50V
R519	1-249-441-11	CARBON 100K 5% 1/4W		C32	1-124-463-00	ELECT 0.1uF	20% 50V
R520	1-247-903-00	CARBON 1M 5% 1/4W		C33	1-130-481-00	MYLAR 0.0068uF	5% 50V(AEP, G, UK)
R521	1-249-427-11	CARBON 6.8K 5% 1/4W		C33	1-130-482-00	MYLAR 0.0082uF	5% 50V(AV370X E)
R522	1-247-903-00	CARBON 1M 5% 1/4W		C34	1-123-382-00	ELECT 3.3uF	20% 100V
R551	1-249-429-11	CARBON 10K 5% 1/4W		C35	1-130-481-00	MYLAR 0.0068uF	5% 50V(AEP, G, UK)
R552	1-249-421-11	CARBON 2.2K 5% 1/4W		C35	1-130-482-00	MYLAR 0.0082uF	5% 50V(AV370X E)
R553	1-249-441-11	CARBON 100K 5% 1/4W		C36	1-123-382-00	ELECT 3.3uF	20% 100V
R554	1-249-427-11	CARBON 6.8K 5% 1/4W		C37	1-124-907-11	ELECT 10uF	20% 50V
R555	1-249-438-11	CARBON 56K 5% 1/4W		C39	1-164-232-11	CERAMIC CHIP 0.01uF	50V
R556	1-249-441-11	CARBON 100K 5% 1/4W		C40	1-124-463-00	ELECT 0.1uF	20% 50V
R557	1-247-883-00	CARBON 150K 5% 1/4W		C41	1-124-927-11	ELECT 4.7uF	20% 100V
R558	1-249-417-11	CARBON 1K 5% 1/4W		C42	1-164-232-11	CERAMIC CHIP 0.01uF	50V
R559	1-249-412-11	CARBON 390 5% 1/4W		C43	1-126-176-11	ELECT 220uF	20% 10V
R560	1-249-427-11	CARBON 6.8K 5% 1/4W		C44	1-164-232-11	CERAMIC CHIP 0.01uF	50V
(VARIABLE RESISTOR)				C45	1-123-382-00	ELECT 3.3uF	20% 100V
RV501	1-241-407-11	RES, VAR, CARBON 100K/100K (BALANCE)		C46	1-164-161-11	CERAMIC CHIP 0.0022uF	10% 100V
RV503	1-241-406-11	RES, VAR, CARBON 100K/100K (BASS)		C48	1-123-382-00	ELECT 3.3uF	20% 100V
RV504	1-241-406-11	RES, VAR, CARBON 100K/100K (TREBLE)		C49	1-164-161-11	CERAMIC CHIP 0.0022uF	10% 100V
*****				C51	1-124-477-11	ELECT 47uF	20% 25V
* A-4341-740-A TUNER BOARD, COMPLETE (AEP, UK)				C61	1-163-037-11	CERAMIC CHIP 0.022uF	10% 25V
* A-4341-741-A TUNER BOARD, COMPLETE (G)				C62	1-163-037-11	CERAMIC CHIP 0.022uF	10% 25V
* A-4341-742-A TUNER BOARD, COMPLETE (E)				C63	1-163-037-11	CERAMIC CHIP 0.022uF	10% 25V
*****				C64	1-163-037-11	CERAMIC CHIP 0.022uF	10% 25V
				C81	1-102-961-00	CERAMIC 27PF	5% 50V
				C82	1-102-961-00	CERAMIC 27PF	5% 50V
				C83	1-164-232-11	CERAMIC CHIP 0.01uF	50V
				C84	1-164-232-11	CERAMIC CHIP 0.01uF	50V
				C85	1-164-232-11	CERAMIC CHIP 0.01uF	50V
				C86	1-124-477-11	ELECT 47uF	20% 25V
				C87	1-164-232-11	CERAMIC CHIP 0.01uF	50V

TUNER

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C101	1-124-925-11	ELECT	2.2uF 20%	100V	R4	1-216-037-00 METAL CHIP	330 5% 1/10W (G)
C102	1-124-463-00	ELECT	0.1uF 20%	50V	R5	1-216-013-00 METAL CHIP	33 5% 1/10W(AEP, UK, E)
C104	1-164-232-11	CERAMIC CHIP	0.01uF	50V	R5	1-216-037-00 METAL CHIP	330 5% 1/10W (G)
C105	1-124-477-11	ELECT	47uF 20%	25V	R6	1-216-037-00 METAL CHIP	330 5% 1/10W
		< FILTER >			R7	1-216-109-00 METAL CHIP	330K 5% 1/10W
CF1	1-567-389-11	FILTER, CERAMIC			R8	1-216-013-00 METAL CHIP	33 5% 1/10W (G)
CF2	1-567-389-11	FILTER, CERAMIC			R9	1-216-037-00 METAL CHIP	330 5% 1/10W (G)
CF3	1-567-389-11	FILTER, CERAMIC (G)			R10	1-216-109-00 METAL CHIP	330K 5% 1/10W (G)
CF21	1-577-075-11	OSCILLATOR, CERAMIC			R21	1-249-404-00 CARBON	82 5% 1/4W
		< TRANSFORMER >			R22	1-249-462-11 CARBON	22K 5% 1/4W
CFT21	1-404-853-11	TRANSFORMER, IF			R23	1-216-049-00 METAL CHIP	1K 5% 1/10W
		< CONNECTOR >			R24	1-216-085-00 METAL CHIP	33K 5% 1/10W
CNJ1	* 1-569-795-11	HOUSING, CONNECTOR 10P			R25	1-216-071-00 METAL CHIP	8.2K 5% 1/10W
CNJ2	* 1-580-803-11	HOUSING, CONNECTOR 7P			R27	1-249-461-11 CARBON	18K 5% 1/4W
		< FRONT-END >			R28	1-247-719-11 CARBON	3.3K 5% 1/4W
FE1	1-465-006-21	FRONT-END (FM 2 GANG) (AEP, UK, E)			R29	1-216-073-00 METAL CHIP	10K 5% 1/10W
FE1	1-465-007-11	FRONT-END (FM 4 GANG) (G)			R31	1-216-041-00 METAL CHIP	470 5% 1/10W
FE61	1-236-461-11	ENCAPSULATED COMPONENT			R32	1-216-073-00 METAL CHIP	10K 5% 1/10W
		< IC >			R33	1-216-073-00 METAL CHIP	10K 5% 1/10W
IC21	8-759-821-45	IC LA1851N			R35	1-216-089-00 METAL CHIP	47K 5% 1/10W
IC81	8-759-820-91	IC LC7218			R37	1-216-109-00 METAL CHIP	330K 5% 1/10W
		< INDUCTOR >			R39	1-216-057-00 METAL CHIP	2.2K 5% 1/10W
L21	1-410-494-11	INDUCTOR 1MMH			R40	1-216-055-00 METAL CHIP	1.8K 5% 1/10W
		< FILTER >			R41	1-216-067-00 METAL CHIP	5.6K 5% 1/10W
LPF21	1-235-164-00	FILTER, LOW PASS			R42	1-216-109-00 METAL CHIP	330K 5% 1/10W
LPF22	1-235-164-00	FILTER, LOW PASS			R44	1-216-057-00 METAL CHIP	2.2K 5% 1/10W
		< TRANSISTOR >			R45	1-216-055-00 METAL CHIP	1.8K 5% 1/10W
Q1	8-729-230-XX	TRANSISTOR 2SC26690Y-TPE4			R46	1-216-067-00 METAL CHIP	5.6K 5% 1/10W
Q2	8-729-230-XX	TRANSISTOR 2SC26690Y-TPE4 (G)			R47	1-249-409-11 CARBON	220 5% 1/4W
Q21	8-729-119-78	TRANSISTOR 2SC2785-HFE			R61	1-216-097-00 METAL CHIP	100K 5% 1/10W
Q22	8-729-119-78	TRANSISTOR 2SC2785-HFE			R62	1-216-089-00 METAL CHIP	47K 5% 1/10W
Q23	8-729-900-61	TRANSISTOR DTA114ES			R63	1-216-009-00 METAL CHIP	22 5% 1/10W
Q24	8-729-900-80	TRANSISTOR DTC114ES			R81	1-216-049-00 METAL CHIP	1K 5% 1/10W
Q81	8-729-900-61	TRANSISTOR DTA114ES			R82	1-216-049-00 METAL CHIP	1K 5% 1/10W
Q82	8-729-900-80	TRANSISTOR DTC114ES			R83	1-216-049-00 METAL CHIP	1K 5% 1/10W
Q83	8-729-202-67	TRANSISTOR 2SK246GR3			R84	1-216-049-00 METAL CHIP	1K 5% 1/10W
Q84	8-729-230-93	TRANSISTOR 2SC3113-AB			R85	1-216-073-00 METAL CHIP	10K 5% 1/10W
		< RESISTOR >			R86	1-216-049-00 METAL CHIP	1K 5% 1/10W
R1	1-249-401-11	CARBON	47 5%	1/4W	R87	1-216-073-00 METAL CHIP	10K 5% 1/10W
R3	1-216-037-00	METAL CHIP	330 5%	1/10W (G)	R88	1-216-065-00 METAL CHIP	4.7K 5% 1/10W
R4	1-216-013-00	METAL CHIP	33 5%	1/10W(AEP, UK, E)	R89	1-216-049-00 METAL CHIP	1K 5% 1/10W
					R90	1-216-073-00 METAL CHIP	10K 5% 1/10W
					R91	1-216-049-00 METAL CHIP	1K 5% 1/10W
					R92	1-249-401-11 CARBON	47 5% 1/4W
					R101	1-216-061-00 METAL CHIP	3.3K 5% 1/10W
					R102	1-216-043-00 METAL CHIP	560 5% 1/10W
					R103	1-216-049-00 METAL CHIP	1K 5% 1/10W
					R104	1-216-035-00 METAL CHIP	270 5% 1/10W
					R105	1-216-065-00 METAL CHIP	4.7K 5% 1/10W
					R106	1-216-057-00 METAL CHIP	2.2K 5% 1/10W

TUNER

VOL

Ref. No.	Part No.	Description	Remark
R107	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R108	1-216-025-00	METAL CHIP 100 5% 1/10W	
R109	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R110	1-249-405-11	CARBON 100 5% 1/4W	

< VARIABLE RESISTOR >

RV21	1-238-015-11	RES, ADJ, CARBON 4.7K	
RV23	1-238-021-11	RES, ADJ, CARBON 220K	
RV24	1-238-017-11	RES, ADJ, CARBON 22K	

< TRANSFORMER >

T21	1-404-807-11	TRANSFORMER, DISCRIMINATOR	
T23	1-235-126-00	ENCAPSULATED COMPONENT (G)	

< TERMINAL >

TM1	* 1-537-264-21	TERMINAL BOARD (E)	
TM1	* 1-537-288-11	TERMINAL BOARD (PAL) (AEP, G, UK)	

< TEST PIN >

TP1	* 1-560-060-00	PIN, CONNECTOR 2P	
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< VIBRATOR >

XT81	1-577-126-11	VIBRATOR, CRYSTAL	
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* 1-638-950-11 VOL BOARD

< CAPACITOR >

C517	1-124-464-11	ELECT 0.22uF 20% 50V (AV370X)	
C518	1-124-464-11	ELECT 0.22uF 20% 50V (AV370X)	

< VARIABLE RESISTOR >

RV502	1-241-405-11	RES, VAR, CARBON 100K/100K (VOLUME) (AV370X)	
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RV502	1-241-408-11	RES, VAR, CARBON 100K/100K (VOLUME) (AV270X)	
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ACCESSORIES & PACKING MATERIALS

1-465-423-11	REMOTE COMMANDER (RM-S103) (AV370X: AEP, G, E)
1-465-809-11	REMOTE COMMANDER (RM-U211) (AV370X: UK)
1-501-369-21	ANTENNA (AEP, UK)
1-501-374-51	ANTENNA, LOOP
1-569-008-11	ADAPTOR, CONVERSION 2P (E)
2-181-754-01	COVER, BATTERY (for RM-S103)
3-707-584-01	COVER, BATTERY (for RM-U211)

Ref. No.	Part No.	Description	Remark
	3-753-021-41	MANUAL, INSTRUCTION (AEP) (GERMAN, FRENCH, DUTCH, SWEDISH, SPANISH, ITALIAN)	
	3-753-021-51	MANUAL, INSTRUCTION (G) (GERMAN)	
	3-753-021-61	MANUAL, INSTRUCTION (UK) (ENGLISH)	
	3-753-021-71	MANUAL, INSTRUCTION (E) (ENGLISH, FRENCH, SPANISH, CHINESE)	
	* 4-943-615-01	CUSHION	
	* 4-944-450-01	INDIVIDUAL CARTON (AV370X: AEP, UK, G)	
	* 4-944-451-01	INDIVIDUAL CARTON (AV370X: E)	
	* 4-944-452-01	INDIVIDUAL CARTON (AV270X)	

HARDWARE LIST

#1	7-682-547-04	SCREW +BVTT 3X6 (S)
#2	7-682-548-04	SCREW +BVTT 3X8 (S)
#3	7-682-560-04	SCREW +BVTT 4X6 (S)
#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3
#5	7-682-547-09	SCREW +BVTT 3X6 (S)
#6	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
#7	7-685-534-19	SCREW +BTP2. 6X8 TYPE2 (AV370X E)

TUNER VOL

Part No.	Description	Part No.	Description
1-275-021-01	MANUAL INSTRUCTION (FRENCH/GERMAN/ITALIAN)	1-275-021-01	MANUAL INSTRUCTION (FRENCH/GERMAN/ITALIAN)
1-275-021-02	MANUAL INSTRUCTION (SPANISH/PORTUGUESE)	1-275-021-02	MANUAL INSTRUCTION (SPANISH/PORTUGUESE)
1-275-021-03	MANUAL INSTRUCTION (ENGLISH)	1-275-021-03	MANUAL INSTRUCTION (ENGLISH)
1-275-021-04	MANUAL INSTRUCTION (DUTCH)	1-275-021-04	MANUAL INSTRUCTION (DUTCH)
1-275-021-05	MANUAL INSTRUCTION (GREEK)	1-275-021-05	MANUAL INSTRUCTION (GREEK)
1-275-021-06	MANUAL INSTRUCTION (HEBREW)	1-275-021-06	MANUAL INSTRUCTION (HEBREW)
1-275-021-07	MANUAL INSTRUCTION (HUNGARIAN)	1-275-021-07	MANUAL INSTRUCTION (HUNGARIAN)
1-275-021-08	MANUAL INSTRUCTION (JAPANESE)	1-275-021-08	MANUAL INSTRUCTION (JAPANESE)
1-275-021-09	MANUAL INSTRUCTION (KOREAN)	1-275-021-09	MANUAL INSTRUCTION (KOREAN)
1-275-021-10	MANUAL INSTRUCTION (POLISH)	1-275-021-10	MANUAL INSTRUCTION (POLISH)
1-275-021-11	MANUAL INSTRUCTION (ROMANIAN)	1-275-021-11	MANUAL INSTRUCTION (ROMANIAN)
1-275-021-12	MANUAL INSTRUCTION (RUSSIAN)	1-275-021-12	MANUAL INSTRUCTION (RUSSIAN)
1-275-021-13	MANUAL INSTRUCTION (SLOVAK)	1-275-021-13	MANUAL INSTRUCTION (SLOVAK)
1-275-021-14	MANUAL INSTRUCTION (SLOVENIAN)	1-275-021-14	MANUAL INSTRUCTION (SLOVENIAN)
1-275-021-15	MANUAL INSTRUCTION (SWEDISH)	1-275-021-15	MANUAL INSTRUCTION (SWEDISH)
1-275-021-16	MANUAL INSTRUCTION (TAMIL)	1-275-021-16	MANUAL INSTRUCTION (TAMIL)
1-275-021-17	MANUAL INSTRUCTION (THAI)	1-275-021-17	MANUAL INSTRUCTION (THAI)
1-275-021-18	MANUAL INSTRUCTION (TURKISH)	1-275-021-18	MANUAL INSTRUCTION (TURKISH)
1-275-021-19	MANUAL INSTRUCTION (VIETNAMESE)	1-275-021-19	MANUAL INSTRUCTION (VIETNAMESE)
1-275-021-20	MANUAL INSTRUCTION (CHINESE)	1-275-021-20	MANUAL INSTRUCTION (CHINESE)

HARDWARE LIST

Part No.	Description	Part No.	Description
1-275-021-01	MANUAL INSTRUCTION (FRENCH/GERMAN/ITALIAN)	1-275-021-01	MANUAL INSTRUCTION (FRENCH/GERMAN/ITALIAN)
1-275-021-02	MANUAL INSTRUCTION (SPANISH/PORTUGUESE)	1-275-021-02	MANUAL INSTRUCTION (SPANISH/PORTUGUESE)
1-275-021-03	MANUAL INSTRUCTION (ENGLISH)	1-275-021-03	MANUAL INSTRUCTION (ENGLISH)
1-275-021-04	MANUAL INSTRUCTION (DUTCH)	1-275-021-04	MANUAL INSTRUCTION (DUTCH)
1-275-021-05	MANUAL INSTRUCTION (GREEK)	1-275-021-05	MANUAL INSTRUCTION (GREEK)
1-275-021-06	MANUAL INSTRUCTION (HEBREW)	1-275-021-06	MANUAL INSTRUCTION (HEBREW)
1-275-021-07	MANUAL INSTRUCTION (HUNGARIAN)	1-275-021-07	MANUAL INSTRUCTION (HUNGARIAN)
1-275-021-08	MANUAL INSTRUCTION (JAPANESE)	1-275-021-08	MANUAL INSTRUCTION (JAPANESE)
1-275-021-09	MANUAL INSTRUCTION (KOREAN)	1-275-021-09	MANUAL INSTRUCTION (KOREAN)
1-275-021-10	MANUAL INSTRUCTION (POLISH)	1-275-021-10	MANUAL INSTRUCTION (POLISH)
1-275-021-11	MANUAL INSTRUCTION (ROMANIAN)	1-275-021-11	MANUAL INSTRUCTION (ROMANIAN)
1-275-021-12	MANUAL INSTRUCTION (RUSSIAN)	1-275-021-12	MANUAL INSTRUCTION (RUSSIAN)
1-275-021-13	MANUAL INSTRUCTION (SLOVAK)	1-275-021-13	MANUAL INSTRUCTION (SLOVAK)
1-275-021-14	MANUAL INSTRUCTION (SLOVENIAN)	1-275-021-14	MANUAL INSTRUCTION (SLOVENIAN)
1-275-021-15	MANUAL INSTRUCTION (SWEDISH)	1-275-021-15	MANUAL INSTRUCTION (SWEDISH)
1-275-021-16	MANUAL INSTRUCTION (TAMIL)	1-275-021-16	MANUAL INSTRUCTION (TAMIL)
1-275-021-17	MANUAL INSTRUCTION (THAI)	1-275-021-17	MANUAL INSTRUCTION (THAI)
1-275-021-18	MANUAL INSTRUCTION (TURKISH)	1-275-021-18	MANUAL INSTRUCTION (TURKISH)
1-275-021-19	MANUAL INSTRUCTION (VIETNAMESE)	1-275-021-19	MANUAL INSTRUCTION (VIETNAMESE)
1-275-021-20	MANUAL INSTRUCTION (CHINESE)	1-275-021-20	MANUAL INSTRUCTION (CHINESE)

STR-AV270X/AV370X

SONY SERVICE MANUAL

AEP Model
STR-AV270X/AV370X

UK Model

E Model
STR-AV370X

CORRECTION-1

Correct the service manual as shown below.

 : Indicates corrected portion.

Page	Incorrect			Correct		
	<u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No.</u>	<u>Part No.</u>	<u>Description</u>
27	S901	1-152-267-21	SWITCH PUSH (AC POWER) (1KEY) (POWER) (AV270X)	S901	1- 152 -267-21	SWITCH PUSH (AC POWER) (1KEY) (POWER) (AV270X)