

STR-AV210/AV310

SERVICE MANUAL

AEP Model
STR-AV210/AV310

UK Model
STR-AV310



This photo is STR-AV310.

SPECIFICATIONS

Continuous RMS power output

- STR-AV210: 20 W + 20 W (8 ohms, at 40 Hz – 20 kHz less than 0.8% total harmonic distortion)
 STR-AV310: AEP, WG models
 30W + 30W (8 ohms, at 40Hz–20kHz less than 0.8% total harmonic distortion)
 STR-AV310: UK model
 50W + 50W (8 ohms, at 40Hz–20kHz less than 0.8% total harmonic distortion)

Power output

- DIN: STR-AV210 30 W + 30 W (4 ohms at 1 kHz 0.7%)
 STR-AV310 AEP, WG models
 50W + 50W (4 ohms at 1kHz 0.7%)
 STR-AV310 UK model
 55W + 55W (8 ohms at 1kHz 0.7%)
 IEC: STR-AV210 30 W + 30 W (4 ohms at 1 kHz 0.7%)
 STR-AV310 AEP, WG models
 50W + 50W (4 ohms at 1kHz 0.7%)
 STR-AV310 UK model
 55W + 55W (8 ohms at 1kHz 0.7%)

Harmonic distortion

Less than 0.8% at rated output

Frequency response

PHONO: RIAA equalization curve ± 0.5 dB
 CD
 VIDEO
 TAPE } 40 Hz – 50 kHz ± 3 dB

Inputs

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

Outputs

REC OUT, VIDEO (AUDIO) OUT	Voltage 150 mV Impedance 10 kilohms
SPEAKER A, B	Accepts speakers of 4–16 ohms (STR-AV210/AV310: AEP, WG models) or 8–16 ohms (STR-AV310: UK model)
HEADPHONES	Accepts low and high impedance headphones

Tone controls BASS: ± 8 dB at 100 Hz
 TREBLE: ± 8 dB at 10 kHz
 Muting –20 dB (STR-AV310 only)

	FM tuner section	AM tuner section
Tuning range	87.5 – 108 MHz	531 – 1,602 kHz
Antenna terminals	75 ohms, unbalanced	External antenna terminal
Sensitivity at 40 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 1000 kHz)
Signal-to-noise ratio	76 dB (mono) 70 dB (stereo)	54 dB (at 50 mV/m)

— continued on next page —

FM STEREO/FM-AM RECEIVER
SONY®



* '78 IHF

	FM tuner section	AM tuner section
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	30 dB at 9 kHz
Separation	45 dB at 1 kHz	—
Frequency response	30 Hz - 15 kHz ± 1 dB	—

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: low-noise NF type equalizer amp Power amplifier section: quasi-complementary SEPP
Power requirements	STR-AV210/AV310: AEP, WG models: 220V AC, 50/60Hz STR-AV310: UK model: 240V AC, 50/60Hz
Power consumption	STR-AV210: 80 W STR-AV310: AEP, WG models: 120W STR-AV310: UK model : 230W In standby condition: 5 watts (STR-AV310 only)
AC outlets	One switched (100 watts) (STR-AV310 only)
Dimensions	Approx. 430 × 105 × 300 mm (w/h/d) (17 × 4 1/8 × 11 7/8 inches) including projecting parts and controls
Weight	Approx 6 kg (13 lb 4 oz) net (STR-AV210) Approx. 6.4kg (14 lb 2oz) net (STR-AV310: AEP, WG models) Approx. 6.5kg (14 lb 5oz) net (STR-AV310: UK model)
Accessories supplied	Remote Commander RM-S70 (1) (STR-AV310: AEP, WG models) Remote Commander RM-U90 (1) (STR-AV310: UK model) Sony batteries SUM 3(NS) (2) (STR-AV310 only) FM wired antenna (1) (Except for WG model) AM loop antenna (1)

WARNING !!

ADVARSEL!

Lithiumbatteri – Eksplosionsfare
Udskiftning må kun foretages
af en sagkyndig, og som
beskrevet i servicemanualen.

LITHIUM BATTERY

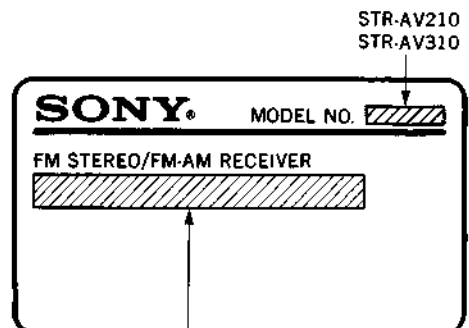
SHOULD ONLY BE CHANGED BY TECHNICAL PERSONNEL. THERE IS A RISK FOR EXPLOSION AT A WRONG HANDLING.

“Batteriet må kun udskiftes med et batteri af samme fabrikat og type”.

Because of the risk for explosion the battery must be replaced with the same type and manufacture.

MODEL IDENTIFICATION

— Model Number Label—



STR-AV210 : AEP, WG model : AC 220V~50/60Hz
STR-AV310 : AEP, WG model : AC 220V~50/60Hz
STR-AV310 : UK model : AC 240V~50/60Hz
(WG : West Germany)

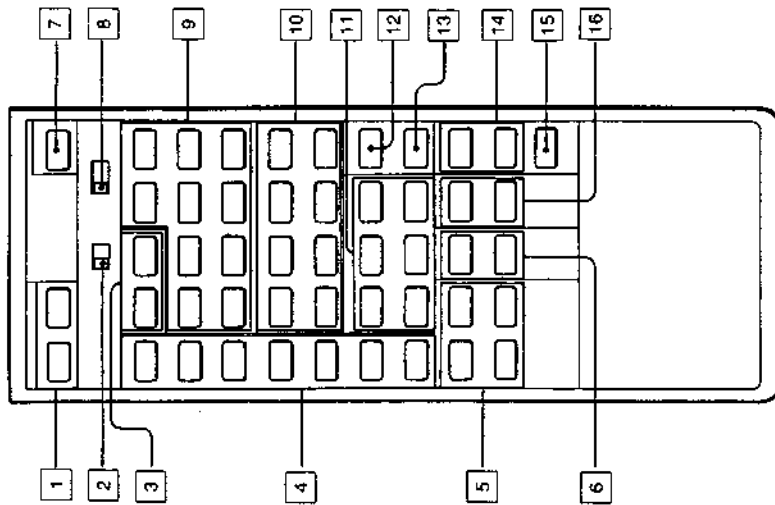
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SAFETY-RELATED COMPONENT WARNING!!

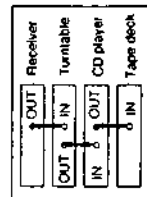
COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Remote Commander RM-J90 (STR-AV310 : UK model only)



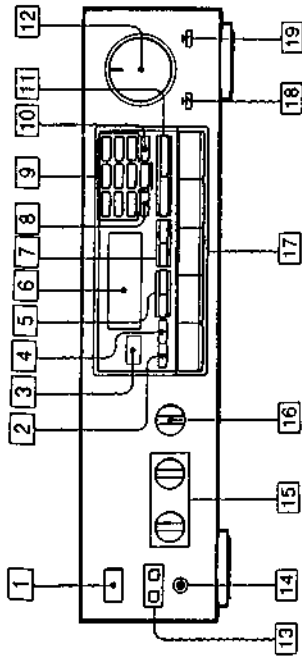
- 1 TV/VTR POWER buttons**
TV: Turns the power of the TV on or off.
VTR: Turns the power of the VTR on or off.
- 2 DECK selector**
A: Selects the tape in a single-deck unit or the tape in the "A" deck of a double-deck unit.
B: Selects the tape in the "B" deck of a double-deck unit.
- 3 PHONO buttons**
START: Starts record play.
STOP: Stops record play.
- 4 Function selectors**
- 5 TV CH (channel) and VOL (volume) buttons**
CH+: Selects a higher numbered channel.
CH -: Selects a lower numbered channel.
VOL +: Increases the TV sound level.
VOL -: Decreases the TV sound level.
- 6 VTR CH (channel) buttons**
+: Selects a higher-numbered channel.
-: Selects a lower-numbered channel.
- 7 POWER button**
Turns off the power of the receiver on or off.
- 8 VTR selector**
Used to select the type of the VTR.
1: Betamax VTRs
2: 8 mm VTRs
3: VHS VTRs
- 9 CD buttons**
▶: Starts play.
||: Pause
■: Stops play.
◀▶: AMS (Automatic Music Sensor) PGM: Program play.
DISC SKIP: Disc skip (for a CD player equipped with 5 disc trays)
- 10 TAPE buttons**
REPEAT: Repeat play.
SHUFFLE: Shuffle play.
CONTINUE: Continuous play.
◀◀: Reverse fast winding
◀: Reverse play
▶: Forward play
▶▶: Forward fast winding
■: Stop
||: Pause
●: Recording (While pressing ●, press ◀ or ▶)
○: Record muting
- 11 VTR buttons**
◀◀: Rewind
▶: Play
▶▶: Fast forward
■: Stop
||: Pause
●: To start recording (While pressing ●, press ▶)
- 12 ANT (antenna) TV/VTR button**
Selects the output signal from the antenna terminal on the VTR, either a TV signal or VTR programs.
- 13 TV/VIDEO button**
Selects the input signal to the TV set, either a TV signal or VTR programs.
- 14 VOL (volume) control buttons**
Adjust the sound level.
- 15 MUTE button**
- 16 TUNER PRESET buttons**
+: Selects the higher preset number.
-: Selects the lower preset number.

Notes on the remote commander
For the functions other than the receiver's own ones, the remote commander is effective only when the receiver's own ones, the remote commander is effective only when the receiver is connected to the CONTROL S IN jacks of the respective components, as shown. For connection, use the special cables supplied with your components.
If the components have remote sensor with  mark, the components can be controlled with the remote commander without CONTROL S connection.



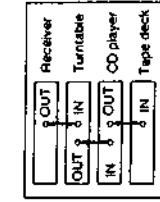
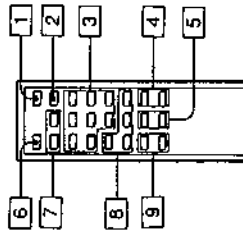
SECTION 1
GENERAL

1-1. LOCATION AND FUNCTION OF CONTROLS



- 1 SYSTEM POWER switch (STR-AV310)
POWER switch (STR-AV210)
- 2 DIRECT TUNING button
- 3 Remote sensor (STR-AV310 only)
- 4 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.
- 5 BAND selectors
- 6 Display window
- 7 TUNING +/– buttons
- 8 MEMORY button
- 9 Numeric buttons
- 10 SHIFT button
- 11 PRESET +/– buttons
- 12 VOLUME control and indicator
The indicator is only equipped with the STR-AV310
- 13 SPEAKERS selectors
Depress to select which speaker system to drive. For both speaker systems, depress A and B.
- 14 HEADPHONES jack (stereo phone jack)
- 15 TONE controls
Turn the TREBLE control to adjust the high frequency sound. Turn BASS control to adjust the low frequency sound.
- 16 BALANCE control
Turn counterclockwise to decrease the left channel volume, and turn clockwise to decrease the right channel volume.
- 17 Function selectors
- 18 DBFB (Dynamic Bass Feed Back) button and indicator button.
- 19 MUTING button and indicator (STR-AV310 only)
Press to attenuate the sound level immediately (–20 dB ATT). Pressing this button makes the indicator be lighted. To restore the sound level, press again.

Remote Commander RM-S70 (STR-AV310 : AEP, WG models only)



- 1 POWER switch
- 2 DBFB button
- 3 Tape deck operation buttons
TAPE ◀ or ▶: Selects the TAPE function and starts tape playback.
DECK A/B: Set this switch to select a deck of a double-deck unit.
- 4 VOLUME +/- buttons
- 5 TUNER PRESET +/- buttons
Depress to tune in a preset station.
- 6 MUTING button
- 7 Turntable system operation buttons
PHONO START: Selects the PHONO function and starts the playing of a phono disc.
- 8 CD player operation buttons
DISC SKIP: When your CD player is equipped with 5 disc trays, use this button to skip loaded disc.
CD▶: Selects the CD function and starts CD playback.
- 9 TUNER/VIDEO function buttons
Select TUNER or VIDEO function.

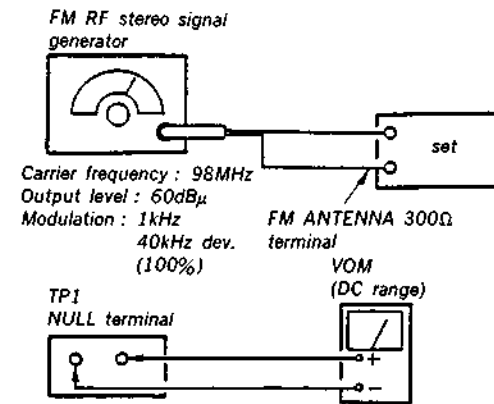
Notes on the remote commander
For the functions other than the receiver's own ones, the remote commander is effective only when the CONTROL S OUT jack on the back of the receiver is connected to the CONTROL S IN jacks of the respective components, as shown. For connection, use the special cables supplied with your components.
If the components have remote sensor with mark, the components can be controlled with the remote commander without CONTROL S connection.

SECTION 2 ELECTRICAL ADJUSTMENTS

FM SECTION

• FM Discriminator (NULL) Adjustment

Setting :



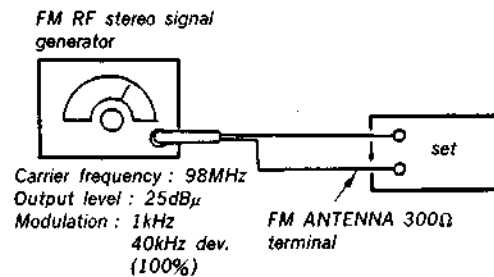
Procedure :

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 :

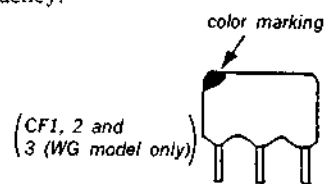


Procedure :

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

Note on Ceramic Filter (CF1, 2 and 3 (WG model only)) Replacement

This set employs three ceramic filters (CF1, 2 and 3 (WG model only)) 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.

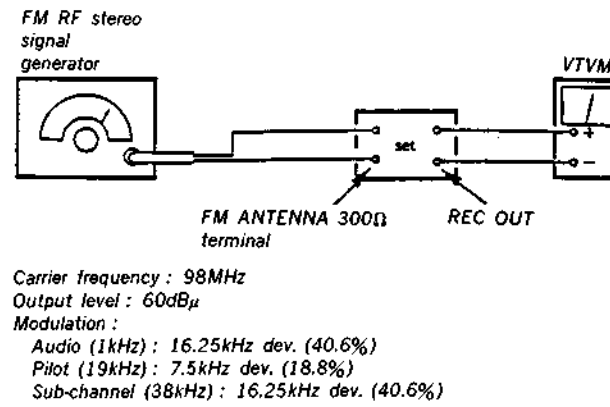


Color mark	Center frequency (MHz)	Connection		FM intermediate frequency (MHz)
		* A (D321)	* B (D324)	
White	10.750	○	×	10.750
Red	10.700	×	×	10.700
Black	10.650	○	○	10.650

○ : short
× : open

• FM Stereo Separation Adjustment

Setting :



Procedure :

Tune the set to 98MHz.

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

L-CH Stereo separation : Ⓐ - Ⓑ

R-CH Stereo separation : Ⓒ - Ⓓ

The separations of both channels should be equal.

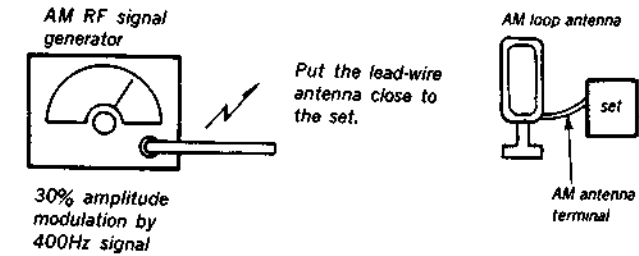
SECTION 3 DIAGRAMS

3-1. BLOCK DIAGRAM

AM SECTION

• AM Meter Adjustment

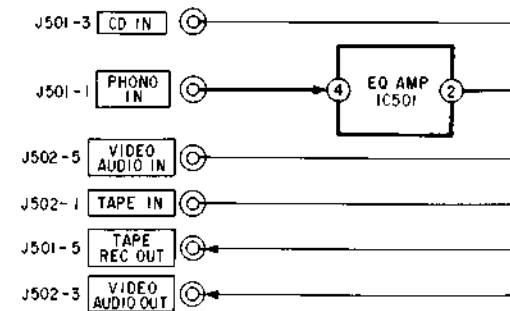
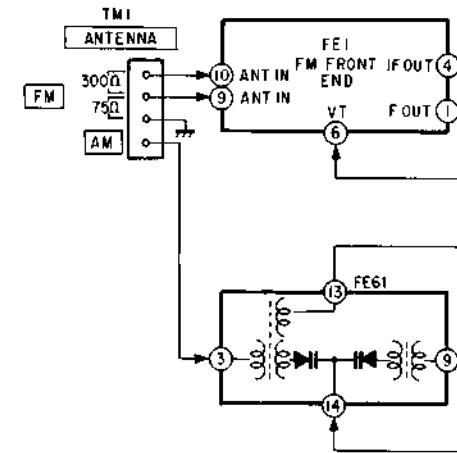
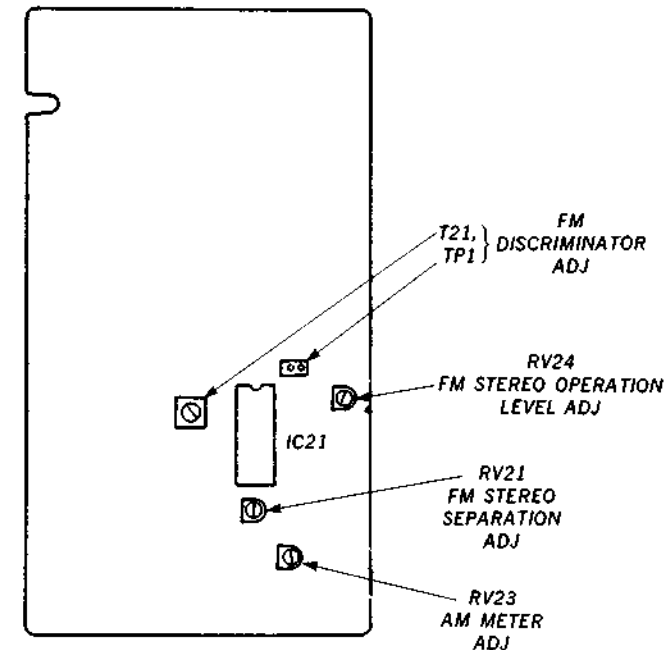
Setting :



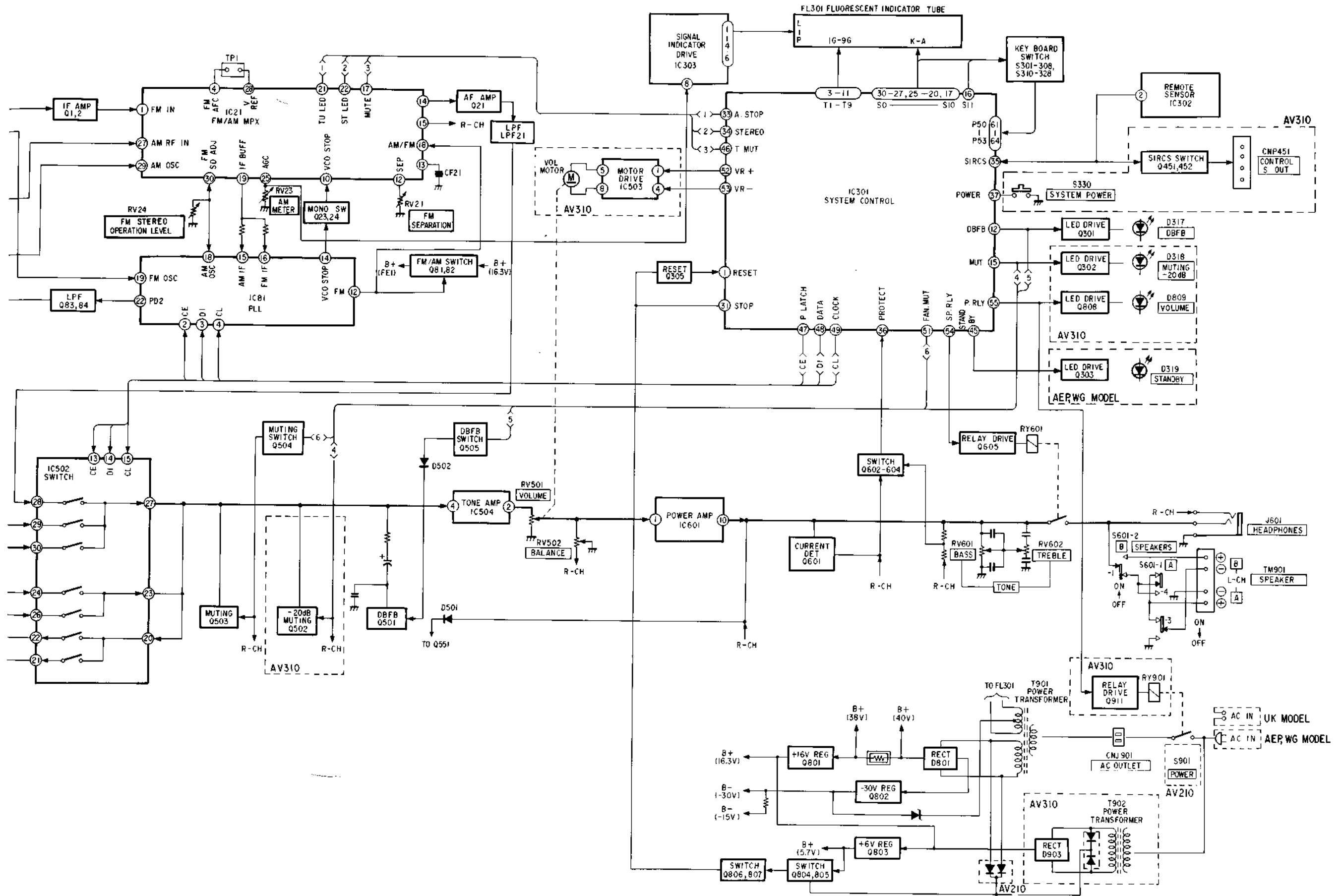
Procedure :

1. Tune the set to 1,404kHz.
2. Adjust the RV23 so that the 4 point segment of the signal meter goes on.

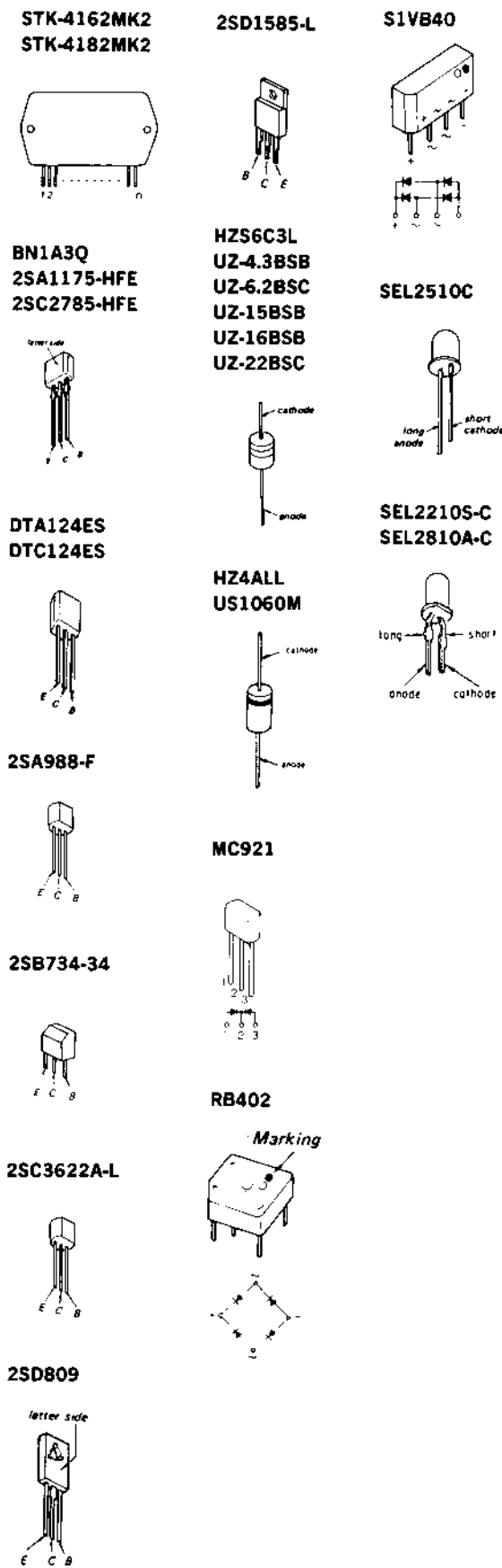
Adjustment Location : tuner board



— R-CH IS OMISSION —



3-2. SEMICONDUCTOR LEAD LAYOUTS



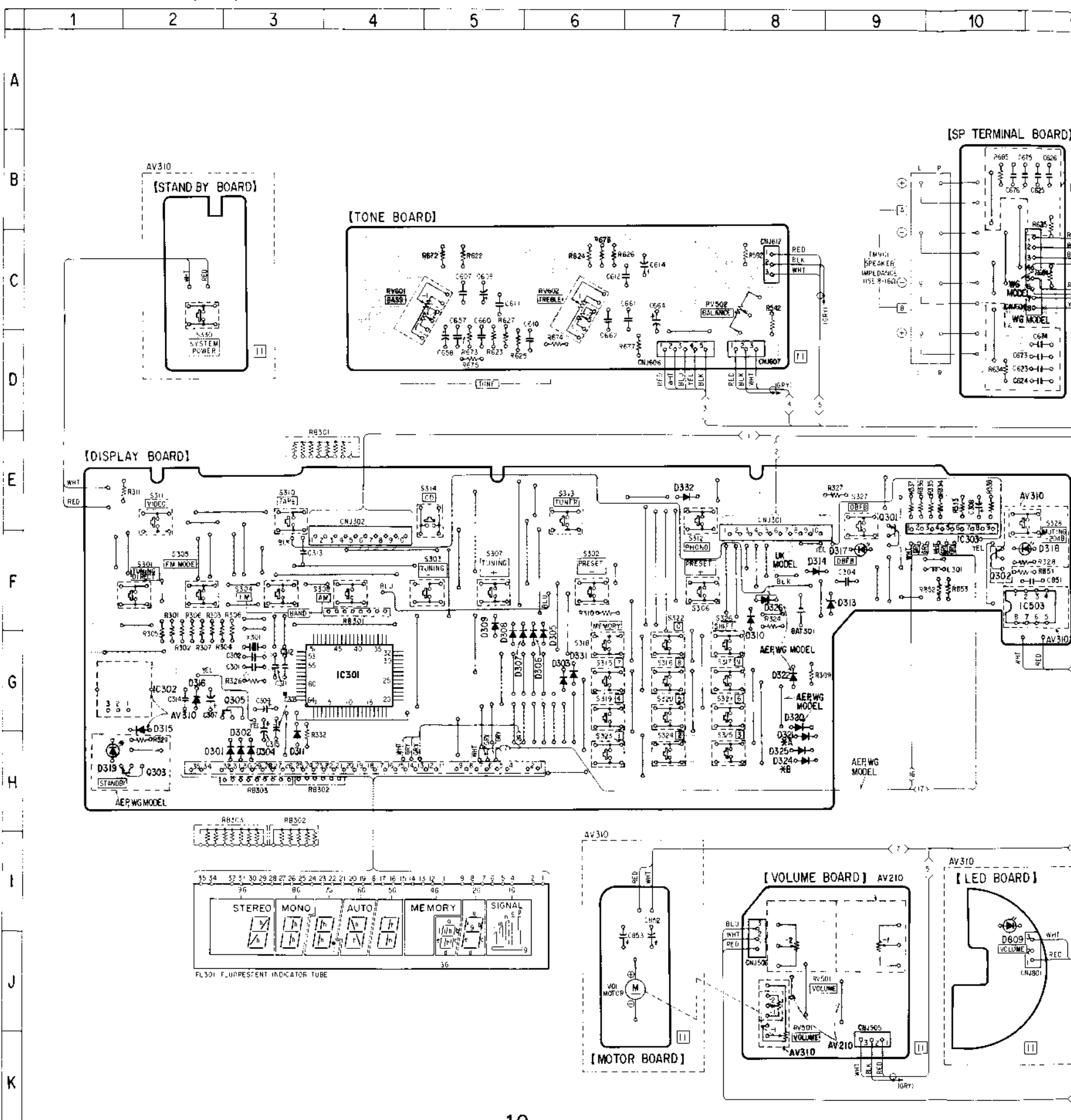
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D301	H-3	IC502	D-19
D302	H-3	IC503	F-11
D303	G-6	IC504	H-18
D304	H-3	IC601	H-23
D305	G-6		
D306	G-6	Q1	D-14
D307	G-5	Q2	D-14
D308	G-5	Q3	E-14
D309	F-5	Q4	E-14
D310	F-8	Q21	G-14
D311	H-3	Q22	G-13
D313	F-9	Q23	E-14
D314	F-8	Q24	E-14
D315	H-2	Q81	E-14
D316	G-2	Q82	E-14
D317	F-9	Q83	C-15
D318	F-11	Q84	B-15
D319	H-1	Q301	F-9
D320	H-8	Q302	F-10
D321	H-8	Q303	H-1
D322	G-8	Q305	G-3
D324	H-8	Q451	B-22
D325	H-8	Q452	B-22
D331	G-6	Q501	G-18
D332	E-7	Q502	F-18
D451	B-22	Q503	F-18
D501	H-18	Q504	F-17
D502	H-18	Q505	J-18
D503	F-17	Q551	G-18
D504	F-17	Q552	G-18
D601	E-22	Q553	E-18
D602	J-21	Q601	E-21
D603	I-21	Q602	F-21
D651	G-21	Q603	G-21
D801	D-21	Q604	G-21
D805	J-22	Q605	J-21
D806	I-20	Q651	G-22
D807	G-19	Q801	I-20
D808	G-19	Q802	G-19
D809	I-10	Q803	B-21
D810	B-21	Q804	C-21
D811	B-21	Q805	B-21
D812	C-21	Q806	C-21
D813	D-22	Q807	C-21
D903	B-24	Q808	J-19
D912	B-24	Q911	B-25
D913	B-25		
IC21	F-13		
IC81	D-15		
IC301	G-4		
IC302	G-2		
IC303	F-10		
IC501	C-17		

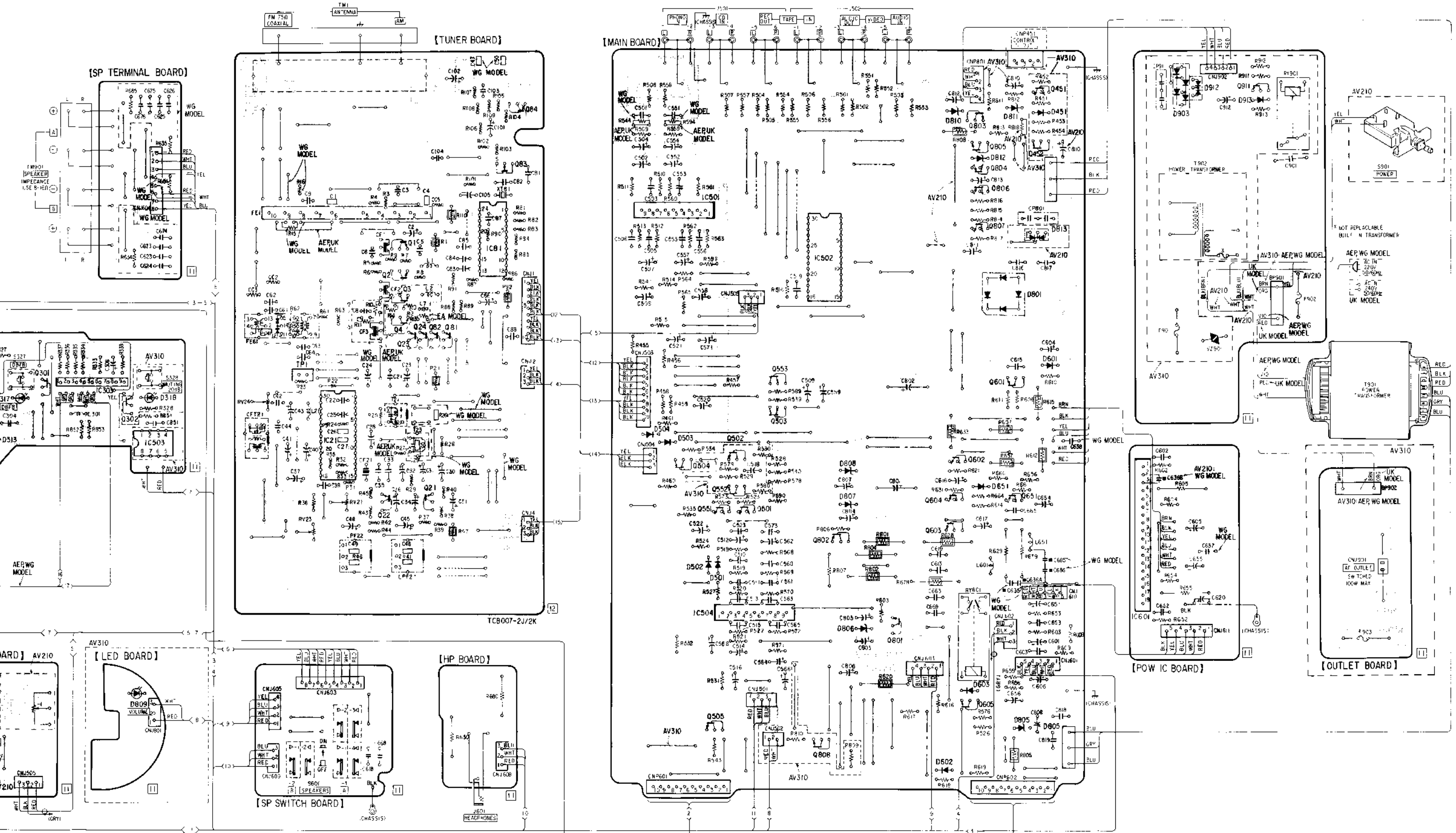
Note:

- : parts extracted from the component side.
- : parts mounted on the conductor side.
- : indicates side identified with part number.
- * A, * B : See Page 5 for Note on Ceramic Filter (CF1, 2 and 3) Replacement.
- WG: West Germany

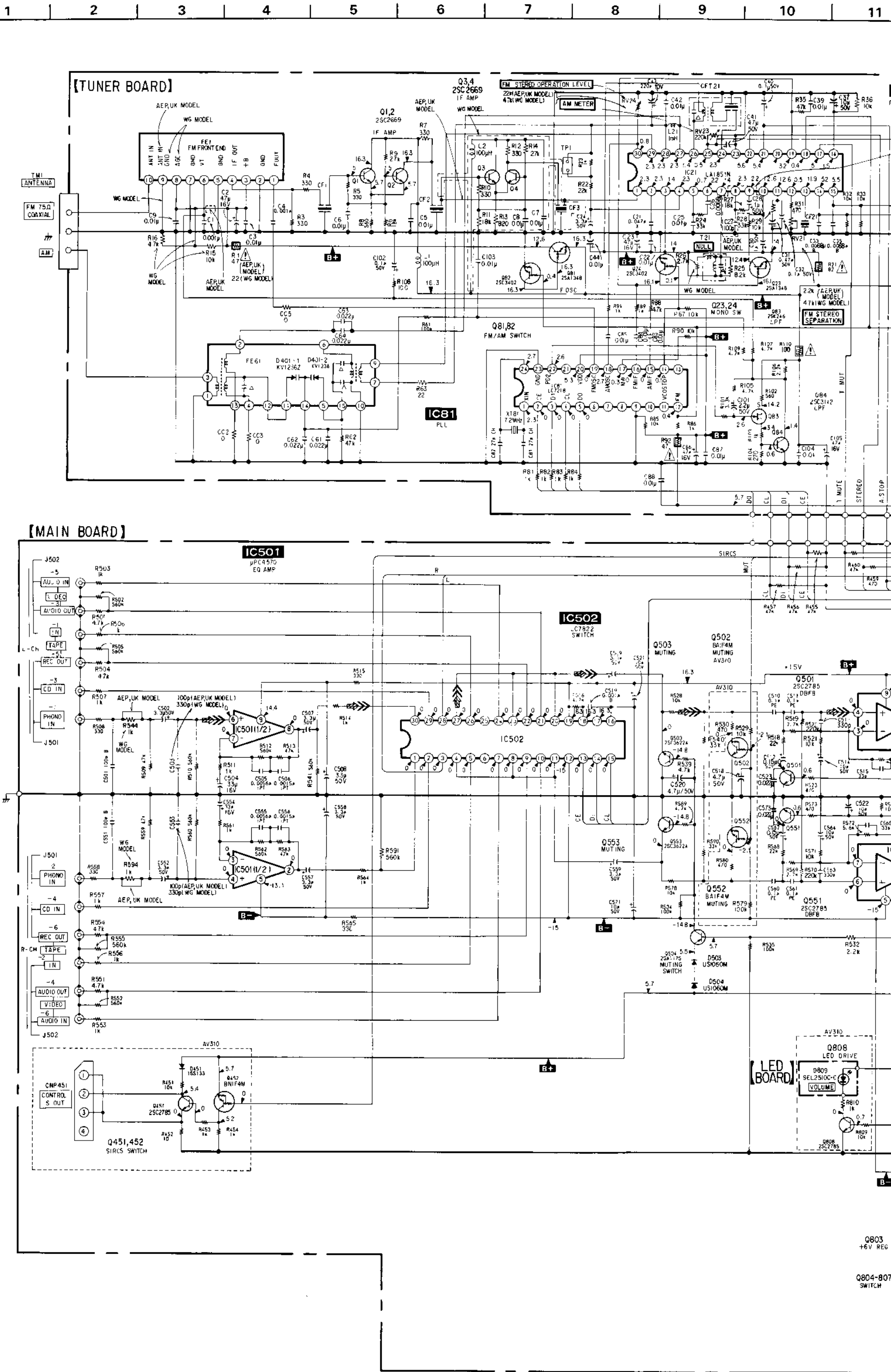
3-3. PRINTED WIRING BOARDS

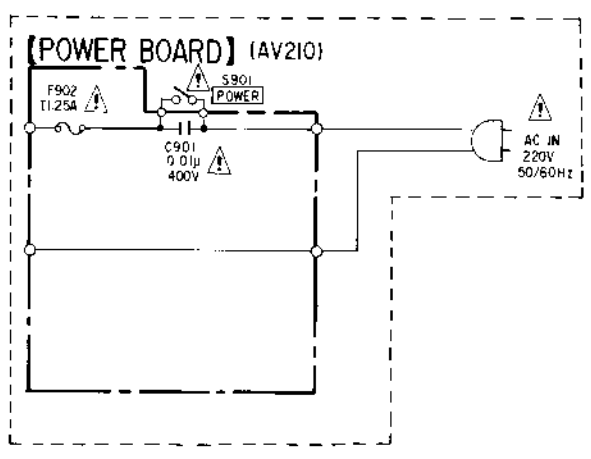
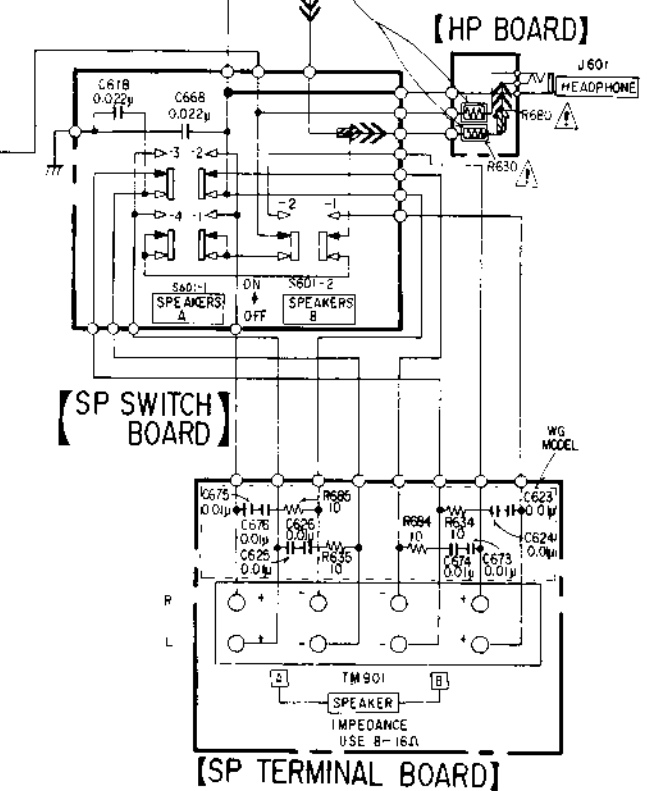
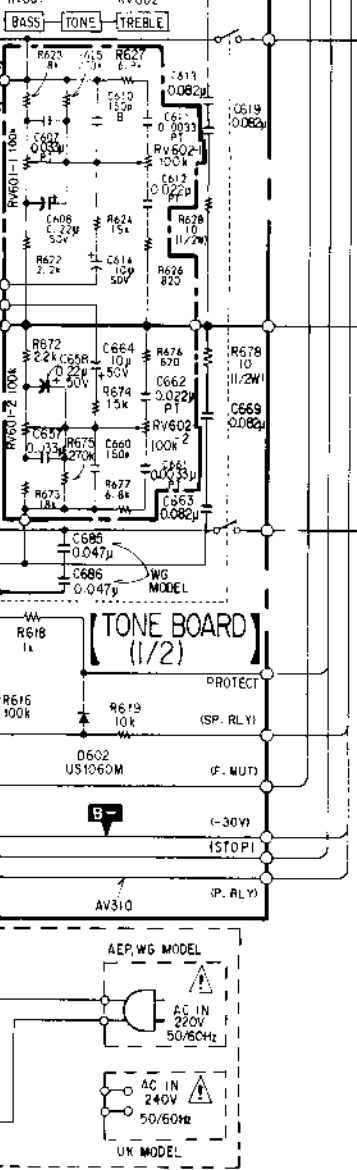
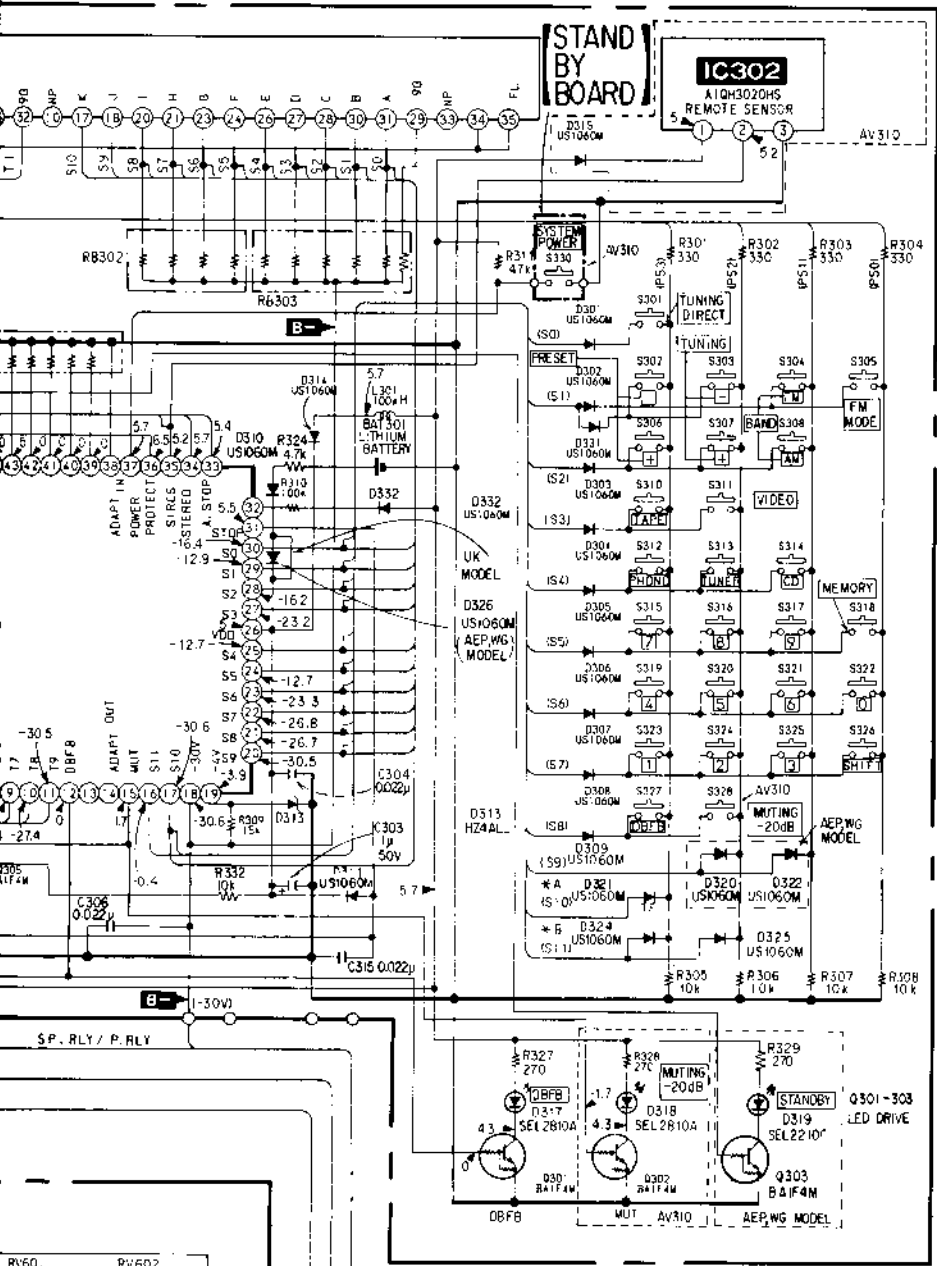


9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

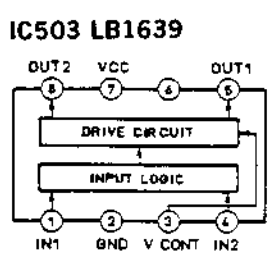
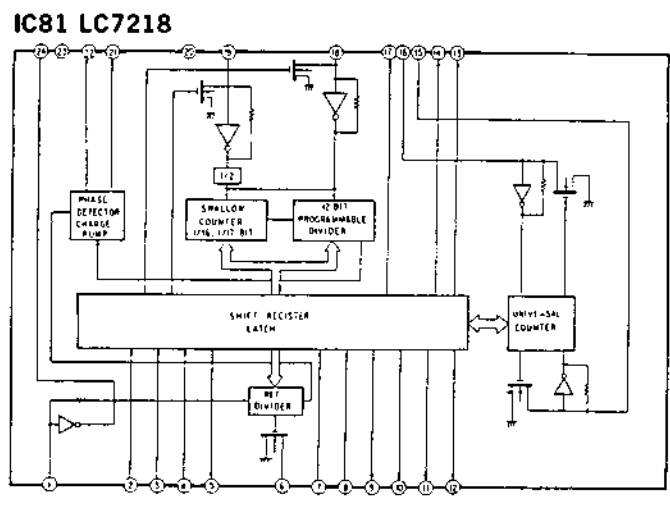


3-4. SCHEMATIC DIAGRAM

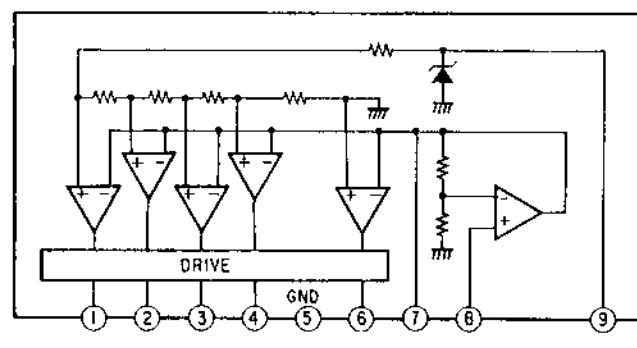




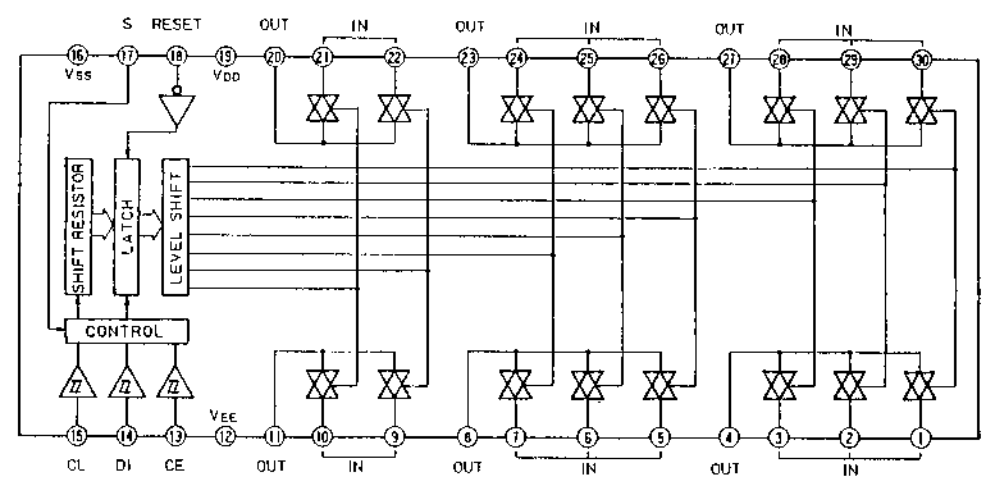
• IC Block Diagrams



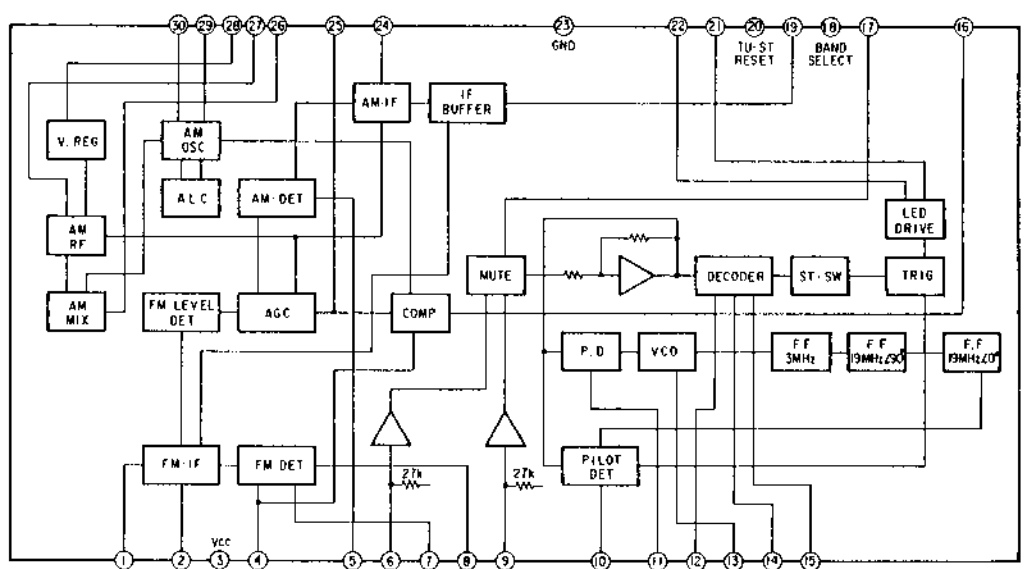
IC303 LB1493



IC502 LC7822



IC21 LA1851N



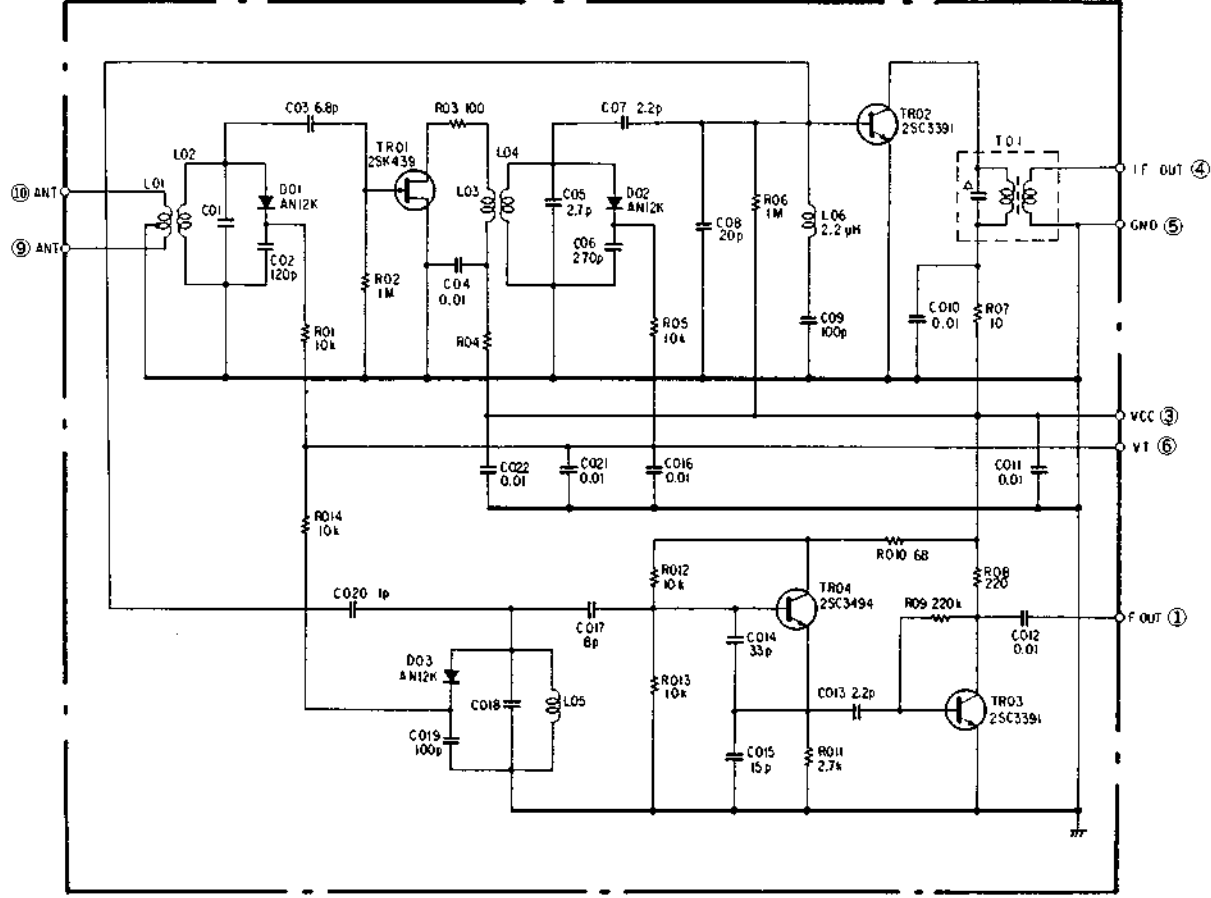
- Note:**
- * A, * B: See Page 5 for Note on Ceramic Filter (CF1, 2 and 3) Replacement.
 - All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - \triangle : internal component.
 - \square : nonflammable resistor.

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

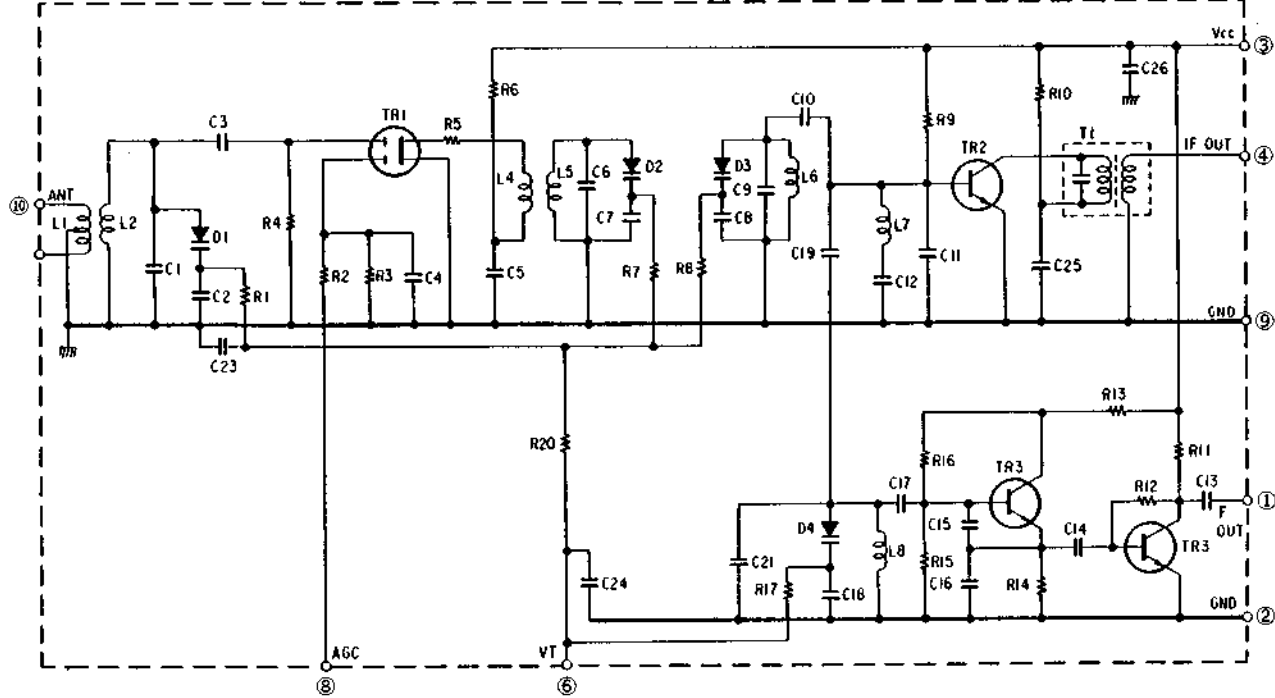
- \square : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark: PHONO
- Voltages are taken with a VOM (Input Impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- \Rightarrow : PHONO
- WG: West Germany

• FRONT END

FE1 (AEP, UK Model)



FE1 (WG Model)



SECTION 4
EXPLODED VIEWS

NOTE:

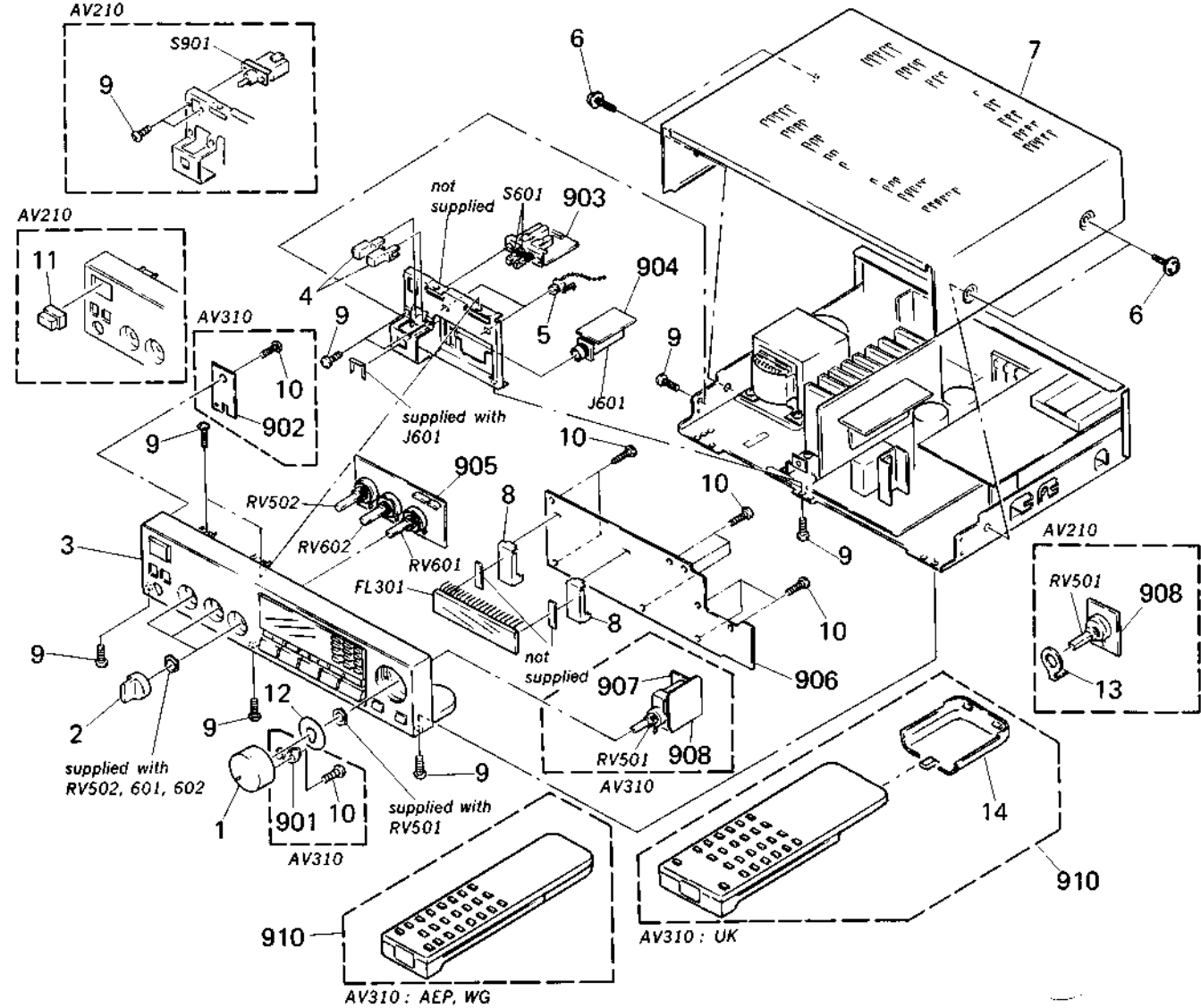
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example: (RED) ... KNOB, BALANCE (WHITE)
 - Cabinet's Color
 - Parts Color

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

• WG: West Germany

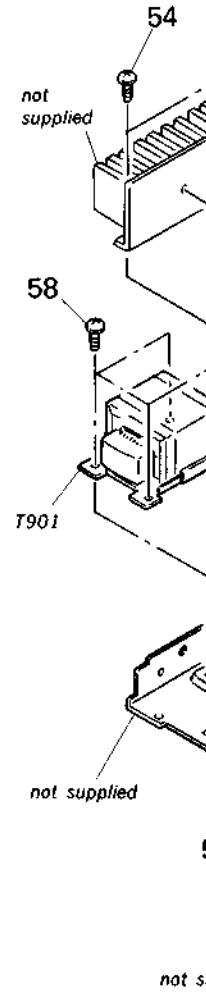
4-1. CABINET, FRONT PANEL SECTION



Ref.No	Part No.	Description	Remark
1	4-925-121-01	(AV310) ... KNOB (V2)	
1	4-925-121-71	(AV210) ... KNOB (V2)	
2	4-916-745-01	KNOB (DIA. 21)	
3	X-4906-824-1	(AV310) ... PANEL ASSY, FRONT	
3	X-4906-826-1	(AV210) ... PANEL ASSY, FRONT	
4	4-906-872-01	KNOB, SQUARE	
5	3-701-748-00	CLAMP	
6	3-704-366-01	SCREW (CASE) (M3X8)	
7	4-925-066-01	CASE	
8	*4-924-989-01	HOLDER (FL TUBE)	
9	7-682-548-04	SCREW +BVTT 3X8 (S)	
10	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
11	4-917-460-01	(AV210) ... KNOB, POWER	
12	*4-931-603-01	SPACER	
13	*4-925-044-01	(AV210) ... BRACKET (VOL GROUND)	
14	4-928-079-01	(UK) ... COVER, BATTERY	
901	*1-630-369-11	(AV310) ... PC BOARD, LED	
902	*1-630-368-11	(AV310) ... PC BOARD, STAND BY	
903	*1-630-373-11	PC BOARD, SP SWITCH	
904	*1-630-372-11	PC BOARD, HP	

Ref.No	Part No.	Description	Remark
905	*1-630-370-11	PC BOARD, TONE	
906	*A-4333-667-A	(AV310) ... MOUNTED PCB, DISPLAY	
906	*A-4333-696-A	(AV210) ... MOUNTED PCB, DISPLAY	
907	*1-630-365-11	(AV310) ... PC BOARD, MOTOR	
908	*1-630-364-11	PC BOARD, VOLUME	
910	1-465-096-11	(AV310: AEP, WG) ... REMOTE, COMMANDER (RM-S70)	
910	1-465-097-11	(UK) ... REMOTE COMMANDER (RM-U90)	
FL301	1-519-509-11	INDICATOR TUBE, FLUORESCENT	
J601	1-507-863-51	JACK, LARGE TYPE (HEADPHONES)	
RV501	1-238-074-11	(AV210) ... RES. VAR. CARBON 100K/100K (VOLUME)	
RV501	1-238-556-11	(AV310) ... RES. VAR. CARBON 250K/250K (VOLUME) (INCLUDING VOL MOTOR)	
RV502	1-238-557-11	RES. VAR. CARBON 250K (BALANCE)	
RV601	1-238-558-11	RES. VAR. CARBON 100K/100K (TONE BASS)	
RV602	1-238-558-11	RES. VAR. CARBON 100K/100K (TONE TREBLE)	
S601	1-571-485-11	SWITCH, PUSH (2 KEY) (SPEAKERS A/B)	
S901	*1-554-685-11	(AV210) ... SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	

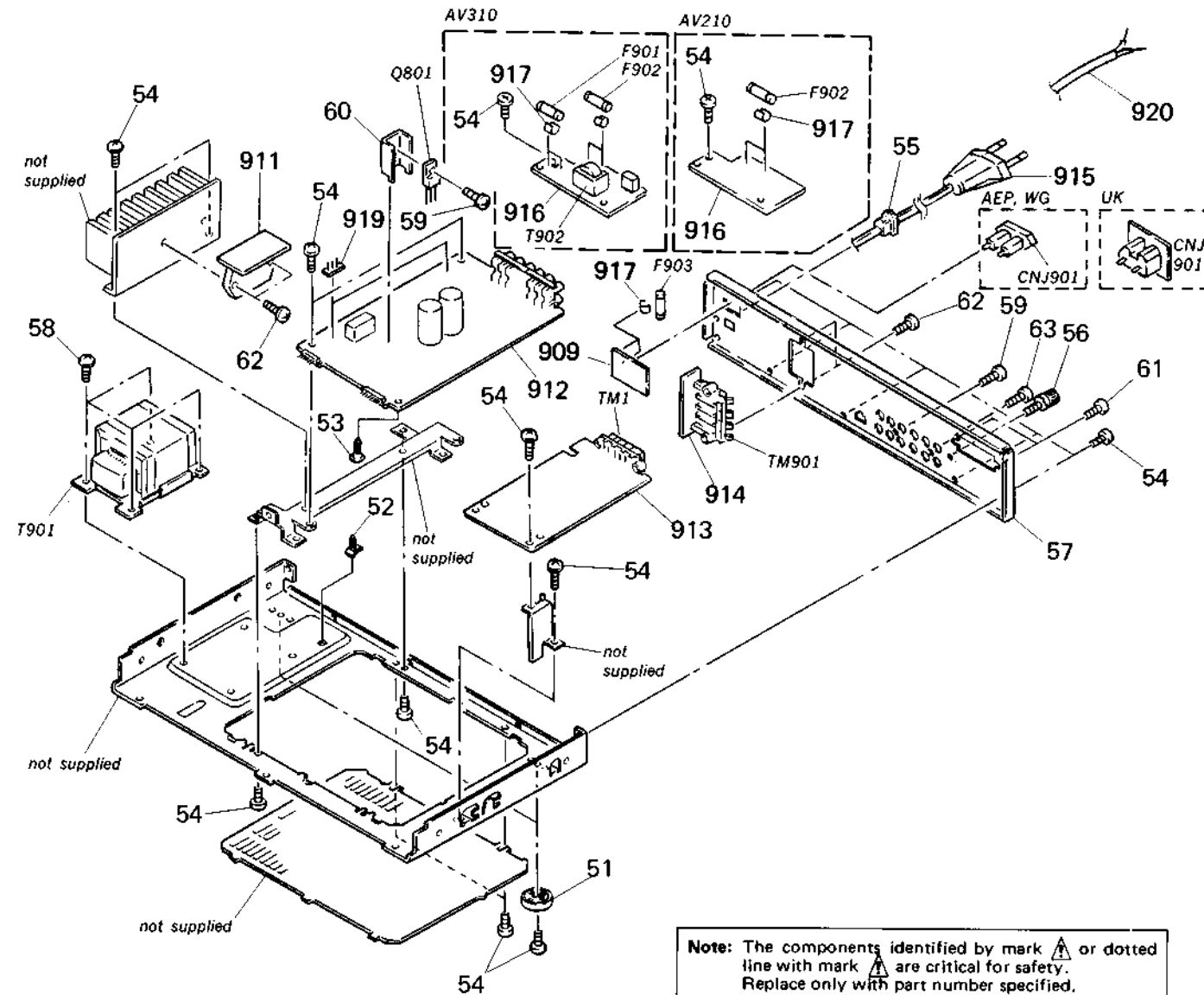
4-2. CHASSIS



Ref.No	Part No.	Description	Remark
51	X-4885-936-1		
52	*3-346-265-11		
53	*3-669-610-00		
54	7-682-548-04		
55	*3-703-244-00		
56	3-706-165-00		
57	*4-925-077-31		
57	*4-925-077-41		
57	*4-925-077-61		
57	*4-925-077-71		
57	*4-925-077-81		
57	*4-925-077-81		
58	7-682-560-04		
59	7-685-647-79		
60	*4-880-403-11		
61	7-685-647-79		
62	7-685-650-79		
63	7-621-849-00		
909	*1-631-364-11		
911	*1-630-371-11		
912	*A-4333-662-A		
912	*A-4333-699-A		

SECTION 5 ELECTRICAL PARTS LIST

4-2. CHASSIS SECTION



Note: 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	X-4885-936-1	FOOT ASSY		912	*A-4333-705-A	(AV310; WG) ... MOUNTED PCB, MAIN	
52	*3-346-265-11	HOLDER, PC BOARD		912	*A-4333-716-A	(AV210; AEP) ... MOUNTED PCB, MAIN	
53	*3-669-610-00	SPACER		913	*A-4303-167-A	(AEP, UK) ... MOUNTED PCB, TUNER (TCB007-2JK)	
54	7-682-548-04	SCREW +BVTT 3X8 (S)		913	*A-4303-168-A	(WG) ... MOUNTED PCB, TUNER (TCB007-2KK)	
55	*3-703-244-00	BUSHING (2104), CORD		914	*1-630-367-11	PC BOARD, SP TERMINAL	
56	3-706-165-00	SCREW		915	Δ 1-555-750-00	(AEP, WG) ... CORD POWER	
57	*4-925-077-31	(AV210; AEP) ... PANEL, BACK		916	*1-631-363-11	PC BOARD, POWER	
57	*4-925-077-41	(AV210; WG) ... PANEL, BACK		917	1-533-183-11	HOLDER, FUSE	
57	*4-925-077-61	(AV310; AEP) ... PANEL, BACK		919	*1-535-116-00	TERMINAL	
57	*4-925-077-71	(AV310; WG) ... PANEL, BACK		920	Δ 1-556-035-00	(UK) ... CORD, POWER	
57	*4-925-077-81	(AV310; UK) ... PANEL, BACK		CNJ901	Δ 1-526-751-00	(AV310; UK) ... OUTLET, AC	
57	*4-925-077-81	(UK) ... PANEL, BACK		CNJ901	Δ 1-526-794-11	(AV310; AEP, WG) ... OUTLET, AC	
58	7-682-560-04	SCREW +BVTT 4X6 (S)		F901	Δ 1-532-973-11	(AV310) ... FUSE (T1.6A)	
59	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S		F902	Δ 1-532-967-11	(AV210) ... FUSE (T1.25A)	
60	*4-880-403-11	HEAT SINK		F902	Δ 1-532-973-11	(AV310) ... FUSE (T1.6A)	
61	7-685-647-79	SCREW +BTP 3X10 TYPE2 N-S		F903	Δ 1-532-973-11	(AV310) ... FUSE (T1.6A)	
62	7-685-650-79	SCREW +BVTP 3X16 TYPE2 N-S		T901	Δ 1-449-706-11	(AV310; AEP, WG) ... TRANSFORMER, POWER	
63	7-621-849-00	SCREW, TAPPING		T901	Δ 1-449-758-11	(UK) ... TRANSFORMER, POWER	
909	*1-631-364-11	(AV310) ... PC BOARD, OUTLET		T901	Δ 1-449-761-11	(AV210) ... TRANSFORMER, POWER	
911	*1-630-371-11	PC BOARD, POW IC		T902	Δ 1-448-523-11	(AV310) ... TRANSFORMER, POWER	
912	*A-4333-662-A	(AV310; AEP, UK) ... MOUNTED PCB, MAIN		TM1	*1-537-138-31	TERMINAL BOARD (ANT) (ANTENNA)	
912	*A-4333-699-A	(AV210; WG) ... MOUNTED PCB, MAIN		TM901	1-536-706-00	TERMINAL BOARD (SP) (SPEAKER)	

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.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: μ F.

RESISTORS
• All resistors are in ohms.
• F: nonflammable

COILS
• MMH: mH, UH: μ H

SEMICONDUCTORS
In each case, U: μ , for example:
UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC, UPD...: μ PD...

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

• WG: West Germany

Ref.No	Part No.	Description	Ref.No	Part No.	Description	Value	Tolerance	Voltage
901	*1-630-369-11	(AV310) ... PC BOARD, LED	C31	1-124-902-00	ELECT	0.47MF	20%	50V
902	*1-630-368-11	(AV310) ... PC BOARD, STAND BY	C32	1-124-463-00	ELECT	0.1MF	20%	50V
903	*1-630-373-11	PC BOARD, SP SWITCH	C33	1-130-481-00	MYLAR	0.0068MF	5%	50V
904	*1-630-372-11	PC BOARD, HP	C34	1-123-382-00	ELECT	3.3MF	20%	50V
905	*1-630-370-11	PC BOARD, TONE	C35	1-130-481-00	MYLAR	0.0068MF	5%	50V
906	*A-4333-667-A	(AV310) ... MOUNTED PCB, DISPLAY	C36	1-123-382-00	ELECT	3.3MF	20%	50V
906	*A-4333-696-A	(AV210) ... MOUNTED PCB, DISPLAY	C37	1-123-875-11	ELECT	10MF	20%	50V
907	*1-630-365-11	(AV310) ... PC BOARD, MOTOR	C39	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
908	*1-630-364-11	PC BOARD, VOLUME	C40	1-124-463-00	ELECT	0.1MF	20%	50V
909	*1-631-364-11	(AV310) ... PC BOARD, OUTLET	C41	1-124-927-11	ELECT	4.7MF	20%	50V
910	1-465-096-11	(AV310; AEP, WG) ... REMOTE, COMMANDER (RM-S70)	C42	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
910	1-465-097-11	(UK) ... REMOTE COMMANDER (RM-U90)	C43	1-126-176-11	ELECT	0.022MF	20%	10V
911	*1-630-371-11	PC BOARD, POW IC	C44	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
912	*A-4333-662-A	(AV310; AEP, UK) ... MOUNTED PCB, MAIN	C45	1-123-382-00	ELECT	3.3MF	20%	50V
912	*A-4333-699-A	(AV210; WG) ... MOUNTED PCB, MAIN	C46	1-161-375-00	CERAMIC CHIP	0.0022MF	20%	25V
912	*A-4333-716-A	(AV210; AEP) ... MOUNTED PCB, MAIN	C47	1-162-294-31	(WG) ... CERAMIC CHIP	0.001MF	20%	25V
912	*A-4333-705-A	(AV310; WG) ... MOUNTED PCB, MAIN	C48	1-123-382-00	ELECT	3.3MF	20%	50V
913	*A-4303-167-A	(AEP, UK) ... MOUNTED PCB, TUNER (TCB007-2JK)	C49	1-161-375-00	CERAMIC CHIP	0.0022MF	20%	25V
913	*A-4303-168-A	(WG) ... MOUNTED PCB, TUNER (TCB007-2KK)	C50	1-162-294-31	(WG) ... CERAMIC CHIP	0.001MF	20%	25V
914	*1-630-367-11	PC BOARD, SP TERMINAL	C51	1-124-477-11	ELECT	47MF	20%	16V
915	Δ 1-555-750-00	(AEP, WG) ... CORD POWER	C61	1-163-063-00	CERAMIC MELF	0.022MF		25V
916	*1-631-363-11	PC BOARD, POWER	C62	1-163-063-00	CERAMIC MELF	0.022MF		25V
917	1-533-183-11	HOLDER, FUSE	C63	1-163-063-00	CERAMIC MELF	0.022MF		25V
919	*1-535-116-00	TERMINAL	C64	1-163-063-00	CERAMIC MELF	0.022MF		25V
920	Δ 1-556-035-00	(UK) ... CORD, POWER	C81	1-102-961-00	CERAMIC	27PF	5%	50V
BAT301	1-528-120-00	BATTERY, LITHIUM (CR-2025)	C82	1-102-961-00	CERAMIC	27PF	5%	50V
BP901	1-535-139-00	BASE POST 19MM (10MM PITCH) 2P	C83	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
			C84	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
			C85	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
			C86	1-124-477-11	ELECT	47MF	20%	16V
			C87	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
			C88	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
			C101	1-124-925-11	ELECT	2.2MF	20%	50V
			C102	1-124-463-00	ELECT	0.1MF	20%	50V
			C103	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
			C104	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
			C105	1-124-477-11	ELECT	47MF	20%	16V
			C301	1-162-211-31	CERAMIC	33PF	5%	50V
			C302	1-162-211-31	CERAMIC	33PF	5%	50V
			C303	1-124-499-11	ELECT	1MF	20%	50V
			C304	1-161-055-00	CERAMIC	0.022MF	10%	25V
			C306	1-161-055-00	CERAMIC	0.022MF	10%	25V
			C307	1-124-499-11	ELECT	1MF	20%	50V
			C308	1-124-499-11	(AEP, WG) ... ELECT	1MF	20%	50V
			C309	1-124-465-00	ELECT	0.47MF	20%	50V
			C311	1-161-055-00	CERAMIC	0.022MF	10%	25V
			C312	1-161-055-00	CERAMIC	0.022MF	10%	25V
			C313	1-161-055-00	CERAMIC	0.022MF	10%	25V
			C314	1-161-055-00	CERAMIC	0.022MF	10%	25V
			C315	1-161-055-00	CERAMIC	0.022MF	10%	25V
			C501	1-102-106-00	CERAMIC	100PF	10%	50V
			C502	1-123-382-00	ELECT	3.3MF	20%	50V

Ref.No	Part No.	Description						
C503	1-102-106-00	(AEP, UK).... CERAMIC	100PF	10%	50V			
C503	1-102-112-00	(WG).... CERAMIC	330PF	10%	50V			
C504	1-124-963-11	ELECT	33MF	20%	16V			
C505	1-130-480-00	MYLAR	0.0056MF	5%	50V			
C506	1-130-473-00	MYLAR	0.0015MF	5%	50V			
C507	1-123-382-00	ELECT	3.3MF	20%	50V			
C508	1-123-382-00	ELECT	3.3MF	20%	50V			
C509	1-123-382-00	ELECT	3.3MF	20%	50V			
C510	1-130-495-00	MYLAR	0.1MF	5%	50V			
C511	1-130-495-00	MYLAR	0.1MF	5%	50V			
C512	1-124-250-00	ELECT	0.15MF	20%	50V			
C513	1-102-112-00	CERAMIC	330PF	10%	50V			
C514	1-123-875-11	ELECT	10MF	20%	50V			
C515	1-162-211-31	CERAMIC	33PF	5%	50V			
C516	1-123-875-11	ELECT	10MF	20%	50V			
C518	1-124-927-11	(AV310).... ELECT	4.7MF	20%	50V			
C519	1-162-294-31	CERAMIC	0.001MF	10%	50V			
C520	1-124-927-11	ELECT	4.7MF	20%	50V			
C521	1-123-875-11	ELECT	10MF	20%	50V			
C522	1-123-875-11	ELECT	10MF	20%	50V			
C523	1-161-055-00	CERAMIC	0.022MF	10%	50V			
C551	1-102-106-00	CERAMIC	100PF	10%	50V			
C552	1-123-382-00	ELECT	3.3MF	20%	50V			
C553	1-102-106-00	(AEP, UK).... CERAMIC	100PF	10%	50V			
C553	1-102-112-00	(WG).... CERAMIC	330PF	10%	50V			
C554	1-124-963-11	ELECT	33MF	20%	16V			
C555	1-130-480-00	MYLAR	0.0056MF	5%	50V			
C556	1-130-473-00	MYLAR	0.0015MF	5%	50V			
C557	1-123-382-00	ELECT	3.3MF	20%	50V			
C558	1-123-382-00	ELECT	3.3MF	20%	50V			
C559	1-123-382-00	ELECT	3.3MF	20%	50V			
C560	1-130-495-00	MYLAR	0.1MF	5%	50V			
C561	1-130-495-00	MYLAR	0.1MF	5%	50V			
C562	1-124-250-00	ELECT	0.15MF	20%	50V			
C563	1-102-112-00	CERAMIC	330PF	10%	50V			
C564	1-123-875-11	ELECT	10MF	20%	50V			
C565	1-162-211-31	CERAMIC	33PF	5%	50V			
C566	1-123-875-11	ELECT	10MF	20%	50V			
C568	1-123-875-11	ELECT	10MF	20%	50V			
C571	1-123-875-11	ELECT	10MF	20%	50V			
C573	1-161-055-00	CERAMIC	0.022MF	10%	50V			
C601	1-124-927-11	ELECT	4.7MF	20%	50V			
C602	1-102-112-00	CERAMIC	330PF	10%	50V			
C603	1-162-286-31	CERAMIC	220PF	10%	50V			
C604	1-124-122-11	ELECT	100MF	20%	50V			
C605	1-126-233-11	ELECT	22MF	20%	25V			
C606	1-126-101-11	ELECT	100MF	20%	16V			
C607	1-130-489-00	MYLAR	0.033MF	5%	50V			
C608	1-124-464-11	ELECT	0.22MF	20%	50V			
C610	1-102-108-00	CERAMIC	150PF	10%	50V			
C611	1-130-477-00	MYLAR	0.0033MF	5%	50V			
C612	1-130-487-00	MYLAR	0.022MF	5%	50V			
C613	1-136-164-00	MYLAR	0.082MF	10%	50V			
C614	1-124-261-00	ELECT	10MF	20%	50V			
C615	1-130-495-00	MYLAR	0.1MF	5%	50V			
C616	1-123-875-11	ELECT	10MF	20%	50V			
C617	1-124-472-11	ELECT	470MF	20%	6.3V			
C618	1-161-055-00	CERAMIC	0.022MF	10%	25V			
C619	1-136-164-00	MYLAR	0.082MF	10%	50V			
C620	1-123-875-11	ELECT	10MF	20%	50V			
C623	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V			
C624	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V			
C625	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V			
C626	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V			
C635	1-136-161-00	(WG).... ELECT	0.047MF	10%	50V			
C636A	1-136-161-00	(WG).... ELECT	0.047MF	10%	50V			
C636B	1-102-106-00	(AV210 : WG).... CERAMIC	100PF	10%	50V			
C637	1-130-487-00	(WG).... MYLAR	0.022MF	5%	50V			
C638	1-102-110-00	(WG).... CERAMIC	220PF	10%	50V			
C651	1-124-927-11	ELECT	4.7MF	20%	50V			
C652	1-102-112-00	CERAMIC	330PF	10%	50V			
C653	1-162-286-31	CERAMIC	220PF	10%	50V			
C654	1-124-122-11	ELECT	100MF	20%	50V			
C655	1-126-233-11	ELECT	22MF	20%	25V			
C656	1-126-101-11	ELECT	100MF	20%	16V			
C657	1-130-489-00	MAYLAR	0.033MF	5%	50V			
C658	1-124-464-11	ELECT	0.22MF	20%	50V			
C660	1-102-108-00	CERAMIC	150PF	10%	50V			
C661	1-130-477-00	MAYLAR	0.0033MF	5%	50V			
C662	1-130-487-00	MAYLAR	0.022MF	5%	50V			
C663	1-136-164-00	MAYLAR	0.082MF	10%	50V			
C664	1-124-261-00	ELECT	10MF	20%	50V			
C665	1-130-495-00	MAYLAR	0.1MF	5%	50V			
C668	1-161-055-00	CERAMIC	0.022MF	10%	25V			
C669	1-136-164-00	MAYLAR	0.082MF	10%	50V			
C673	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V			
C674	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V			
C675	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V			
C676	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V			
C685	1-136-161-00	(WG).... ELECT	0.047MF	10%	50V			
C686	1-136-161-00	(WG).... ELECT	0.047MF	10%	50V			
C801	1-126-307-11	ELECT	6800MF	20%	50V			
C802	1-126-307-11	ELECT	6800MF	20%	50V			
C803	1-126-101-11	ELECT	100MF	20%	16V			
C804	1-124-910-11	ELECT	47MF	20%	50V			
C805	1-124-963-11	ELECT	33MF	20%	16V			
C806	1-123-875-11	ELECT	10MF	20%	50V			
C807	1-123-875-11	ELECT	10MF	20%	50V			
C808	1-124-927-11	ELECT	4.7MF	20%	50V			
C810	1-124-499-11	ELECT	1MF	20%	50V			
C811	1-124-477-11	ELECT	47MF	20%	16V			
C812	1-123-875-11	ELECT	10MF	20%	50V			
C813	1-124-464-11	ELECT	0.22MF	20%	50V			
C816	1-130-777-51	FILM	0.1MF	5%	100V			
C817	1-130-777-51	FILM	0.1MF	5%	100V			
C818	1-161-055-00	CERAMIC	0.022MF	10%	50V			
C819	1-161-055-00	CERAMIC	0.022MF	10%	50V			
C851	1-123-875-11	ELECT	10MF	20%	50V			
C852	1-124-464-11	(AV310).... ELECT	0.22MF	20%	50V			
C853	1-124-464-11	(AV310).... ELECT	0.22MF	20%	50V			
C901	△ 1-161-744-00	CERAMIC	0.01MF		400V			
C912	1-124-557-11	(AV310).... ELECT	1000MF	20%	25V			
CC2	1-249-366-11	CARBON MELF	0	5%	1/5W			
CC3	1-249-366-11	CARBON MELF	0	5%	1/5W			
CC5	1-249-366-11	CARBON MELF	0	5%	1/5W			
CF1	1-567-389-11	FILTER, CERAMIC						
CF2	1-567-389-11	FILTER, CERAMIC						
CF3	1-567-389-11	(WG).... FILTER, CERAMIC						
CF21	1-577-075-11	OSCILLATOR, CERAMIC (19KHz)						
CFT21	1-404-853-11	TRANSFORMER, IF (CERAMIC FILTER)						
CNJ1	*1-568-276-11	SOCKET, CONNECTOR 10P						
CNJ2	1-568-269-11	SOCKET, CONNECTOR 3P						
CNJ4	1-568-307-11	SOCKET, CONNECTOR 3P						
CNJ501	*1-562-327-00	SOCKET, CONNECTOR 3P						
CNJ502	*1-564-777-11	PLUG, CONNECTOR (2.5MM) 2P						
CNJ503	1-568-285-11	SOCKET, CONNECTOR 10P						
CNJ504	1-568-278-11	SOCKET, CONNECTOR 3P						

Note: 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
Q552	8-729-900-36	(AV310)... TRANSISTOR DTC124ES
Q553	8-729-107-98	TRANSISTOR 2SC3622A-L
Q601	8-729-108-14	TRANSISTOR 2SA988-F
Q602	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q603	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q604	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q605	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q651	8-729-108-14	TRANSISTOR 2SA988-F
Q801	8-729-107-25	TRANSISTOR 2SD1585-L
Q802	8-729-140-99	TRANSISTOR 2SB734-34
Q803	8-729-180-92	TRANSISTOR 2SD809
Q804	8-729-115-22	TRANSISTOR BN1A3Q
Q805	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q806	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q807	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q808	8-729-119-78	(AV310)... TRANSISTOR 2SC2785-HFE
Q911	8-729-119-78	(AV310)... TRANSISTOR 2SC2785-HFE

RESISTOR

R1	△ 1-249-401-11	(AEP, UK)... CARBON (SMALL) 47	5%	1/4W	F
R1	△ 1-249-397-11	(WG)... CARBON (SMALL) 22	5%	1/4W	F
R3	1-249-329-11	CARBON MELF 330	5%	1/8W	
R4	1-249-329-11	CARBON MELF 330	5%	1/8W	
R5	1-249-329-11	CARBON MELF 330	5%	1/8W	
R6	1-249-350-11	CARBON MELF 18K	5%	1/8W	
R7	1-249-329-11	CARBON MELF 330	5%	1/8W	
R8	1-249-332-11	CARBON MELF 560	5%	1/8W	
R9	1-249-352-11	CARBON MELF 27K	5%	1/8W	
R10	1-249-329-11	(WG)... CARBON MELF 330	5%	1/8W	
R11	1-249-350-11	(WG)... CARBON MELF 18K	5%	1/8W	
R12	1-249-329-11	(WG)... CARBON MELF 330	5%	1/8W	
R13	1-249-334-11	(WG)... CARBON MELF 820	5%	1/8W	
R14	1-249-352-11	(WG)... CARBON MELF 27K	5%	1/8W	
R15	1-249-347-11	(WG)... CARBON MELF 10K	5%	1/8W	
R16	1-249-343-11	(WG)... CARBON MELF 4.7K	5%	1/8W	
R21	△ 1-249-404-00	CARBON (SMALL) 82	5%	1/4W	F
R22	1-249-433-11	CARBON (SMALL) 22K	5%	1/4W	
R23	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R24	1-249-353-11	CARBON MELF 33K	5%	1/8W	
R25	1-249-346-11	CARBON 8.2K	5%	1/8W	
R26	1-249-340-11	(WG)... CARBON MELF 2.7K	5%	1/8W	
R27	1-249-432-11	CARBON (SMALL) 18K	5%	1/4W	
R28	1-249-423-11	CARBON (SMALL) 3.3K	5%	1/4W	
R29	1-249-347-11	CARBON MELF 10K	5%	1/8W	
R31	1-249-331-11	CARBON MELF 470	5%	1/8W	
R32	1-249-347-11	CARBON MELF 10K	5%	1/8W	
R33	1-249-347-11	CARBON MELF 10K	5%	1/8W	
R35	1-249-355-11	CARBON MELF 47K	5%	1/8W	
R36	1-249-429-11	CARBON (SMALL) 10K	5%	1/4W	
R37	1-249-359-11	CARBON MELF 100K	5%	1/8W	
R38	1-249-363-11	CARBON MELF 220K	5%	1/8W	
R39	1-249-339-11	CARBON MELF 2.2K	5%	1/8W	
R40	1-249-338-11	CARBON MELF 1.8K	5%	1/8W	
R41	1-249-344-11	CARBON MELF 5.6K	5%	1/8W	
R42	1-249-359-11	CARBON MELF 100K	5%	1/8W	
R43	1-249-363-11	CARBON MELF 220K	5%	1/8W	
R44	1-249-339-11	CARBON MELF 2.2K	5%	1/8W	

Ref.No	Part No.	Description			
R45	1-249-338-11	CARBON MELF 1.8K	5%	1/8W	
R46	1-249-344-11	CARBON MELF 5.6K	5%	1/8W	
R47	△ 1-249-409-11	CARBON (SMALL) 220	5%	1/4W	F
R61	1-249-359-11	CARBON MELF 100K	5%	1/8W	
R62	1-249-355-11	CARBON MELF 47K	5%	1/8W	
R63	1-249-315-11	CARBON MELF 22	5%	1/8W	
R81	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R82	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R83	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R84	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R85	1-249-347-11	CARBON MELF 10K	5%	1/8W	
R86	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R87	1-249-347-11	CARBON MELF 10K	5%	1/8W	
R88	1-249-343-11	CARBON MELF 4.7K	5%	1/8W	
R89	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R90	1-249-347-11	CARBON MELF 10K	5%	1/8W	
R91	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R92	△ 1-249-401-11	CARBON (SMALL) 47	5%	1/4W	F
R101	1-249-341-11	CARBON MELF 3.3K	5%	1/8W	
R102	1-249-332-11	CARBON MELF 560	5%	1/8W	
R103	1-249-335-11	CARBON MELF 1K	5%	1/8W	
R104	1-249-328-11	CARBON MELF 270	5%	1/8W	
R105	1-249-343-11	CARBON MELF 4.7K	5%	1/8W	
R106	1-249-339-11	CARBON MELF 2.2K	5%	1/8W	
R107	1-249-343-11	CARBON MELF 4.7K	5%	1/8W	
R108	1-249-323-11	CARBON MELF 100	5%	1/8W	
R109	1-249-343-11	CARBON MELF 4.7K	5%	1/8W	
R110	△ 1-249-405-11	CARBON (SMALL) 100	5%	1/4W	F
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	
R309	1-249-431-11	CARBON 15K	5%	1/4W	
R310	1-249-441-11	CARBON 100K	5%	1/4W	
R311	1-249-437-11	CARBON 47K	5%	1/4W	
R324	1-249-425-11	CARBON 4.7K	5%	1/4W	
R326	1-249-441-11	CARBON 100K	5%	1/4W	
R327	1-249-410-11	CARBON 270	5%	1/4W	
R328	1-249-410-11	(AV310)... CARBON 270	5%	1/4W	
R329	1-249-410-11	(AV310)... CARBON 270	5%	1/4W	
R332	1-249-429-11	CARBON 10K	5%	1/4W	
R333	1-249-437-11	(AEP, WG)... CARBON 47K	5%	1/4W	
R334	1-249-437-11	(AEP, WG)... CARBON 47K	5%	1/4W	
R335	1-249-437-11	(AEP, WG)... CARBON 47K	5%	1/4W	
R336	1-249-437-11	(AEP, WG)... CARBON 47K	5%	1/4W	
R337	1-249-437-11	(AEP, WG)... CARBON 47K	5%	1/4W	
R338	1-249-431-11	(AEP, WG)... CARBON 15K	5%	1/4W	
R451	1-249-429-11	(AV310)... CARBON 10K	5%	1/4W	
R452	1-249-393-11	(AV310)... CARBON 10	5%	1/4W	
R453	1-249-417-11	(AV310)... CARBON 1K	5%	1/4W	
R454	1-249-417-11	(AV310)... CARBON 1K	5%	1/4W	

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

Ref.No	Part No.	Description					
R654	1-249-421-11	(AV210).... CARBON	2.2K	5%	1/4W		
R655	1-247-758-11	(AV310).... CARBON	3.3K	5%	1/2W		
R655	1-247-756-11	(AV210).... CARBON	2.2K	5%	1/2W		
R656	1-249-417-11	CARBON	1K	5%	1/4W		
R657	1-217-151-00	METAL PLATE	0.22		2W		
R658	1-249-438-11	CARBON	56K	5%	1/4W		
R659	1-249-417-11	CARBON	1K	5%	1/4W		
R660	1-249-427-11	CARBON	6.8K	5%	1/4W		
R661	1-249-435-11	CARBON	33K	5%	1/4W		
R664	1-249-437-11	CARBON	47K	5%	1/4W		
R672	1-249-421-11	CARBON	2.2K	5%	1/4W		
R673	1-249-432-11	CARBON	18K	5%	1/4W		
R674	1-249-431-11	CARBON	15K	5%	1/4W		
R675	1-247-889-00	CARBON	270K	5%	1/4W		
R676	1-249-416-11	CARBON	820	5%	1/4W		
R677	1-249-427-11	CARBON	6.8K	5%	1/4W		
R678	1-247-727-11	CARBON	10	5%	1/2W		
R679	1-249-482-11	CARBON	4.7	5%	1/2W		
R680	△ 1-216-454-11	(AV310).... METAL OXIDE	390	5%	2W	F	
R680	△ 1-215-889-00	(AV210).... METAL OXIDE	330	5%	2W	F	
R684	1-249-393-11	(WG).... CARBON	10	5%	1/4W		
R685	1-249-393-11	(WG).... CARBON	10	5%	1/4W		
R801	△ 1-249-455-11	CARBON	4.7	5%	1/4W	F	
R802	△ 1-216-448-11	METAL OXIDE	39	5%	2W	F	
R803	1-249-426-11	CARBON	5.6K	5%	1/4W		
R804	△ 1-247-739-11	(AV310).... CARBON	100	5%	1/2W	F	
R804	△ 1-249-455-11	(AV210).... CARBON	4.7	5%	1/4W	F	
R805	△ 1-247-700-11	CARBON	100	5%	1/4W	F	
R806	1-249-423-11	CARBON	3.3K	5%	1/4W		
R807	1-247-749-11	CARBON	560	5%	1/2W		
R808	△ 1-249-455-11	CARBON	4.7	5%	1/4W	F	
R809	1-249-429-11	(AV310).... CARBON	10K	5%	1/4W		
R810	1-249-417-11	(AV310).... CARBON	1K	5%	1/4W		
R811	1-249-423-11	CARBON	3.3K	5%	1/4W		
R812	1-249-433-11	(AV310).... CARBON	22K	5%	1/4W		
R812	1-249-429-11	(AV210).... CARBON	10K	5%	1/4W		
R813	1-249-429-11	CARBON	10K	5%	1/4W		
R814	1-249-426-11	CARBON	5.6K	5%	1/4W		
R815	1-249-429-11	CARBON	10K	5%	1/4W		
R816	1-249-426-11	CARBON	5.6K	5%	1/4W		
R817	1-249-417-11	CARBON	1K	5%	1/4W		
R818	1-249-430-11	(AV210).... CARBON	12K	5%	1/4W		
R851	1-249-393-11	(AV310).... CARBON	10	5%	1/4W		
R852	1-249-437-11	CARBON	47K	5%	1/4W		
R853	1-249-437-11	CARBON	47K	5%	1/4W		
R911	1-249-425-11	(AV310).... CARBON	4.7K	5%	1/4W		
R912	1-249-437-11	(AV310).... CARBON	47K	5%	1/4W		
R913	1-249-396-11	(AV310).... CARBON	18	5%	1/4W		
RB301	1-233-081-11	COMPOSITION CIRCUIT BLOCK					
RB302	1-232-955-11	COMPOSITION CIRCUIT BLOCK					
RB303	1-232-998-11	COMPOSITION CIRCUIT BLOCK					
RV21	1-238-013-11	(AEP, UK)....RES, ADJ, CARBON 2.2K					
RV21	1-238-015-11	(WG)....RES, ADJ, CARBON 4.7K					
RV23	1-238-021-11	RES, ADJ, CARBON 220K					
RV24	1-238-017-11	(AEP, UK)....RES, ADJ, CARBON 22K					
RV24	1-238-019-11	(WG)....RES, ADJ, CARBON 47K					
RV501	1-238-556-11	(AV310)....RES, VAR, CARBON 250K/250K (VOLUME) (INCLUDING VOL MOTOR)					
RV501	1-238-074-11	(AV210)....RES, VAR, CARBON 100K/100K (VOLUME)					
RV502	1-238-557-11	RES, VAR, CARBON 250K (BALANCE)					
RV601	1-238-558-11	RES, VAR, CARBON 100K/100K (TONE BASS)					
RV602	1-238-558-11	RES, VAR, CARBON 100K/100K (TONE TREBLE)					
RY601	1-515-533-11	RELAY					
RY901	1-515-720-11	(AV310)....RELAY					
S301	1-554-303-21	SWITCH, KEY BOARD (TUNING DIRECT)					
S302	1-554-303-21	SWITCH, KEY BOARD (PRESET -)					
S303	1-554-303-21	SWITCH, KEY BOARD (TUNING -)					
S304	1-554-303-21	SWITCH, KEY BOARD (BAND FM)					
S305	1-554-303-21	SWITCH, KEY BOARD (FM MODE)					
S306	1-554-303-21	SWITCH, KEY BOARD (PRESET +)					
S307	1-554-303-21	SWITCH, KEY BOARD (TUNING +)					
S308	1-554-303-21	SWITCH, KEY BOARD (BAND FM)					
S310	1-554-303-21	SWITCH, KEY BOARD (TAPE)					
S311	1-554-303-21	SWITCH, KEY BOARD (VIDEO)					
S312	1-554-303-21	SWITCH, KEY BOARD (PHONE)					
S313	1-554-303-21	SWITCH, KEY BOARD (TUNER)					
S314	1-554-303-21	SWITCH, KEY BOARD (CD)					
S315	1-554-303-21	SWITCH, KEY BOARD (7)					
S316	1-554-303-21	SWITCH, KEY BOARD (8)					
S317	1-554-303-21	SWITCH, KEY BOARD (9)					
S318	1-554-303-21	SWITCH, KEY BOARD (MEMORY)					
S319	1-554-303-21	SWITCH, KEY BOARD (4)					
S320	1-554-303-21	SWITCH, KEY BOARD (5)					
S321	1-554-303-21	SWITCH, KEY BOARD (6)					
S322	1-554-303-21	SWITCH, KEY BOARD (0)					
S323	1-554-303-21	SWITCH, KEY BOARD (1)					
S324	1-554-303-21	SWITCH, KEY BOARD (2)					
S325	1-554-303-21	SWITCH, KEY BOARD (3)					
S326	1-554-303-21	SWITCH, KEY BOARD (SHIFT)					
S327	1-554-303-21	SWITCH, KEY BOARD (DBFB)					
S328	1-554-303-21	(AV310)....SWITCH, KEY BOARD (MUTING -20dB)					
S330	1-554-303-21	(AV310)....SWITCH, KEY BOARD (SYSTEM POWER)					
S601	1-571-485-11	SWITCH, PUSH (2 KEY) (SPEAKERS A/B)					
S901	△ 1-554-685-11	(AV210)....SWITCH, PUSH (AC POWER) (1 KEY) (POWER)					
T21	1-404-807-11	TRANSFORMER, DISCRIMINATOR					
T23	1-236-465-11	(WG)....ENCAPSULATED COMPONENT					
T901	△ 1-449-706-11	(AV310 : AEP, WG)....TRANSFORMER, POWER					
T901	△ 1-449-758-11	(UK)....TRANSFORMER, POWER					
T901	△ 1-449-761-11	(AV210)....TRANSFORMER, POWER					
T902	△ 1-448-523-11	(AV310)....TRANSFORMER, POWER					
TM1	*1-537-138-31	TERMINAL BOARD (ANT) (ANTENNA)					
TM901	1-536-706-00	TERMINAL BOARD (SP) (SPEAKER)					
TP1	*1-560-060-00	PIN, CONNECTOR 2P					
VZ901	△ 1-807-180-11	(AV310)....VARISTOR SNR-14A300K					
X301	1-567-170-00	OSCILLATOR, CERAMIC (4.194MHz)					
XT81	1-577-126-11	VIBRATOR, CRYSTAL (7.2MHz)					

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



Ref.No	Part No.	Description			
C503	1-102-106-00	(AEP, UK).... CERAMIC	100PF	10%	50V
C503	1-102-112-00	(WG).... CERAMIC	330PF	10%	50V
C504	1-124-963-11	ELECT	33MF	20%	16V
C505	1-130-480-00	MYLAR	0.0056MF	5%	50V
C506	1-130-473-00	MYLAR	0.0015MF	5%	50V
C507	1-123-382-00	ELECT	3.3MF	20%	50V
C508	1-123-382-00	ELECT	3.3MF	20%	50V
C509	1-123-382-00	ELECT	3.3MF	20%	50V
C510	1-130-495-00	MYLAR	0.1MF	5%	50V
C511	1-130-495-00	MYLAR	0.1MF	5%	50V
C512	1-124-250-00	ELECT	0.15MF	20%	50V
C513	1-102-112-00	CERAMIC	330PF	10%	50V
C514	1-123-875-11	ELECT	10MF	20%	50V
C515	1-162-211-31	CERAMIC	33PF	5%	50V
C516	1-123-875-11	ELECT	10MF	20%	50V
C518	1-124-927-11	(AV310).... ELECT	4.7MF	20%	50V
C519	1-162-294-31	CERAMIC	0.001MF	10%	50V
C520	1-124-927-11	ELECT	4.7MF	20%	50V
C521	1-123-875-11	ELECT	10MF	20%	50V
C522	1-123-875-11	ELECT	10MF	20%	50V
C523	1-161-055-00	CERAMIC	0.022MF	10%	50V
C551	1-102-106-00	CERAMIC	100PF	10%	50V
C552	1-123-382-00	ELECT	3.3MF	20%	50V
C553	1-102-106-00	(AEP, UK).... CERAMIC	100PF	10%	50V
C553	1-102-112-00	(WG).... CERAMIC	330PF	10%	50V
C554	1-124-963-11	ELECT	33MF	20%	16V
C555	1-130-480-00	MYLAR	0.0056MF	5%	50V
C556	1-130-473-00	MYLAR	0.0015MF	5%	50V
C557	1-123-382-00	ELECT	3.3MF	20%	50V
C558	1-123-382-00	ELECT	3.3MF	20%	50V
C559	1-123-382-00	ELECT	3.3MF	20%	50V
C560	1-130-495-00	MYLAR	0.1MF	5%	50V
C561	1-130-495-00	MYLAR	0.1MF	5%	50V
C562	1-124-250-00	ELECT	0.15MF	20%	50V
C563	1-102-112-00	CERAMIC	330PF	10%	50V
C564	1-123-875-11	ELECT	10MF	20%	50V
C565	1-162-211-31	CERAMIC	33PF	5%	50V
C566	1-123-875-11	ELECT	10MF	20%	50V
C568	1-123-875-11	ELECT	10MF	20%	50V
C571	1-123-875-11	ELECT	10MF	20%	50V
C573	1-161-055-00	CERAMIC	0.022MF	10%	50V
C601	1-124-927-11	ELECT	4.7MF	20%	50V
C602	1-102-112-00	CERAMIC	330PF	10%	50V
C603	1-162-286-31	CERAMIC	220PF	10%	50V
C604	1-124-122-11	ELECT	100MF	20%	50V
C605	1-126-233-11	ELECT	22MF	20%	25V
C606	1-126-101-11	ELECT	100MF	20%	16V
C607	1-130-489-00	MYLAR	0.033MF	5%	50V
C608	1-124-464-11	ELECT	0.22MF	20%	50V
C610	1-102-108-00	CERAMIC	150PF	10%	50V
C611	1-130-477-00	MYLAR	0.0033MF	5%	50V
C612	1-130-487-00	MYLAR	0.022MF	5%	50V
C613	1-136-164-00	MYLAR	0.082MF	10%	50V
C614	1-124-261-00	ELECT	10MF	20%	50V
C615	1-130-495-00	MYLAR	0.1MF	5%	50V
C616	1-123-875-11	ELECT	10MF	20%	50V
C617	1-124-472-11	ELECT	470MF	20%	6.3V
C618	1-161-055-00	CERAMIC	0.022MF	10%	25V
C619	1-136-164-00	MYLAR	0.082MF	10%	50V
C620	1-123-875-11	ELECT	10MF	20%	50V
C623	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V
C624	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V
C625	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V
C626	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V

Ref.No	Part No.	Description			
C635	1-136-161-00	(WG).... ELECT	0.047MF	10%	50V
C636A	1-136-161-00	(WG).... ELECT	0.047MF	10%	50V
C636B	1-102-106-00	(AV210 : WG).... CERAMIC	100PF	10%	50V
C637	1-130-487-00	(WG).... MYLAR	0.022MF	5%	50V
C638	1-102-110-00	(WG).... CERAMIC	220PF	10%	50V
C651	1-124-927-11	ELECT	4.7MF	20%	50V
C652	1-102-112-00	CERAMIC	330PF	10%	50V
C653	1-162-286-31	CERAMIC	220PF	10%	50V
C654	1-124-122-11	ELECT	100MF	20%	50V
C655	1-126-233-11	ELECT	22MF	20%	25V
C656	1-126-101-11	ELECT	100MF	20%	16V
C657	1-130-489-00	MAYLAR	0.033MF	5%	50V
C658	1-124-464-11	ELECT	0.22MF	20%	50V
C660	1-102-108-00	CERAMIC	150PF	10%	50V
C661	1-130-477-00	MAYLAR	0.0033MF	5%	50V
C662	1-130-487-00	MAYLAR	0.022MF	5%	50V
C663	1-136-164-00	MAYLAR	0.082MF	10%	50V
C664	1-124-261-00	ELECT	10MF	20%	50V
C665	1-130-495-00	MAYLAR	0.1MF	5%	50V
C668	1-161-055-00	CERAMIC	0.022MF	10%	25V
C669	1-136-164-00	MAYLAR	0.082MF	10%	50V
C673	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V
C674	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V
C675	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V
C676	1-161-051-00	(WG).... CERAMIC	0.01MF	10%	50V
C685	1-136-161-00	(WG).... ELECT	0.047MF	10%	50V
C686	1-136-161-00	(WG).... ELECT	0.047MF	10%	50V
C801	1-126-307-11	ELECT	6800MF	20%	50V
C802	1-126-307-11	ELECT	6800MF	20%	50V
C803	1-126-101-11	ELECT	100MF	20%	16V
C804	1-124-910-11	ELECT	47MF	20%	50V
C805	1-124-963-11	ELECT	33MF	20%	16V
C806	1-123-875-11	ELECT	10MF	20%	50V
C807	1-123-875-11	ELECT	10MF	20%	50V
C808	1-124-927-11	ELECT	4.7MF	20%	50V
C810	1-124-499-11	ELECT	1MF	20%	50V
C811	1-124-477-11	ELECT	47MF	20%	16V
C812	1-123-875-11	ELECT	10MF	20%	50V
C813	1-124-464-11	ELECT	0.22MF	20%	50V
C816	1-130-777-51	FILM	0.1MF	5%	100V
C817	1-130-777-51	FILM	0.1MF	5%	100V
C818	1-161-055-00	CERAMIC	0.022MF	10%	50V
C819	1-161-055-00	CERAMIC	0.022MF	10%	50V
C851	1-123-875-11	ELECT	10MF	20%	50V
C852	1-124-464-11	(AV310).... ELECT	0.22MF	20%	50V
C853	1-124-464-11	(AV310).... ELECT	0.22MF	20%	50V
C901	▲ 1-161-744-00	CERAMIC	0.01MF		400V
C912	1-124-557-11	(AV310).... ELECT	1000MF	20%	25V
CC2	1-249-366-11	CARBON MELF	0	5%	1/5W
CC3	1-249-366-11	CARBON MELF	0	5%	1/5W
CC5	1-249-366-11	CARBON MELF	0	5%	1/5W
CF1	1-567-389-11	FILTER, CERAMIC			
CF2	1-567-389-11	FILTER, CERAMIC			
CF3	1-567-389-11	(WG).... FILTER, CERAMIC			
CF21	1-577-075-11	OSCILLATOR, CERAMIC (19KHz)			
CFT21	1-404-853-11	TRANSFORMER, IF (CERAMIC FILTER)			
CNJ1	*1-568-276-11	SOCKET, CONNECTOR 10P			
CNJ2	1-568-269-11	SOCKET, CONNECTOR 3P			
CNJ4	1-568-307-11	SOCKET, CONNECTOR 3P			
CNJ501	*1-562-327-00	SOCKET, CONNECTOR 3P			
CNJ502	*1-564-777-11	PLUG, CONNECTOR (2.5MM) 2P			
CNJ503	1-568-285-11	SOCKET, CONNECTOR 10P			
CNJ504	1-568-278-11	SOCKET, CONNECTOR 3P			

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

STR-AV210/AV310

Ref.No	Part No.	Description	Ref.No	Part No.	Description
CNJ505	*1-562-327-00	SOCKET, CONNECTOR 3P	D810	8-719-010-47	DIODE UZ-6.2BSC
CNJ506	*1-562-327-00	SOCKET, CONNECTOR 3P	D811	8-719-933-41	DIODE HZ56C3L
CNJ601	*1-506-708-11	PLUG, CONNECTOR (2.5MM) 5P	D812	8-719-914-11	DIODE HZ4ALL
CNJ602	*1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P	D813	8-719-000-06	(AV210) ... DIODE MC921
CNJ603	*1-562-564-11	SOCKET, CONNECTOR 8P	D903	8-719-511-40	(AV310) ... DIODE S1VB40
CNJ604	*1-562-564-11	SOCKET, CONNECTOR 8P	D912	8-719-000-06	(AV310) ... DIODE MC921
CNJ605	*1-562-249-00	SOCKET, CONNECTOR 4P	D913	8-719-000-26	(AV310) ... DIODE US1060M
CNJ606	*1-562-250-00	SOCKET, CONNECTOR 5P	F901	△ 1-532-973-11	(AV310) ... FUSE (T1.6A)
CNJ607	*1-562-327-00	SOCKET, CONNECTOR 3P	F902	△ 1-532-967-11	(AV210) ... FUSE (1.25A)
CNJ608	*1-562-327-00	SOCKET, CONNECTOR 3P	F902	△ 1-532-973-11	(AV310) ... FUSE (T1.6A)
CNJ609	*1-562-327-00	SOCKET, CONNECTOR 3P	F903	△ 1-532-973-11	(AV310) ... FUSE (T1.6A)
CNJ610	*1-562-250-00	SOCKET, CONNECTOR 5P	FE1	1-463-857-11	(WG) ... FRONT END, FM
CNJ611	*1-562-250-00	SOCKET, CONNECTOR 5P	FE1	1-463-862-21	(AEP, UK) ... FRONT END, FM
CNJ612	*1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P	FE61	1-236-461-11	ENCAPSULATED COMPONENT (MW BLOCK)
CNJ801	*1-562-327-00	SOCKET, CONNECTOR 3P	FL301	1-519-509-11	INDICATOR TUBE, FLUORESCENT
CNJ901	△ 1-526-751-00	(AV310: UK) ... OUTLET, AC	IC21	8-759-821-45	IC LA1851N
CNJ981	△ 1-526-794-11	(AV310: AEP, WG) ... OUTLET, AC	IC81	8-759-820-91	IC LC7218
CNJ902	*1-562-249-00	SOCKET, CONNECTOR 4P	IC301	8-759-144-64	IC UPD75206G-550-1B
CNP451	*1-564-778-11	(AV310) ... PLUG, CONNECTOR (2.5MM) 4P (CONTROL S OUT)	IC302	8-749-920-59	(AV310) ... IC A1QH3020S
CNP601	1-565-419-11	PIN, CONNECTOR 10P	IC303	8-759-800-95	IC LB1493
CNP602	1-565-419-11	PIN, CONNECTOR 10P	IC501	8-759-112-93	IC UPC4570HA-1
CNP801	1-566-213-11	(AV310) ... PIN, CONNECTOR 4P	IC502	8-759-805-14	IC LC7822
CP801	1-102-394-11	CERAMIC 0.01MF 250VX2	IC503	8-759-820-62	(AV310) ... IC LB1639
CP911	1-102-394-11	(AV310) ... CERAMIC 0.01MF 250VX2	IC504	8-759-112-93	IC UPC4570HA-1
D301	8-719-000-26	DIODE US1060M	IC601	8-749-900-24	(AV210) ... IC STK-4162MK2
D302	8-719-000-26	DIODE US1060M	IC601	8-749-900-34	(AV310) ... IC STK-4182MK2
D303	8-719-000-26	DIODE US1060M	J501	1-565-320-11	JACK, PIN 6P (PHONO IN/CD IN/TAPE REC OUT)
D304	8-719-000-26	DIODE US1060M	J502	1-565-320-11	JACK, PIN 6P (TAPE IN/VIDEO AUDIO OUT/ AUDIO IN)
D305	8-719-000-26	DIODE US1060M	J601	1-507-863-51	JACK, LARGE TYPE (HEADPHONES)
D306	8-719-000-26	DIODE US1060M	L1	1-410-521-11	MICRO INDUCTOR 100UH
D307	8-719-000-26	DIODE US1060M	L2	1-410-521-11	(WG) ... MICRO INDUCTOR 100UH
D308	8-719-000-26	DIODE US1060M	L21	1-410-171-11	MICRO INDUCTOR IMM
D309	8-719-000-26	DIODE US1060M	L301	1-410-521-11	INDUCTOR 100UH
D310	8-719-000-26	DIODE US1060M	L601	*1-420-872-00	COIL, AIR CORE
D311	8-719-000-26	DIODE US1060M	L651	*1-420-872-00	COIL, AIR CORE
D313	8-719-914-11	DIODE HZ4ALL	LPF21	1-235-164-00	FILTER, LOW PASS
D314	8-719-000-26	DIODE US1060M	LPF22	1-235-164-00	FILTER, LOW PASS
D315	8-719-000-26	(AV310) ... DIODE US1060M	Q1	8-729-266-93	TRANSISTOR 2SC2669
D316	8-719-000-26	DIODE US1060M	Q2	8-729-266-93	TRANSISTOR 2SC2669
D317	8-719-301-52	DIODE SEL2810A-C	Q3	8-729-266-93	(WG) ... TRANSISTOR 2SC2669
D318	8-719-301-52	(AV310) ... DIODE SEL2810A-C	Q4	8-729-266-93	(WG) ... TRANSISTOR 2SC2669
D319	8-719-301-38	(AV310) ... DIODE SEL2210S-C	Q21	8-729-119-78	TRANSISTOR 2SC2785-HFE
D320	8-719-000-26	(AEP, WG) ... DIODE US1060M	Q22	8-729-119-78	TRANSISTOR 2SC2785-HFE
D321	8-719-000-26	DIODE US1060M	Q23	8-729-806-10	TRANSISTOR 2SA1348
D322	8-719-000-26	(AEP, WG) ... DIODE US1060M	Q24	8-729-900-80	TRANSISTOR DTC114ES
D324	8-719-000-26	DIODE US1060M	Q81	8-729-806-10	TRANSISTOR 2SA1348
D325	8-719-000-26	DIODE US1060M	Q82	8-729-900-80	TRANSISTOR DTC114ES
D331	8-719-000-26	DIODE US1060M	Q83	8-729-202-67	TRANSISTOR 2SK246-GR3
D332	8-719-000-26	DIODE US1060M	Q84	8-729-201-84	TRANSISTOR 2SC3112-B
D451	8-719-000-26	(AV310) ... DIODE US1060M	Q301	8-729-900-36	TRANSISTOR DTC124ES
D501	8-719-000-26	DIODE US1060M	Q302	8-729-900-36	(AV310) ... TRANSISTOR DTC124ES
D502	8-719-000-26	DIODE US1060M	Q303	8-729-900-36	(AV310) ... TRANSISTOR DTC124ES
D503	8-719-000-26	DIODE US1060M	Q305	8-729-900-36	TRANSISTOR DTC124ES
D504	8-719-000-26	DIODE US1060M	Q451	8-729-119-78	TRANSISTOR 2SC2785-HFE
D601	8-719-000-26	DIODE US1060M	Q452	8-729-900-63	(AV310) ... TRANSISTOR DTA124ES
D602	8-719-000-26	DIODE US1060M	Q501	8-729-119-78	TRANSISTOR 2SC2785-HFE
D603	8-719-000-26	DIODE US1060M	Q502	8-729-900-36	(AV310) ... TRANSISTOR DTC124ES
D651	8-719-000-26	DIODE US1060M	Q503	8-729-107-98	TRANSISTOR 2SC3622A-L
D801	8-719-300-57	DIODE RB402	Q504	8-729-119-76	TRANSISTOR 2SA1175-HFE
D805	8-719-010-29	DIODE UZ-4.3BSB	Q505	8-729-900-36	TRANSISTOR DTC124ES
D806	8-719-010-86	DIODE UZ-16BSB	Q551	8-729-119-78	TRANSISTOR 2SC2785-HFE
D807	8-719-010-99	DIODE UZ-22BSC			
D808	8-719-010-82	DIODE UZ-15BSB			
D809	8-719-303-00	(AV310) ... DIODE SEL2510C			

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Ref.No	Part No.	Description				
Q552	8-729-900-36	(AV310).... TRANSISTOR DTC124ES				
Q553	8-729-107-98	TRANSISTOR 2SC3622A-L				
Q601	8-729-108-14	TRANSISTOR 2SA988-F				
Q602	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q603	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q604	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q605	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q651	8-729-108-14	TRANSISTOR 2SA988-F				
Q801	8-729-107-25	TRANSISTOR 2SD1585-L				
Q802	8-729-140-99	TRANSISTOR 2SB734-34				
Q803	8-729-180-92	TRANSISTOR 2SD809				
Q804	8-729-115-22	TRANSISTOR BN1A3Q				
Q805	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q806	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q807	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q808	8-729-119-78	(AV310).... TRANSISTOR 2SC2785-HFE				
Q911	8-729-119-78	(AV310).... TRANSISTOR 2SC2785-HFE				
RESISTOR						
R1	△ 1-249-401-11	(AEP, UK).... CARBON (SMALL) 47	5%	1/4W	F	
R1	△ 1-249-397-11	(WG).... CARBON (SMALL) 22	5%	1/4W	F	
R3	1-249-329-11	CARBON MELF 330	5%	1/8W		
R4	1-249-329-11	CARBON MELF 330	5%	1/8W		
R5	1-249-329-11	CARBON MELF 330	5%	1/8W		
R6	1-249-350-11	CARBON MELF 18K	5%	1/8W		
R7	1-249-329-11	CARBON MELF 330	5%	1/8W		
R8	1-249-332-11	CARBON MELF 560	5%	1/8W		
R9	1-249-352-11	CARBON MELF 27K	5%	1/8W		
R10	1-249-329-11	(WG).... CARBON MELF 330	5%	1/8W		
R11	1-249-350-11	(WG).... CARBON MELF 18K	5%	1/8W		
R12	1-249-329-11	(WG).... CARBON MELF 330	5%	1/8W		
R13	1-249-334-11	(WG).... CARBON MELF 820	5%	1/8W		
R14	1-249-352-11	(WG).... CARBON MELF 27K	5%	1/8W		
R15	1-249-347-11	(WG).... CARBON MELF 10K	5%	1/8W		
R16	1-249-343-11	(WG).... CARBON MELF 4.7K	5%	1/8W		
R21	△ 1-249-404-00	CARBON (SMALL) 82	5%	1/4W	F	
R22	1-249-433-11	CARBON (SMALL) 22K	5%	1/4W		
R23	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R24	1-249-353-11	CARBON MELF 33K	5%	1/8W		
R25	1-249-346-11	CARBON 8.2K	5%	1/8W		
R26	1-249-340-11	(WG).... CARBON MELF 2.7K	5%	1/8W		
R27	1-249-432-11	CARBON (SMALL) 18K	5%	1/4W		
R28	1-249-423-11	CARBON (SMALL) 3.3K	5%	1/4W		
R29	1-249-347-11	CARBON MELF 10K	5%	1/8W		
R31	1-249-331-11	CARBON MELF 470	5%	1/8W		
R32	1-249-347-11	CARBON MELF 10K	5%	1/8W		
R33	1-249-347-11	CARBON MELF 10K	5%	1/8W		
R35	1-249-355-11	CARBON MELF 47K	5%	1/8W		
R36	1-249-429-11	CARBON (SMALL) 10K	5%	1/4W		
R37	1-249-359-11	CARBON MELF 100K	5%	1/8W		
R38	1-249-363-11	CARBON MELF 220K	5%	1/8W		
R39	1-249-339-11	CARBON MELF 2.2K	5%	1/8W		
R40	1-249-338-11	CARBON MELF 1.8K	5%	1/8W		
R41	1-249-344-11	CARBON MELF 5.6K	5%	1/8W		
R42	1-249-359-11	CARBON MELF 100K	5%	1/8W		
R43	1-249-363-11	CARBON MELF 220K	5%	1/8W		
R44	1-249-339-11	CARBON MELF 2.2K	5%	1/8W		

Ref.No	Part No.	Description				
R45	1-249-338-11	CARBON MELF 1.8K	5%	1/8W		
R46	1-249-344-11	CARBON MELF 5.6K	5%	1/8W		
R47	△ 1-249-409-11	CARBON (SMALL) 220	5%	1/4W	F	
R61	1-249-359-11	CARBON MELF 100K	5%	1/8W		
R62	1-249-355-11	CARBON MELF 47K	5%	1/8W		
R63	1-249-315-11	CARBON MELF 22	5%	1/8W		
R81	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R82	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R83	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R84	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R85	1-249-347-11	CARBON MELF 10K	5%	1/8W		
R86	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R87	1-249-347-11	CARBON MELF 10K	5%	1/8W		
R88	1-249-343-11	CARBON MELF 4.7K	5%	1/8W		
R89	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R90	1-249-347-11	CARBON MELF 10K	5%	1/8W		
R91	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R92	△ 1-249-401-11	CARBON (SMALL) 47	5%	1/4W	F	
R101	1-249-341-11	CARBON MELF 3.3K	5%	1/8W		
R102	1-249-332-11	CARBON MELF 560	5%	1/8W		
R103	1-249-335-11	CARBON MELF 1K	5%	1/8W		
R104	1-249-328-11	CARBON MELF 270	5%	1/8W		
R105	1-249-343-11	CARBON MELF 4.7K	5%	1/8W		
R106	1-249-339-11	CARBON MELF 2.2K	5%	1/8W		
R107	1-249-343-11	CARBON MELF 4.7K	5%	1/8W		
R108	1-249-323-11	CARBON MELF 100	5%	1/8W		
R109	1-249-343-11	CARBON MELF 4.7K	5%	1/8W		
R110	△ 1-249-405-11	CARBON (SMALL) 100	5%	1/4W	F	
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		
R309	1-249-431-11	CARBON 15K	5%	1/4W		
R310	1-249-441-11	CARBON 100K	5%	1/4W		
R311	1-249-437-11	CARBON 47K	5%	1/4W		
R324	1-249-425-11	CARBON 4.7K	5%	1/4W		
R326	1-249-441-11	CARBON 100K	5%	1/4W		
R327	1-249-410-11	CARBON 270	5%	1/4W		
R328	1-249-410-11	(AV310).... CARBON 270	5%	1/4W		
R329	1-249-410-11	(AV310).... CARBON 270	5%	1/4W		
R332	1-249-429-11	CARBON 10K	5%	1/4W		
R333	1-249-437-11	(AEP, WG).... CARBON 47K	5%	1/4W		
R334	1-249-437-11	(AEP, WG).... CARBON 47K	5%	1/4W		
R335	1-249-437-11	(AEP, WG).... CARBON 47K	5%	1/4W		
R336	1-249-437-11	(AEP, WG).... CARBON 47K	5%	1/4W		
R337	1-249-437-11	(AEP, WG).... CARBON 47K	5%	1/4W		
R338	1-249-431-11	(AEP, WG).... CARBON 15K	5%	1/4W		
R451	1-249-429-11	(AV310).... CARBON 10K	5%	1/4W		
R452	1-249-393-11	(AV310).... CARBON 10	5%	1/4W		
R453	1-249-417-11	(AV310).... CARBON 1K	5%	1/4W		
R454	1-249-417-11	(AV310).... CARBON 1K	5%	1/4W		

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

STR-AV210/AV310

Ref.No	Part No.	Description							
R455	1-249-437-11	CARBON	47K	5%	1/4W				
R456	1-249-437-11	CARBON	47K	5%	1/4W				
R457	1-249-437-11	CARBON	47K	5%	1/4W				
R458	1-249-437-11	CARBON	47K	5%	1/4W				
R459	1-249-413-11	CARBON	470	5%	1/4W				
R460	1-249-437-11	CARBON	47K	5%	1/4W				
R461	1-247-698-11	CARBON	47	5%	1/4W				
R501	1-249-425-11	CARBON	4.7K	5%	1/4W				
R502	1-247-897-11	CARBON	560K	5%	1/4W				
R503	1-249-417-11	CARBON	1K	5%	1/4W				
R504	1-249-425-11	CARBON	4.7K	5%	1/4W				
R505	1-247-897-11	CARBON	560K	5%	1/4W				
R506	1-249-417-11	CARBON	1K	5%	1/4W				
R507	1-249-417-11	CARBON	1K	5%	1/4W				
R508	1-249-411-11	CARBON	330	5%	1/4W				
R509	1-249-437-11	CARBON	47K	5%	1/4W				
R510	1-247-897-11	CARBON	560K	5%	1/4W				
R511	1-249-417-11	CARBON	1K	5%	1/4W				
R512	1-247-897-11	CARBON	560K	5%	1/4W				
R513	1-249-437-11	CARBON	47K	5%	1/4W				
R514	1-249-417-11	CARBON	1K	5%	1/4W				
R515	1-249-411-11	CARBON	330	5%	1/4W				
R516	1-249-425-11	CARBON	4.7K	5%	1/4W				
R518	1-249-433-11	CARBON	22K	5%	1/4W				
R519	1-249-422-11	CARBON	2.7K	5%	1/4W				
R520	1-247-887-00	CARBON	220K	5%	1/4W				
R521	1-249-429-11	CARBON	10K	5%	1/4W				
R522	1-249-426-11	CARBON	5.6K	5%	1/4W				
R523	1-249-413-11	CARBON	470	5%	1/4W				
R524	1-249-441-11	CARBON	100K	5%	1/4W				
R526	1-249-441-11	CARBON	100K	5%	1/4W				
R527	1-249-405-11	CARBON	100	5%	1/4W				
R528	1-249-429-11	CARBON	10K	5%	1/4W				
R529	1-249-429-11	(AV310)..... CARBON	10K	5%	1/4W				
R530	1-249-413-11	(AV310)..... CARBON	470	5%	1/4W				
R531	1-249-433-11	CARBON	22K	5%	1/4W				
R532	1-249-421-11	CARBON	2.2K	5%	1/4W				
R534	1-249-441-11	CARBON	100K	5%	1/4W				
R535	1-249-441-11	CARBON	100K	5%	1/4W				
R539	1-249-425-11	CARBON	4.7K	5%	1/4W				
R540	1-249-435-11	CARBON	33K	5%	1/4W				
R541	1-247-897-11	CARBON	560K	5%	1/4W				
R542	1-249-421-11	CARBON	2.2K	5%	1/4W				
R543	1-249-429-11	CARBON	10K	5%	1/4W				
R544	1-249-417-11	(WG)..... CARBON	1K	5%	1/4W				
R551	1-249-425-11	CARBON	4.7K	5%	1/4W				
R552	1-247-897-11	CARBON	560K	5%	1/4W				
R553	1-249-417-11	CARBON	1K	5%	1/4W				
R554	1-249-425-11	CARBON	4.7K	5%	1/4W				
R555	1-247-897-11	CARBON	560K	5%	1/4W				
R556	1-249-417-11	CARBON	1K	5%	1/4W				
R557	1-249-417-11	CARBON	1K	5%	1/4W				
R558	1-249-411-11	CARBON	330	5%	1/4W				
R559	1-249-437-11	CARBON	47K	5%	1/4W				
R560	1-247-897-11	CARBON	560K	5%	1/4W				
R561	1-249-417-11	CARBON	1K	5%	1/4W				
R562	1-247-897-11	CARBON	560K	5%	1/4W				
R563	1-249-437-11	CARBON	47K	5%	1/4W				
R564	1-249-417-11	CARBON	1K	5%	1/4W				
R565	1-249-411-11	CARBON	330	5%	1/4W				
R568	1-249-433-11	CARBON	22K	5%	1/4W				
R569	1-249-422-11	CARBON	2.7K	5%	1/4W				
R570	1-247-887-00	CARBON	220K	5%	1/4W				
R571	1-249-429-11	CARBON	10K	5%	1/4W				
R572	1-249-426-11	CARBON	5.6K	5%	1/4W				
R573	1-249-413-11	CARBON	470	5%	1/4W				
R576	1-249-441-11	CARBON	100K	5%	1/4W				
R578	1-249-429-11	CARBON	10K	5%	1/4W				
R579	1-249-441-11	(AV310)..... CARBON	100K	5%	1/4W				
R580	1-249-413-11	(AV310)..... CARBON	470	5%	1/4W				
R589	1-249-425-11	CARBON	4.7K	5%	1/4W				
R590	1-249-435-11	CARBON	33K	5%	1/4W				
R591	1-247-897-11	CARBON	560K	5%	1/4W				
R592	1-249-421-11	CARBON	2.2K	5%	1/4W				
R594	1-249-417-11	(WG)..... CARBON	1K	5%	1/4W				
R602	1-249-421-11	CARBON	2.2K	5%	1/4W				
R603	1-249-438-11	CARBON	56K	5%	1/4W				
R604	1-249-423-11	(AV310)..... CARBON	3.3K	5%	1/4W				
R604	1-249-421-11	(AV210)..... CARBON	2.2K	5%	1/4W				
R605	1-247-758-11	(AV310)..... CARBON	3.3K	5%	1/2W				
R605	1-247-756-11	(AV210)..... CARBON	2.2K	5%	1/2W				
R606	1-249-417-11	CARBON	1K	5%	1/4W				
R607	1-217-151-00	METAL PLATE	0.22		2W				
R608	1-249-438-11	CARBON	56K	5%	1/4W				
R609	1-249-417-11	CARBON	1K	5%	1/4W				
R610	1-249-427-11	CARBON	6.8K	5%	1/4W				
R611	1-249-435-11	CARBON	33K	5%	1/4W				
R612	▲ 1-247-700-11	CARBON	100	5%	1/4W				F
R614	▲ 1-249-437-11	CARBON	47K	5%	1/4W				
R615	▲ 1-247-700-11	CARBON	100	5%	1/4W				F
R616	1-249-441-11	CARBON	100K	5%	1/4W				
R617	1-249-433-11	CARBON	22K	5%	1/4W				
R618	1-249-417-11	CARBON	1K	5%	1/4W				
R619	1-249-429-11	CARBON	10K	5%	1/4W				
R620	▲ 1-216-432-00	(AV310)..... METAL OXIDE	820	5%	1W				F
R620	▲ 1-247-704-11	(AV210)..... CARBON	220	5%	1/4W				F
R621	1-249-435-11	CARBON	33K	5%	1/4W				
R622	1-249-421-11	CARBON	2.2K	5%	1/4W				
R623	1-249-432-11	CARBON	18K	5%	1/4W				
R624	1-249-431-11	CARBON	15K	5%	1/4W				
R625	1-247-889-00	CARBON	270K	5%	1/4W				
R626	1-249-416-11	CARBON	820	5%	1/4W				
R627	1-249-427-11	CARBON	6.8K	5%	1/4W				
R628	1-247-727-11	CARBON	10	5%	1/2W				
R629	1-249-482-11	CARBON	4.7	5%	1/2W				
R630	▲ 1-216-454-11	(AV310)..... METAL OXIDE	390	5%	2W				F
R630	▲ 1-215-889-00	(AV210)..... METAL OXIDE	330	5%	2W				F
R631	1-249-427-11	CARBON	6.8K	5%	1/4W				
R633	▲ 1-247-694-11	CARBON	33	5%	1/4W				F
R634	1-249-393-11	(WG)..... CARBON	10	5%	1/4W				
R635	1-249-393-11	(WG)..... CARBON	10	5%	1/4W				
R652	1-249-421-11	CARBON	2.2K	5%	1/4W				
R653	1-249-438-11	CARBON	56K	5%	1/4W				
R654	1-249-423-11	(AV310)..... CARBON	3.3K	5%	1/4W				

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Ref.No	Part No.	Description					
R654	1-249-421-11	(AV210).... CARBON	2.2K	5%	1/4W		
R655	1-247-758-11	(AV310).... CARBON	3.3K	5%	1/2W		
R655	1-247-756-11	(AV210).... CARBON	2.2K	5%	1/2W		
R656	1-249-417-11	CARBON	1K	5%	1/4W		
R657	1-217-151-00	METAL PLATE	0.22		2W		
R658	1-249-438-11	CARBON	56K	5%	1/4W		
R659	1-249-417-11	CARBON	1K	5%	1/4W		
R660	1-249-427-11	CARBON	6.8K	5%	1/4W		
R661	1-249-435-11	CARBON	33K	5%	1/4W		
R664	1-249-437-11	CARBON	47K	5%	1/4W		
R672	1-249-421-11	CARBON	2.2K	5%	1/4W		
R673	1-249-432-11	CARBON	18K	5%	1/4W		
R674	1-249-431-11	CARBON	15K	5%	1/4W		
R675	1-247-889-00	CARBON	270K	5%	1/4W		
R676	1-249-416-11	CARBON	820	5%	1/4W		
R677	1-249-427-11	CARBON	6.8K	5%	1/4W		
R678	1-247-727-11	CARBON	10	5%	1/2W		
R679	1-249-482-11	CARBON	4.7	5%	1/2W		
R680	△ 1-216-454-11	(AV310).... METAL OXIDE	390	5%	2W	F	
R680	△ 1-215-889-00	(AV210).... METAL OXIDE	330	5%	2W	F	
R684	1-249-393-11	(WG).... CARBON	10	5%	1/4W		
R685	1-249-393-11	(WG).... CARBON	10	5%	1/4W		
R801	△ 1-249-455-11	CARBON	4.7	5%	1/4W	F	
R802	△ 1-216-448-11	METAL OXIDE	39	5%	2W	F	
R803	1-249-426-11	CARBON	5.6K	5%	1/4W		
R804	△ 1-247-739-11	(AV310).... CARBON	100	5%	1/2W	F	
R804	△ 1-249-455-11	(AV210).... CARBON	4.7	5%	1/4W	F	
R805	△ 1-247-700-11	CARBON	100	5%	1/4W	F	
R806	1-249-423-11	CARBON	3.3K	5%	1/4W		
R807	1-247-749-11	CARBON	560	5%	1/2W		
R808	△ 1-249-455-11	CARBON	4.7	5%	1/4W	F	
R809	1-249-429-11	(AV310).... CARBON	10K	5%	1/4W		
R810	1-249-417-11	(AV310).... CARBON	1K	5%	1/4W		
R811	1-249-423-11	CARBON	3.3K	5%	1/4W		
R812	1-249-433-11	(AV310).... CARBON	22K	5%	1/4W		
R812	1-249-429-11	(AV210).... CARBON	10K	5%	1/4W		
R813	1-249-429-11	CARBON	10K	5%	1/4W		
R814	1-249-426-11	CARBON	5.6K	5%	1/4W		
R815	1-249-429-11	CARBON	10K	5%	1/4W		
R816	1-249-426-11	CARBON	5.6K	5%	1/4W		
R817	1-249-417-11	CARBON	1K	5%	1/4W		
R818	1-249-430-11	(AV210).... CARBON	12K	5%	1/4W		
R851	1-249-393-11	(AV310).... CARBON	10	5%	1/4W		
R852	1-249-437-11	CARBON	47K	5%	1/4W		
R853	1-249-437-11	CARBON	47K	5%	1/4W		
R911	1-249-425-11	(AV310).... CARBON	4.7K	5%	1/4W		
R912	1-249-437-11	(AV310).... CARBON	47K	5%	1/4W		
R913	1-249-396-11	(AV310).... CARBON	18	5%	1/4W		
RB301	1-233-081-11	COMPOSITION CIRCUIT BLOCK					
RB302	1-232-955-11	COMPOSITION CIRCUIT BLOCK					
RB303	1-232-998-11	COMPOSITION CIRCUIT BLOCK					
RV21	1-238-013-11	(AEP, UK)....RES, ADJ, CARBON 2.2K					
RV21	1-238-015-11	(WG)....RES, ADJ, CARBON 4.7K					
RV23	1-238-021-11	RES, ADJ, CARBON 220K					
RV24	1-238-017-11	(AEP, UK)....RES, ADJ, CARBON 22K					
RV24	1-238-019-11	(WG)....RES, ADJ, CARBON 47K					
RV501	1-238-556-11	(AV310)....RES, VAR, CARBON 250K/250K (VOLUME) (INCLUDING VOL MOTOR)					
RV501	1-238-074-11	(AV210)....RES, VAR, CARBON 100K/100K (VOLUME)					
RV502	1-238-557-11	RES, VAR, CARBON 250K (BALANCE)					
RV601	1-238-558-11	RES, VAR, CARBON 100K/100K (TONE BASS)					
RV602	1-238-558-11	RES, VAR, CARBON 100K/100K (TONE TREBLE)					
RY601	1-515-533-11	RELAY					
RY901	1-515-720-11	(AV310)....RELAY					
S301	1-554-303-21	SWITCH, KEY BOARD (TUNING DIRECT)					
S302	1-554-303-21	SWITCH, KEY BOARD (PRESET -)					
S303	1-554-303-21	SWITCH, KEY BOARD (TUNING -)					
S304	1-554-303-21	SWITCH, KEY BOARD (BAND FM)					
S305	1-554-303-21	SWITCH, KEY BOARD (FM MODE)					
S306	1-554-303-21	SWITCH, KEY BOARD (PRESET +)					
S307	1-554-303-21	SWITCH, KEY BOARD (TUNING +)					
S308	1-554-303-21	SWITCH, KEY BOARD (BAND FM)					
S310	1-554-303-21	SWITCH, KEY BOARD (TAPE)					
S311	1-554-303-21	SWITCH, KEY BOARD (VIDEO)					
S312	1-554-303-21	SWITCH, KEY BOARD (PHONE)					
S313	1-554-303-21	SWITCH, KEY BOARD (TUNER)					
S314	1-554-303-21	SWITCH, KEY BOARD (CD)					
S315	1-554-303-21	SWITCH, KEY BOARD (7)					
S316	1-554-303-21	SWITCH, KEY BOARD (8)					
S317	1-554-303-21	SWITCH, KEY BOARD (9)					
S318	1-554-303-21	SWITCH, KEY BOARD (MEMORY)					
S319	1-554-303-21	SWITCH, KEY BOARD (4)					
S320	1-554-303-21	SWITCH, KEY BOARD (5)					
S321	1-554-303-21	SWITCH, KEY BOARD (6)					
S322	1-554-303-21	SWITCH, KEY BOARD (0)					
S323	1-554-303-21	SWITCH, KEY BOARD (1)					
S324	1-554-303-21	SWITCH, KEY BOARD (2)					
S325	1-554-303-21	SWITCH, KEY BOARD (3)					
S326	1-554-303-21	SWITCH, KEY BOARD (SHIFT)					
S327	1-554-303-21	SWITCH, KEY BOARD (DBFB)					
S328	1-554-303-21	(AV310)....SWITCH, KEY BOARD (MUTING -20dB)					
S330	1-554-303-21	(AV310)....SWITCH, KEY BOARD (SYSTEM POWER)					
S601	1-571-485-11	SWITCH, PUSH (2 KEY) (SPEAKERS A/B)					
S901	△ 1-554-685-11	(AV210)....SWITCH, PUSH (AC POWER) (1 KEY) (POWER)					
T21	1-404-807-11	TRANSFORMER, DISCRIMINATOR					
T23	1-236-465-11	(WG)....ENCAPSULATED COMPONENT					
T901	△ 1-449-706-11	(AV310: AEP, WG)....TRANSFORMER, POWER					
T901	△ 1-449-758-11	(UK)....TRANSFORMER, POWER					
T901	△ 1-449-761-11	(AV210)....TRANSFORMER, POWER					
T902	△ 1-448-523-11	(AV310)....TRANSFORMER, POWER					
TM1	*1-537-138-31	TERMINAL BOARD (ANT) (ANTENNA)					
TM901	1-536-706-00	TERMINAL BOARD (SP) (SPEAKER)					
TP1	*1-560-060-00	PIN, CONNECTOR 2P					
VZ901	△ 1-807-180-11	(AV310)....VARISTOR SNR-14A300K					
X301	1-567-170-00	OSCILLATOR, CERAMIC (4.194MHz)					
XT81	1-577-126-11	VIBRATOR, CRYSTAL (7.2MHz)					

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

ACCESSORY & PACKING MATERIAL

<u>Part No.</u>	<u>Description</u>
1-501-369-11	(AEP, UK)... ANTENNA
1-501-374-11	ANTENNA, LOOP
3-701-630-00	BAG, POLYETHYLENE
3-750-264-11	(AEP, WG)... MANUAL, INSTRUCTION (ENGLISH, GERMAN)
3-750-264-41	(UK)... MANUAL, INSTRUCTION (ENGLISH)
3-750-264-51	(AEP)... MANUAL, INSTRUCTION (FRENCH, PORTUGUESE, DUTCH, SWEDISH)
*4-931-010-01	CUSHION (BOTTOM)
*4-931-011-01	CUSHION (TOP)