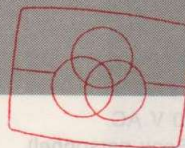


ST-S310

Free service manuals
(Gratis schema's)

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AEP Model
UK Model

SERVICE MANUAL



SPECIFICATIONS

Tuner

Circuit system FM stereo, FM/AM superheterodyne tuner
Quartz-locked PLL digital synthesizer system

FM tuner

Frequency range 87.5–108 MHz

Antenna terminals 75 ohms unbalanced

Intermediate frequency 10.7 MHz

Sensitivity (at 46 dB quieting)

18.0 dBf, 2.2 μ V (mono)

40.0 dBf, 24.5 μ V (Stereo)

Signal-to-noise ratio (at 40 kHz deviation)

74 dB (mono)

70 dB (stereo)

Harmonic distortion

0.07 % (mono), 0.15 % (stereo) at 1 kHz

IM distortion 0.07 (mono), 0.15% (stereo)

Separation 50 dB (at 1 kHz)

Frequency response

40 Hz–12.5 kHz $\pm$ 0.5 dB

Selectivity

65 dB (at 300 kHz)

Capture ratio

1.0 dB

AM suppression ratio

65 dB

Image response ratio

70 dB

IF response ratio 70 dB

Spurious response ratio

80 dB

Muting threshold 30 dBf

Automatic tuning threshold

30 dBf

Output

410 mV, 4.7 kohms (at 40 kHz deviation)

AM tuner

Frequency range Except Italian model:

MW: 531–1,602 kHz

LW: 153–281 kHz

Italian model:

MW: 522–1,611 kHz

LW: 144–288 kHz

Antenna

AM loop antenna

External antenna terminal

Intermediate frequency

450 kHz

Usable sensitivity (when AM loop antenna is used)

300 μ V/m (999 kHz)

1 mV/m (216 kHz)

Signal-to-noise ratio

54 dB (50 mV/m) (999 kHz)

50 dB (50 mV/m) (216 kHz)

Harmonic distortion

0.3% (50 mV/m, 400 Hz)

Selectivity

32 dB

— Continued on page 2 —

FM STEREO/FM-AM TUNER
SONY®

MICROFILM

General**Power requirements**

U.K. model: 240 V AC (or 220 V AC adjustable by authorized Sony personnel), 50/60 Hz

European model: 220 V AC (or 240 V AC adjustable by authorized Sony personnel), 50/60 Hz

Power consumption

10 W

Dimensions

Approx. 430×80×295 mm (w/h/d)
(17×3 $\frac{1}{4}$ ×11 $\frac{5}{8}$ inches)

Weight

Approx. 2.8 kg (6 lb 3 oz)

Accessories supplied

Remote control cord (1)

Connecting cord (1)

FM wire antenna (1) (Except West Germany model)

AM loop antenna (1)

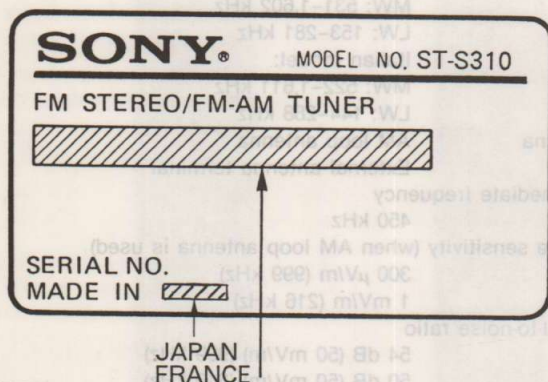
Design and specifications subject to change without notice.

Precautions**On safety**

- Before connecting the unit to the power source, check that the operating voltage of your unit is the same as the local power line voltage.

Where purchased	Operating voltage
United Kingdom	240 V AC, 50/60 Hz
Continental European countries	220 V AC, 50/60 Hz (240 V AC, adjustable by authorized Sony personnel)

- Should any solid object or liquid fall into the unit, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull it out by grasping the plug. Do not pull the cord itself.

MODEL IDENTIFICATION**—Specification Label—****ST-S310 :**

AEP, West Germany, IT model: 220 V AC 50–60Hz 10W

UK model: 240 V AC 50–60Hz 10W

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK 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.

On installation

- Place the unit on a level surface.
- To prevent internal heat buildup, place the unit in a location with good ventilation. Do not place it on a soft surface, such as a rug that would block the ventilation holes on the bottom.
- Do not install the unit in a location:
 - near heat sources
 - subject to direct sunlight, mechanical vibration or shock
 - exposed to rain, moisture, dirt or dust.

On operation

When the unit is not being used, turn the power off to conserve energy and extend the useful life of your unit.

On cleaning the cabinet

Clean the cabinet, panels and controls with a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

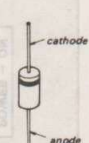
On repacking

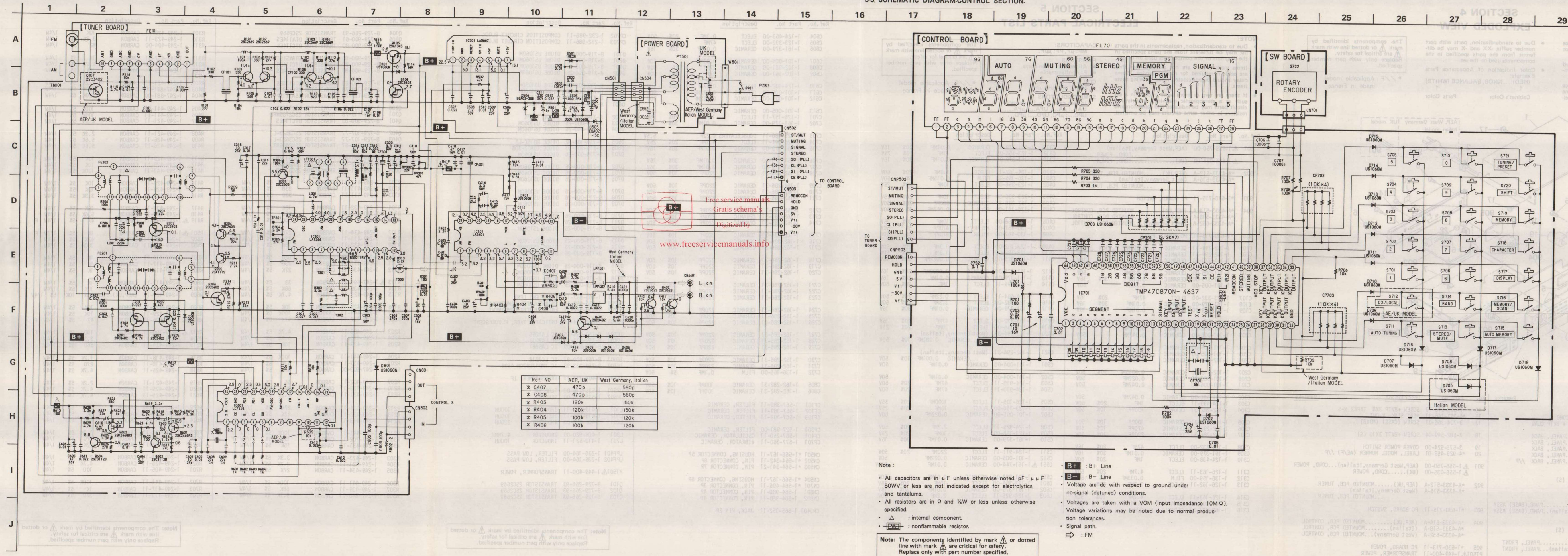
Do not throw away the carton and the packing material. This makes an ideal container when transporting the unit.

For any question or problem that is not covered in this manual, please consult your nearest Sony dealer.

SECTION 3

DIAGRAMS





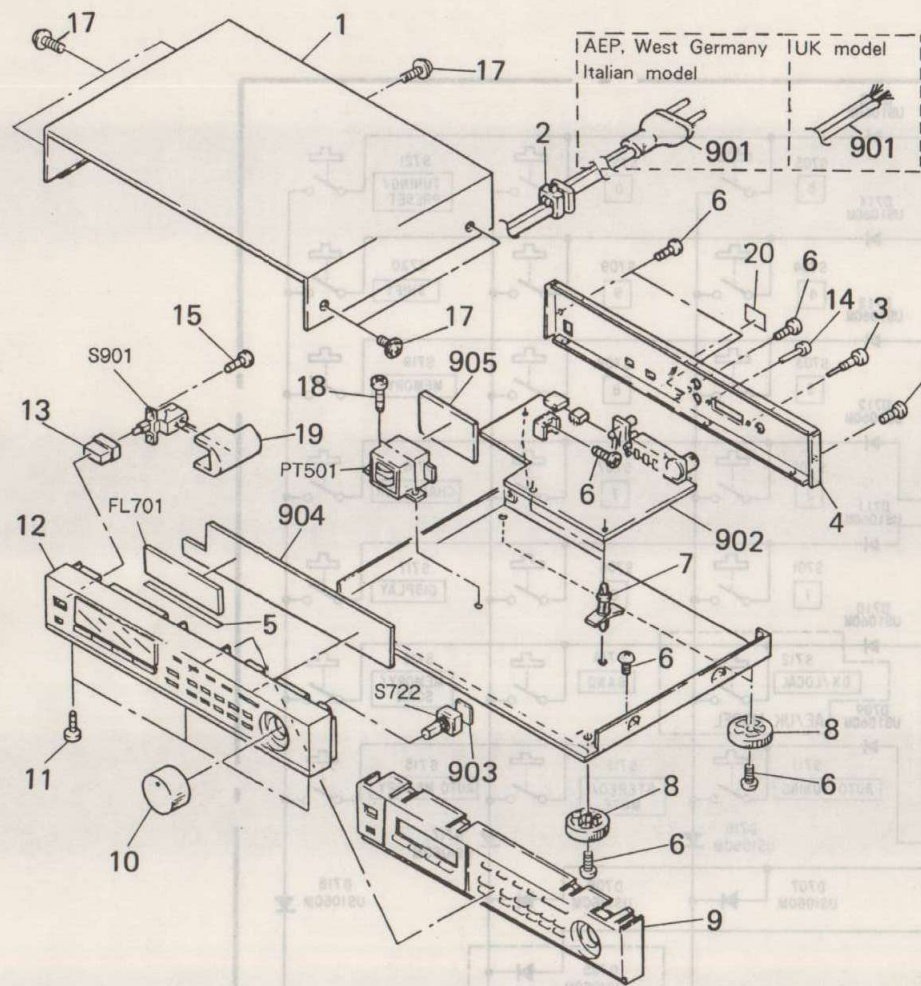
SECTION 4 EXPLODED VIEW

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  or dotted line with mark  are critical for safety. Replace only with part number specified.

• // F: Applicable model made in France



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-923-457-01	CASE		15	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
2	*3-703-244-00	BUSHING (2104), CORD		16	*4-363-146-31	HEAT SINK, V.OUT	
3	3-704-242-01	SCREW, TERMINAL, + BVTP CLAW		17	3-704-366-01	SCREW (CASE) (MX8)	
4	*4-923-453-01 (West Germany)...PANEL, BACK			18	7-682-549-04	SCREW +BVTT 3X10 (S)	
	*4-923-453-21 (AEP)...PANEL, BACK			19	3-575-524-00	COVER POWER SWITCH	
	*4-923-453-31 (UK)...PANEL, BACK			20	*4-923-459-01	LABEL, MODEL NUMBER (AE/F) //F	
	*4-923-453-41 (Italian)...PANEL, BACK						
	*4-923-453-51 (Italian,AEP)...PANEL, BACK		//F	901	Δ 1-555-750-00 (AEP,West Germany,Italian)...CORD, POWER		
5	9-911-863-XX	SPACER			Δ 1-556-035-00 (UK).....CORD, POWER		
6	7-682-548-04	SCREW +BVTT 3X8 (S)		902	*A-4333-512-A (AEP,UK).....MOUNTED PCB, TUNER		
7	*3-346-265-11	HOLDER, PC BOARD			*A-4333-516-A (West Germany,Italian).....MOUNTED PCB, TUNER		
8	X-4885-935-1	FOOT ASSY		903	*1-630-715-11	PC BOARD, SWITCH	
9	X-4886-038-1 (AEP,UK).....PANEL (BASE) ASSY						
	X-4886-039-1 (West Germany,Italian)..PANEL (BASE) ASSY			904	*A-4333-514-A (AEP,UK).....MOUNTED PCB, CONTROL		
10	4-923-463-01	KNOB			*A-4333-518-A (Italian).....MOUNTED PCB, CONTROL		
11	7-685-872-09	SCREW +BVTT 3X8 (S)			*A-4333-652-A (West Germany)...MOUNTED PCB, CONTROL		
12	4-923-460-01 (AEP,UK).....PANEL, FRONT			905	*1-630-713-11	PC BOARD, POWER	
13	4-923-460-21 (West Germany,Italian)...PANEL, FRONT						
14	4-917-460-01	KNOB, POWER					
	3-703-685-21	SCREW (+BV 3X8)					

SECTION 5 ELECTRICAL PARTS LIST

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  or dotted line with mark  are critical for safety. Replace only with part number specified.

• // F: Applicable model made in France

Ref.No.	Part No.	Description		Ref.No.	Part No.	Description	
901	Δ 1-555-750-00	(AEP,West Germany,Italian) ...CORD, POWER		C317	1-161-379-00	CERAMIC	0.01MF
	Δ 1-556-035-00	(UK).....CORD, POWER		C318	1-123-356-00	ELECT	10MF
902	*A-4333-512-A (AEP,UK).....MOUNTED PCB, TUNER			C319	1-161-379-00	CERAMIC	0.01MF
	*A-4333-516-A (West Germany,Italian).....MOUNTED PCB, TUNER			C320	1-126-162-11	ELECT	3.3MF
903	*1-630-715-11	PC BOARD, SWITCH		C401	1-136-155-00	FILM	0.015MF
904	*A-4333-514-A (AEP,UK).....MOUNTED PCB, CONTROL			C402	1-123-356-00	ELECT	10MF
	*A-4333-518-A (Italian).....MOUNTED PCB, CONTROL			C403	1-123-356-00	ELECT	10MF
	*A-4333-652-A (West Germany)...MOUNTED PCB, CONTROL			C404	1-162-288-31	CERAMIC	330PF
905	*1-630-713-11	PC BOARD, POWER		C405	1-136-161-00	FILM	0.047MF
C101	1-162-294-31	CERAMIC	0.001MF	C406	1-123-356-00	ELECT	10MF
C102	1-162-294-31	CERAMIC	0.001MF	C407	1-130-467-00	MYLAR	470PF
C103	1-161-379-00	CERAMIC	0.01MF	C408	1-130-467-00	MYLAR	470PF
C104	1-101-005-00	CERAMIC	0.022MF	C409	1-123-382-00	ELECT	3.3MF
C105	1-161-379-00	CERAMIC	0.01MF	C410	1-123-382-00	ELECT	3.3MF
C106	1-101-005-00	CERAMIC	0.022MF	C411	1-161-375-00	CERAMIC	0.0022MF
C107	1-123-332-00	ELECT	47MF	C412	1-161-375-00	CERAMIC	0.0022MF
C108	1-161-379-00	CERAMIC	0.01MF	C413	1-161-379-00	CERAMIC	0.01MF
C109	1-161-379-00	CERAMIC	0.01MF	C414	1-124-499-11	ELECT	1MF
C201	1-101-005-00	CERAMIC	0.022MF	C415	1-124-464-11	ELECT	0.22MF
C202	1-101-006-00	CERAMIC	0.047MF	C416	1-123-382-00	ELECT	3.3MF
C203	1-101-006-00	CERAMIC	0.047MF	C417	1-161-379-00	CERAMIC	0.01MF
C204	1-101-005-00	CERAMIC	0.022MF	C418	1-123-332-00	ELECT	47MF
C205	1-101-005-00	CERAMIC	0.022MF	C419	1-123-356-00	ELECT	10MF
C206	1-102-120-00	CERAMIC	0.0018MF	C420	1-162-294-31	(West Germany,Italian) ...CERAMIC	0.001MF
C207	1-102-119-00	CERAMIC	0.0015MF	C421	1-162-294-31	(West Germany,Italian) ...CERAMIC	0.001MF
C208	1-101-005-00	CERAMIC	0.022MF	C501	1-101-004-00	CERAMIC	0.01MF
C301	1-101-006-00	CERAMIC	0.047MF	C502	1-101-004-00	CERAMIC	0.01MF
C302	1-101-006-00	CERAMIC	0.047MF	C503	1-124-910-11	ELECT	47MF
C303	1-124-499-11	ELECT	1MF	C504	1-124-910-11	ELECT	47MF
C304	1-162-282-31	CERAMIC	100PF	C505	1-126-105-11	ELECT	1000MF
C305	1-162-282-31	CERAMIC	100PF	C506	1-123-356-00	ELECT	10MF
C306	1-162-290-31	CERAMIC	470PF	C507	1-101-005-00	CERAMIC	0.022MF
C307	1-162-286-31	CERAMIC	220PF	C508	1-124-925-11	ELECT	2.2MF
C308	1-123-332-00	ELECT	47MF	C509	1-123-356-00	ELECT	10MF
C309	1-161-379-00	CERAMIC	0.01MF	C510	1-161-379-00	CERAMIC	0.01MF
C310	1-124-438-00	ELECT	1MF	C511	1-124-911-11	ELECT	220MF
C311	1-126-163-11	ELECT	4.7MF	C512	1-101-005-00	CERAMIC	0.022MF
C312	1-136-159-00	FILM	0.033MF	C551	Δ 1-161-744-00	CERAMIC	0.01MF
C313	1-126-162-11	ELECT	3.3MF	C552	1-101-004-00	CERAMIC	0.01MF
C314	1-126-163-11	ELECT	4.7MF	C601	1-123-356-00	ELECT	10MF
C315	1-101-006-00	CERAMIC	0.047MF	C602	1-161-379-00	CERAMIC	0.01MF
C316	1-162-207-31	CERAMIC	22PF	C603	1-124-925-11	ELECT	2.2MF

Ref.No.	Part No.	Description		Ref.No.	Part No.	Description	
C604	1-124-463-00	ELECT	0.1MF	CP702	1-232-986-11	COMPOSITION CIRCUIT BLOCK	
C605	1-123-332-00	ELECT	47MF	CP703	1-232-986-11	COMPOSITION CIRCUIT BLOCK	
C606	1-161-379-00	CERAMIC	0.01MF	D101	8-719-000-26	DIODE US1060M	
C607	1-101-004-00	CERAMIC	0.01MF	D201	8-719-000-26	DIODE US1060M	
C608	1-102-961-00	CERAMIC	27PF	D401	8-719-000-26	DIODE US1060M	
C609	1-102-961-00	CERAMIC	27PF	D402	8-719-000-26	DIODE US1060M	
C610	1-124-902-00	ELECT	0.47MF	D403	8-719-000-26	DIODE US1060M	
C611	1-101-005-00	CERAMIC	0.022MF	D404	8-719-000-26	DIODE US1060M	
C612	1-101-005-00	CERAMIC	0.022MF	D405	8-719-000-26	DIODE US1060M	
C613	1-101-005-00	CERAMIC	0.022MF	D501	8-719-200-77	DIODE 10E2N	
C701	1-126-157-11	ELECT	10MF	D502	8-719-200-77	DIODE 10E2N	
C702	1-161-379-00	CERAMIC	0.01MF	D503	8-719-000-26	DIODE US1060M	
C703	1-125-486-11	DOUBLELAYERS	0.22F	D504	8-719-000-26	DIODE US1060M	
C704	1-126-094-11	ELECT	4.7MF	D505	8-719-101-92	DIODE RD16E-L2	
C705	1-161-379-00	CERAMIC	0.01MF	D506	8-719-904-93	DIODE EQA02-30B	
C706	1-161-379-00	CERAMIC	0.01MF	D701	8-719-000-26	DIODE US1060M	
C707	1-161-379-00	CERAMIC	0.01MF	D702	8-719-000-26	DIODE US1060M	
C708	1-162-286-31	CERAMIC	220PF	D703	8-719-000-26	DIODE US1060M	
C709	1-162-286-31	CERAMIC	220PF	D705	8-719-000-26	DIODE US1060M	
C710	1-162-286-31	CERAMIC	220PF	D707	8-719-000-26	DIODE US1060M	
C711	1-162-286-31	CERAMIC	220PF	D708	8-719-000-26	DIODE US1060M	
C712	1-162-286-31	CERAMIC	220PF	D709	8-719-000-26	DIODE US1060M	
C713	1-162-286-31	CERAMIC	220PF	D710	8-719-000-26	DIODE US1060M	
C714	1-162-286-31	CERAMIC	220PF	D711	8-719-000-26	DIODE US1060M	
C715	1-162-286-31	CERAMIC	220PF	D712	8-719-000-26	DIODE US1060M	
C716	1-162-286-31	CERAMIC	220PF	D713	8-719-000-26	DIODE US1060M	
C717	1-162-286-31	CERAMIC	220PF	D714	8-719-000-26	DIODE US1060M	
C718	1-162-286-31	CERAMIC	220PF	D715	8-719-000-26	DIODE US1060M	
C719	1-162-286-31	CERAMIC	220PF	D716	8-719-000-26	DIODE US1060M	
C720	1-162-286-31	CERAMIC	220PF	D717	8-719-000-26	DIODE US1060M	
C721	1-162-286-31	CERAMIC	220PF	D718	8-719-000-26	DIODE US1060M	
C722	1-162-286-31	CERAMIC	220PF	D801	8-719-000-26	DIODE US1060M	
C723	1-162-286-31	CERAMIC	220PF	FE101	1-463-857-11	FRONT END (FM)	
C724	1-162-286-31	CERAMIC	220PF	FE201	1-236-462-11	ENCAPSULATED COMPONENT	
C725	1-162-286-31	CERAMIC	220PF	FE202	1-236-512-11	ENCAPSULATED COMPONENT	
C726	1-162-286-31	CERAMIC	220PF	FL701	1-519-514-11	INDICATOR TUBE, FLUORESCENT	
C727	1-162-286-31	CERAMIC	220PF	IC301	8-759-804-55	IC LA1266	
C728	1-162-286-31	CERAMIC	220PF	IC401	8-759-801-80	IC LA3401	
C729	1-162-286-31	CERAMIC	220PF	IC501	8-759-820-09	IC LA5667	
C730	1-162-286-31	CERAMIC	220PF	IC601	8-759-820-91	IC LC7218	
C731	1-162-286-31	CERAMIC	220PF	IC701	8-759-233-92	IC TMP47C870N-4638	
C732	1-136-165-00	FILM	0.1MF	IFT301	1-404-713-11	TRANSFORMER, IF	
C805	1-162-282-31	CERAMIC	100PF	JP501	1-535-416-00	TERMINAL	
C806	1-162-282-31	CERAMIC	100PF	JP502	1-535-416-00	TERMINAL	
CF101	1-567-389-11	FILTER, CERAMIC		L101	1-410-521-11	INDUCTOR	100UH
CF102	1-567-389-11	FILTER, CERAMIC		L102	1-410-521-11	INDUCTOR	100UH
CF103	1-567-389-11	FILTER, CERAMIC		L201	1-408-425-00	INDUCTOR	220UH
CF301	1-527-981-00	FILTER, CERAMIC		L301	1-408-920-00	INDUCTOR	4.7MMH
CF401	1-567-250-11	OSCILLATOR, CERAMIC		L701	1-410-521-11	INDUCTOR	100UH
CF701	1-577-360-11	VIBRATOR, CERAMIC		LPF401	1-235-164-00	FILTER, LOW PASS	
CN501	*1-566-167-11	HOUSING, CONNECTOR 5P		LPF402	1-235-164-00	FILTER, LOW PASS	
CN502	*1-564-342-11	PIN, CONNECTOR 8P		PT501	Δ 1-449-400-11	TRANSFORMER, POWER	
CN503	*1-564-341-21	PIN, CONNECTOR 7P		R303	1-249-423-11	CARBON	3.3K
CN504	*1-566-167-11	HOUSING, CONNECTOR 5P		R304	1-249-421-11	CARBON	2.2K
CN701	*1-564-496-11	PIN, CONNECTOR 3P		R305	1-249-434-11	CARBON	27K
CN801	1-564-980-11	PIN, CONNECTOR 4P		R306	1-249-441-11	CARBON	100K
CN802	1-564-980-11	PIN, CONNECTOR 4P		R307	1-249-439-11	CARBON	68K
CNJ401	1-565-352-11	JACK, PIN 2P		R308	1-247-848-11	CARBON	5.1K

Note: The components identified by mark

Ref.No.	Part No.	Description
R705	1-249-411-11	CARBON 330 5% 1/4W
R706	1-249-429-11	CARBON 10K 5% 1/4W
R707	1-249-441-11	CARBON 100K 5% 1/4W
R708	1-249-441-11	CARBON 100K 5% 1/4W
R802	1-249-393-11	CARBON 10 5% 1/4W
RV301	1-228-996-00	RES, ADJ, CARBON 47K
RV302	1-228-995-00	RES, ADJ, CARBON 22K
RV401	1-228-997-00	RES, ADJ, CARBON 100K
S701	1-554-303-21	SWITCH, KEY BOARD (1)
S702	1-554-303-21	SWITCH, KEY BOARD (2)
S703	1-554-303-21	SWITCH, KEY BOARD (3)
S704	1-554-303-21	SWITCH, KEY BOARD (4)
S705	1-554-303-21	SWITCH, KEY BOARD (5)
S706	1-554-303-21	SWITCH, KEY BOARD (6)
S707	1-554-303-21	SWITCH, KEY BOARD (7)
S708	1-554-303-21	SWITCH, KEY BOARD (8)
S709	1-554-303-21	SWITCH, KEY BOARD (9)
S710	1-554-303-21	SWITCH, KEY BOARD (0)
S711	1-554-303-21	SWITCH, KEY BOARD (AUTO TUNING)
S712	1-554-303-21	(AEP,UK)...SWITCH, KEY BOARD (DX/LOCAL)
S713	1-554-303-21	SWITCH, KEY BOARD (STEREO/MUTE)
S714	1-554-303-21	SWITCH, KEY BOARD (BAND)
S715	1-554-303-21	SWITCH, KEY BOARD (AUTO MEMORY)
S716	1-554-303-21	SWITCH, KEY BOARD (MEMORY SCAN)
S717	1-554-303-21	SWITCH, KEY BOARD (DISPLAY)
S718	1-554-303-21	SWITCH, KEY BOARD (CHARACTER)
S719	1-554-303-21	SWITCH, KEY BOARD (MEMORY)
S720	1-554-303-21	SWITCH, KEY BOARD (SHIFT)
S721	1-554-303-21	SWITCH, KEY BOARD (TUNING/PRESET)
S722	1-466-067-11	ENCORDER, ROTARY (TUNING/PRESET)
S901	1-554-920-21	SWITCH, PUSH (AC POWER)(1 KEY)
T301	1-404-743-11	COIL, DISCRIMINATOR
T302	1-404-742-11	COIL, DISCRIMINATOR
T303	1-235-126-00	ENCAPSULATED COMPONENT
TM101	*1-537-138-31	TERMINAL BOARD (ANT)
TP101	*1-535-114-00	TERMINAL
TP301	*1-560-060-00	PIN, CONNECTOR 2P
WP501	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
X601	1-577-126-11	VIBRATOR, CRYSTAL

ACCESSORY & PACKING MATERIAL

1-501-369-11	(AEP,UK,Italian)...ANTENNA
1-501-374-11	ANTENNA, LOOP
1-558-233-11	CORD (WITH CONNECTOR)(SIRCS) 4P
1-558-543-11	CORD, CONNECTION
3-750-239-11	(AEP,UK)...MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH,ITALY)
3-750-239-41	(AEP,West Germany,Italian)...MANUAL, INSTRUCTION (GERMAN,DUTCH,SWEDISH,PORTUGUESE)
*3-704-343-01	SHEET (STANDARD), PROTECTION
4-915-426-01	CUSHION
4-923-467-01	CUSHION (Italian,AEP) //F
*4-917-056-11	INDIVIDUAL CARTON
*4-923-466-11	INDIVIDUAL CARTON (Italian,AEP) //F

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
R702	1-549-41-11	CARBON
R706	1-549-42-11	CARBON
R707	1-549-44-11	CARBON
R708	1-549-44-11	CARBON
R805	1-549-39-11	CARBON
R901	1-528-98-00	RES, ADJ, CARBON 47K
R902	1-528-98-00	RES, ADJ, CARBON 52K
R903	1-528-98-00	RES, ADJ, CARBON 100K
S201	1-554-303-51	SWITCH, KEY BOARD (1)
S202	1-554-303-51	SWITCH, KEY BOARD (2)
S203	1-554-303-51	SWITCH, KEY BOARD (3)
S204	1-554-303-51	SWITCH, KEY BOARD (4)
S205	1-554-303-51	SWITCH, KEY BOARD (5)
S206	1-554-303-51	SWITCH, KEY BOARD (6)
S207	1-554-303-51	SWITCH, KEY BOARD (7)
S208	1-554-303-51	SWITCH, KEY BOARD (8)
S209	1-554-303-51	SWITCH, KEY BOARD (9)
S210	1-554-303-51	SWITCH, KEY BOARD (10)
S211	1-554-303-51	SWITCH, KEY BOARD (AUTO TUNING)
S212	1-554-303-51	(AEP, UK)...SWITCH, KEY BOARD (DX/LOCAL)
S213	1-554-303-51	SWITCH, KEY BOARD (STEREO/MUTE)
S214	1-554-303-51	SWITCH, KEY BOARD (BAND)
S215	1-554-303-51	SWITCH, KEY BOARD (AUTO MEMORY)
S216	1-554-303-51	SWITCH, KEY BOARD (MEMORY SCAN)
S217	1-554-303-51	SWITCH, KEY BOARD (DISPLAY)
S218	1-554-303-51	SWITCH, KEY BOARD (CHARACTER)
S219	1-554-303-51	SWITCH, KEY BOARD (MEMORY)
S220	1-554-303-51	SWITCH, KEY BOARD (SHIFT)
S221	1-554-303-51	SWITCH, KEY BOARD (TUNING/PRESET)
S222	1-466-087-11	ENCORDER, ROTARY (TUNING/PRESET)
S901	1-554-950-51	SWITCH, PUSH (AC POWER) (1 KEY)
T301	1-404-743-11	COIL, DISCRIMINATOR
T302	1-404-743-11	COIL, DISCRIMINATOR
T303	1-538-166-00	ENCAPSULATED COMPONENT
TM101	*1-537-138-31	TERMINAL BOARD (WLT)
TP101	*1-638-114-00	TERMINAL
TP301	*1-560-060-00	PIN, CONNECTOR 2P
W501	*1-538-139-00	BASE POST 25MM (10MM PITCH) 2P
X501	1-577-128-11	VIBRATOR, CRYSTAL

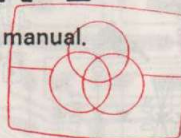
Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

ST-S310

SONY
SERVICE MANUALAEP Model
UK Model

CORRECTION-1

Please correct your service manual.

Free service manuals
Gratis schema's

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 : Corrected portion

Page 5.

SECTION2
ADJUSTMENTS

AM SECTION

Delete :

~~LW TRACKING ADJUSTMENTS~~~~Procedure :~~

- ~~1. Adjust the antenna coil of FE202 (LW RF BLOCK) for a maximum reading on VTVM.~~

SG and Set frequency	Adjustment parts	Reading on VTVM
171kHz (162kHz)	FE202	Maximum
216kHz (270kHz)	FE202	Maximum

~~() : Italian model~~~~MW TRACKING ADJUSTMENTS~~~~Procedure :~~

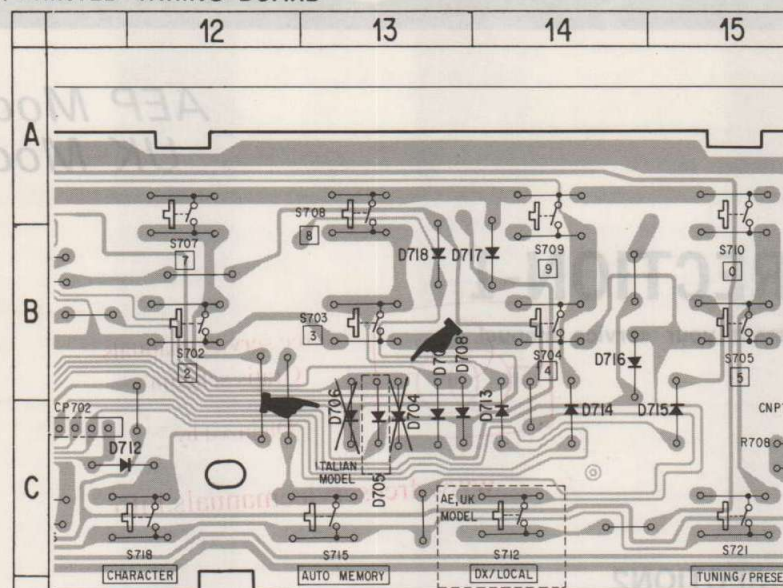
- ~~1. Adjust the antenna coil of FE202 (MW RF BLOCK) for a maximum reading on VTVM.~~

SG and Set frequency	Adjustment parts	Reading on VTVM
603kHz	FE201	Maximum
1404kHz	FE201	Maximum

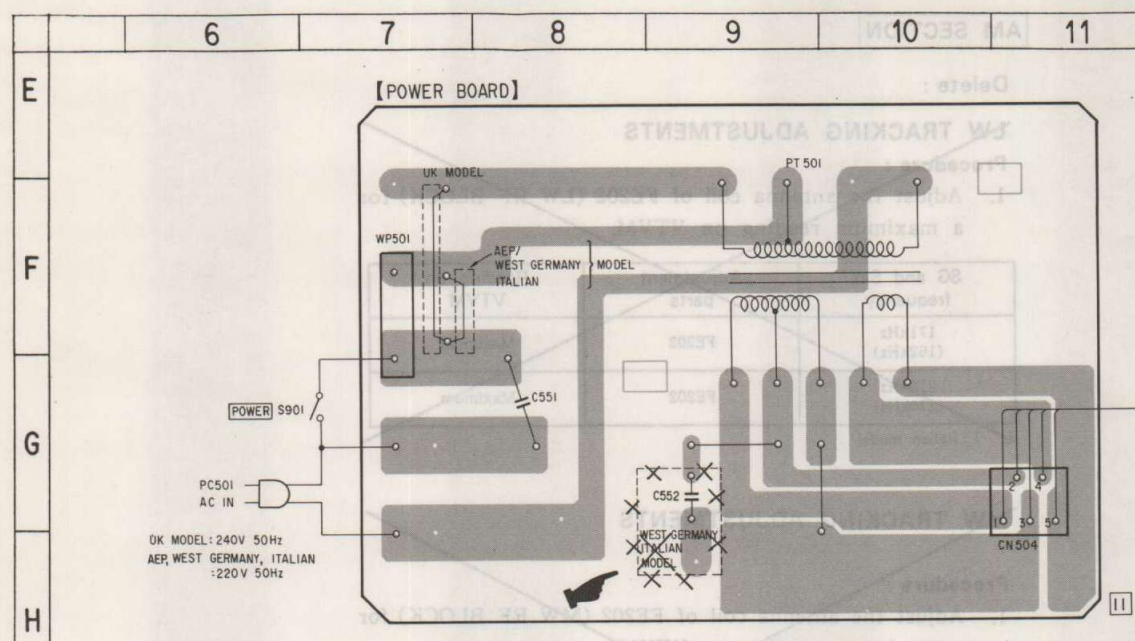
SECTION 3 DIAGRAMS

Page 6.

3-1. PRINTED WIRING BOARD

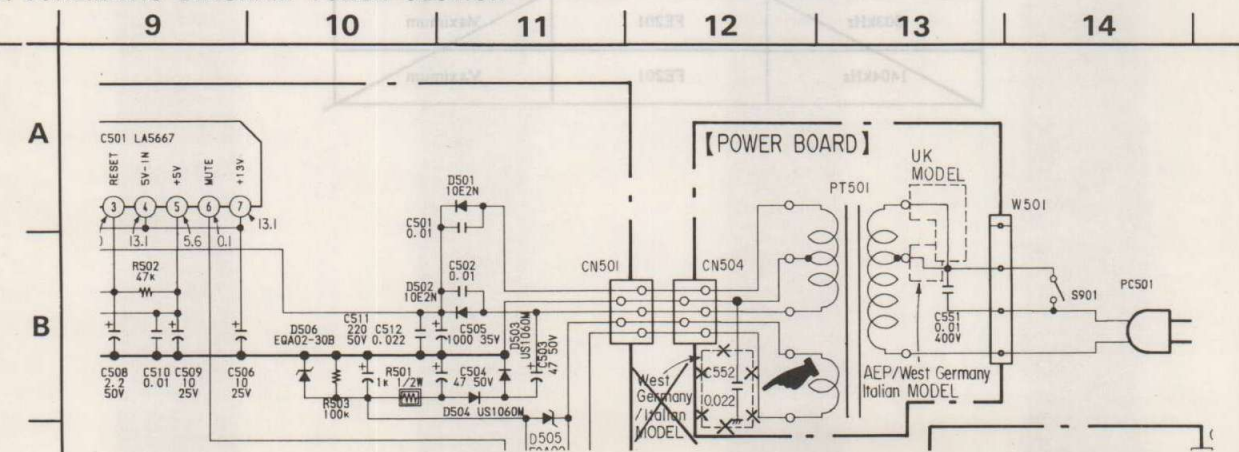


Page 6.

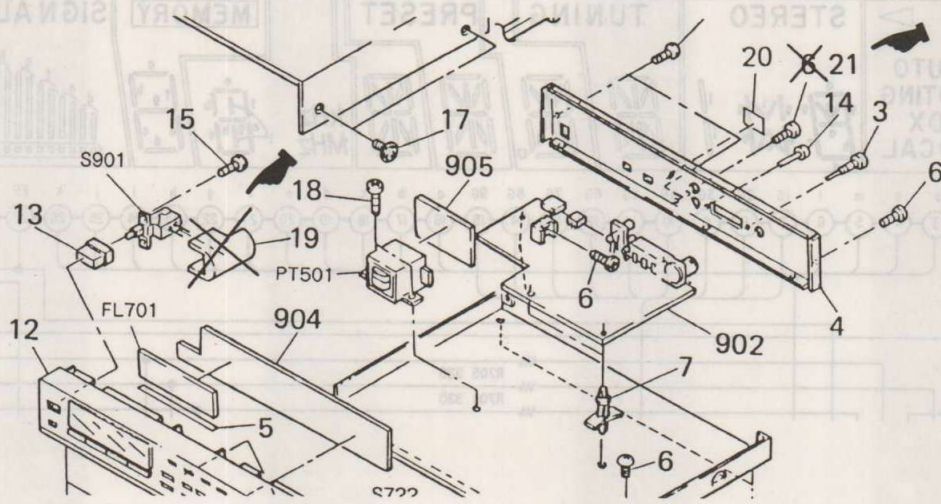


Page 10.

3-2. SCHEMATIC DIAGRAM TUNER SECTION



SECTION 4
EXPLODED VIEW



No.	Part No.	Description	Remarks
11	7-682-547-09	SCREW +BVT 3×6 (S)	
12	4-923-460-01	(AEP,UK).....PANEL, FRONT	
	4-923-460-21	(West Germany,Italian)...PANEL, FRONT	
13	4-917-460-01	KNOB, POWER	
14	3-703-685-21	SCREW (+BV 3X8)	
Delete : 19	3-575-524-00	COVER POWER SWITCH	
20	*4-923-459-01	LABEL, MODEL NUMBER (AE/F) //F	
21	7-621-849-00	SCREW, TAPPING	

SECTION 5
ELECTRICAL PARTS LIST

Ref.No.	Part No.	Description			
R705	1-249-411-11	CARBON	330	5%	1/4W
R706	1-249-429-11	CARBON	10K	5%	1/4W
R707	1-249-441-11	CARBON	100K	5%	1/4W
R708	1-249-441-11	CARBON	100K	5%	1/4W
ADD : R709	1-249-429-11	CARBON	10K	5%	1/4W (WG/IT MODEL)
R802	1-249-393-11	CARBON	10	5%	1/4W