

# TA-F110/F210

## SERVICE MANUAL

*AEP Model*

*UK Model*

*TA-F110/F210*

*E Model*

*TA-F110*



Photo: TA-F210

### SPECIFICATIONS

#### Amplifier

Continuous RMS power output (both channels driven simultaneously)

#### AEP model

		TA-F110	TA-F210
DIN, 1 kHz	4 ohms	40W + 40W	80W + 80W
	8 ohms	30W + 30W	57W + 57W
20 Hz – 20 kHz THD 0.05%	4 ohms	27W + 27W	50W + 50W
	8 ohms	24W + 24W	40W + 40W

#### UK, E model

		TA-F110	TA-F210
DIN, 1 kHz, 8 ohms		40W + 40W	70W + 70W
20 Hz – 20 kHz THD 0.05%, 8 ohms		30W + 30W	50W + 50W

#### Input

Input jack		Jack type	Sensitivity
PHONO	MM	Phono	2.0 mV
TUNER, CD, VIDEO/AUX, TAPE/DAT		Phono	150 mV
Impedance	S/N (weighting network, input level)		
50 kilohms	70 dB (A, 2 mV)		
50 kilohms	100 dB (150 mV)		

#### Output

Output jack	Jack type	Voltage/impedance
REC OUT	Phono jacks	Voltage 150 mV Impedance 1 kohms
SPEAKERS	—	<b>AEP model:</b> Accepts speakers of 4 – 16 ohms.  <b>UK, E model:</b> Accepts speakers of 8 – 16 ohms.
HEAD- PHONES	Stereo phone jack	Accepts low and high impedance headphones.

#### Tone controls

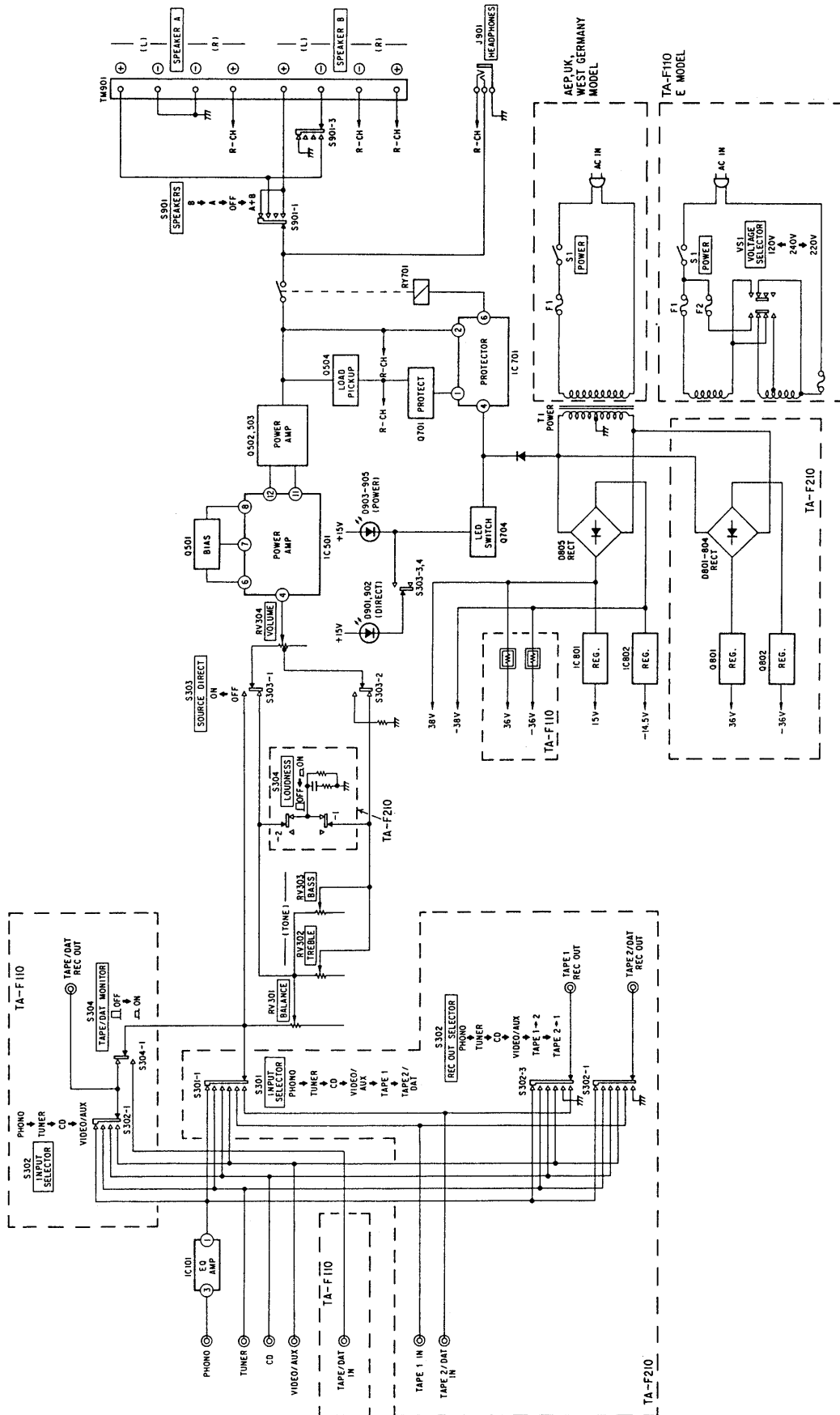
	Response	Turnover frequency
BASS	±7 dB (100 Hz)	500 Hz
TREBLE	±8 dB (15 kHz)	3 kHz

Loudness (Attenuation 30 dB) (TA-F210 only)  
+3 dB (100 Hz)  
+3 dB (10 kHz)

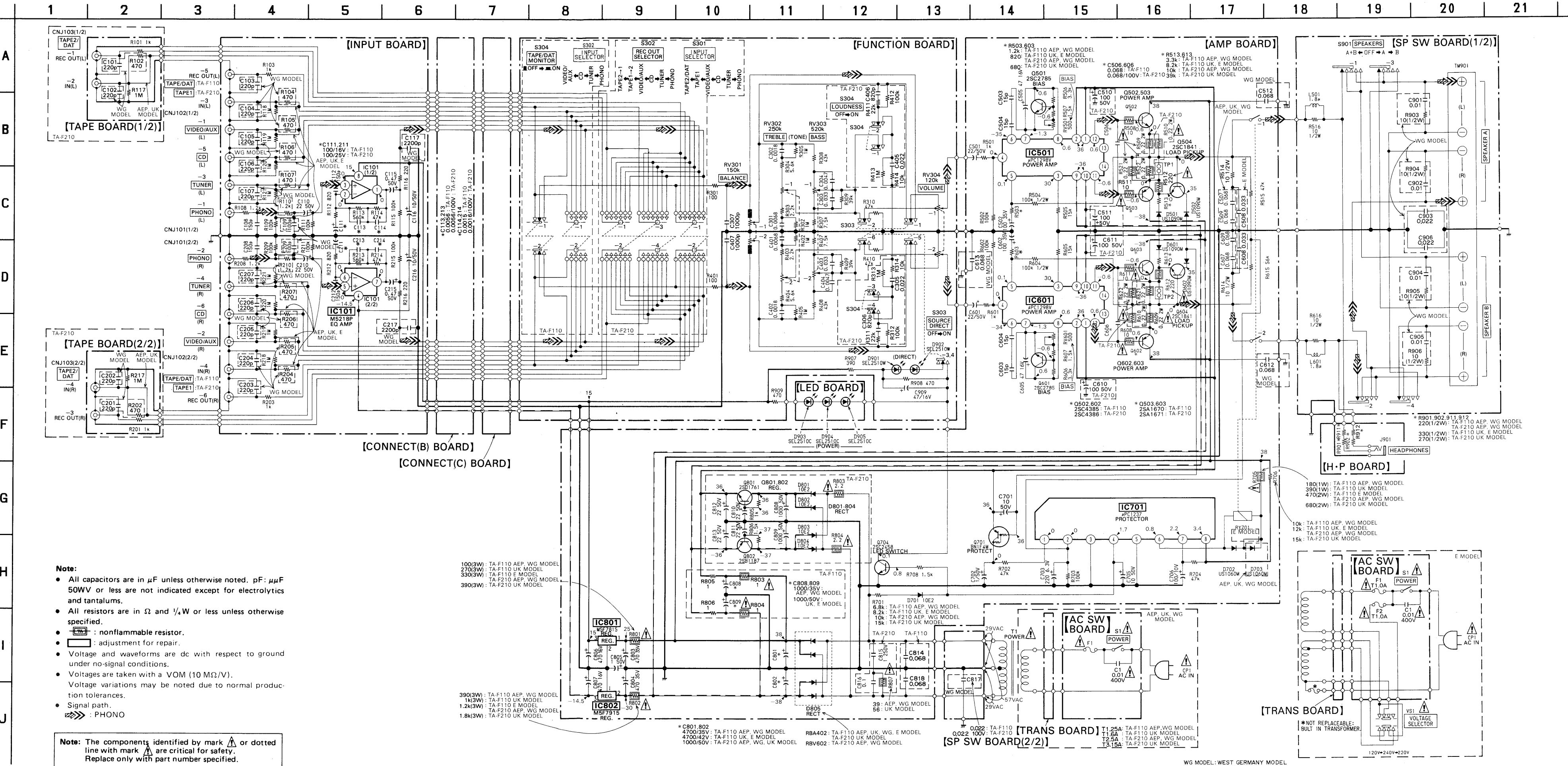
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INTEGRATED STEREO AMPLIFIER  
**SONY®**

# SECTION 2 BLOCK DIAGRAM



4-5. SCHEMATIC DIAGRAM • See page 6 for IC Block Diagrams.



**Note:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{mF}$  50VV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}W$  or less unless otherwise specified.
- : nonflammable resistor.
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (10 M $\Omega$ /V). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- : PHONO

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

WG MODEL: WEST GERMANY MODEL