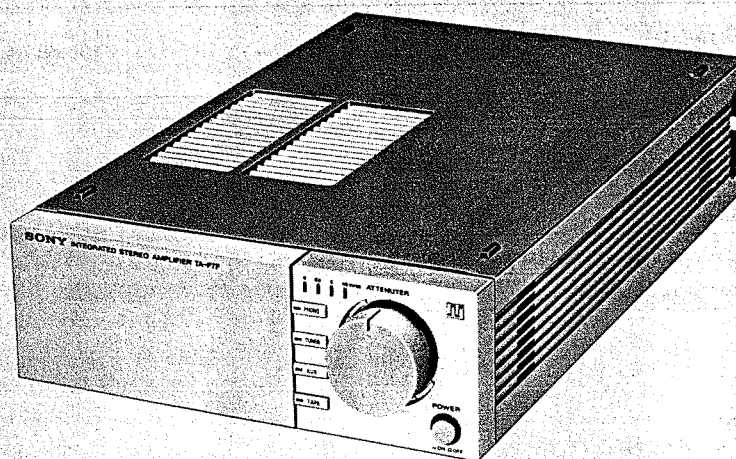


6532

TA-P7F

R1371 US Model
AEP Model
UK Model



INTEGRATED STEREO AMPLIFIER

SPECIFICATIONS

GENERAL

System: Preamplifier section — low noise NF type equalizer amp; NF type tone control
Power amplifier section — pure-complementary SEPP dc power amplifier with all stages direct coupled
Power supply section — pulse power supply circuitry; regulated power supply for preamp

Power Requirements: 120 V ac, 60 Hz (US model)
220 V ac, 50/60 Hz (AEP model)
240 V ac, 50/60 Hz (UK model)

Power Consumption: 90 W (US model)
200 W (AEP model)
280 W (UK model)

AC Outlets: 1 switched 100 W
2 unswitched 100 W

Dimensions: 215(w) x 80(h) x 330(d) mm
8½(w) x 3¼(h) x 13(d) inches including projecting parts and controls

Weight: 3.6 kg (7 lb 15 oz) net
3.9 kg (8 lb 10 oz) in shipping carton

POWER AMPLIFIER SECTION

Continuous RMS Power Output: At 20 Hz — 20 kHz
(Less than 0.01% THD, both channels driven simultaneously) 50+50 W (8 Ω)
(AEP, UK model)

Power Output and Total Harmonic Distortion: With 8 Ω loads, both channels driven from 20 Hz — 20 kHz; rated 50 W per channel minimum RMS Power, with no more than 0.01% total harmonic distortion from 250 mV to rated output (US model)

Harmonic distortion: Less than 0.01% at rated output
Less than 0.008% at 10 W output

Intermodulation (IM) distortion: Less than 0.01% at rated output
(60 Hz : 7 kHz = 4 : 1) Less than 0.008% at 10 W output

Residual noise: Less than 50 μV (8 Ω, Network A)

Damping factor: 50 (8 Ω, 1 kHz)

Frequency Response: PHONO: RIAA equalization curve ±0.2 dB
TUNER, TAPE, AUX: 5 Hz — 60 kHz $_{-1}^{+0}$ dB

— Continued on page 2 —

SAFETY-RELATED COMPONENT WARNING!!

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

SONY®

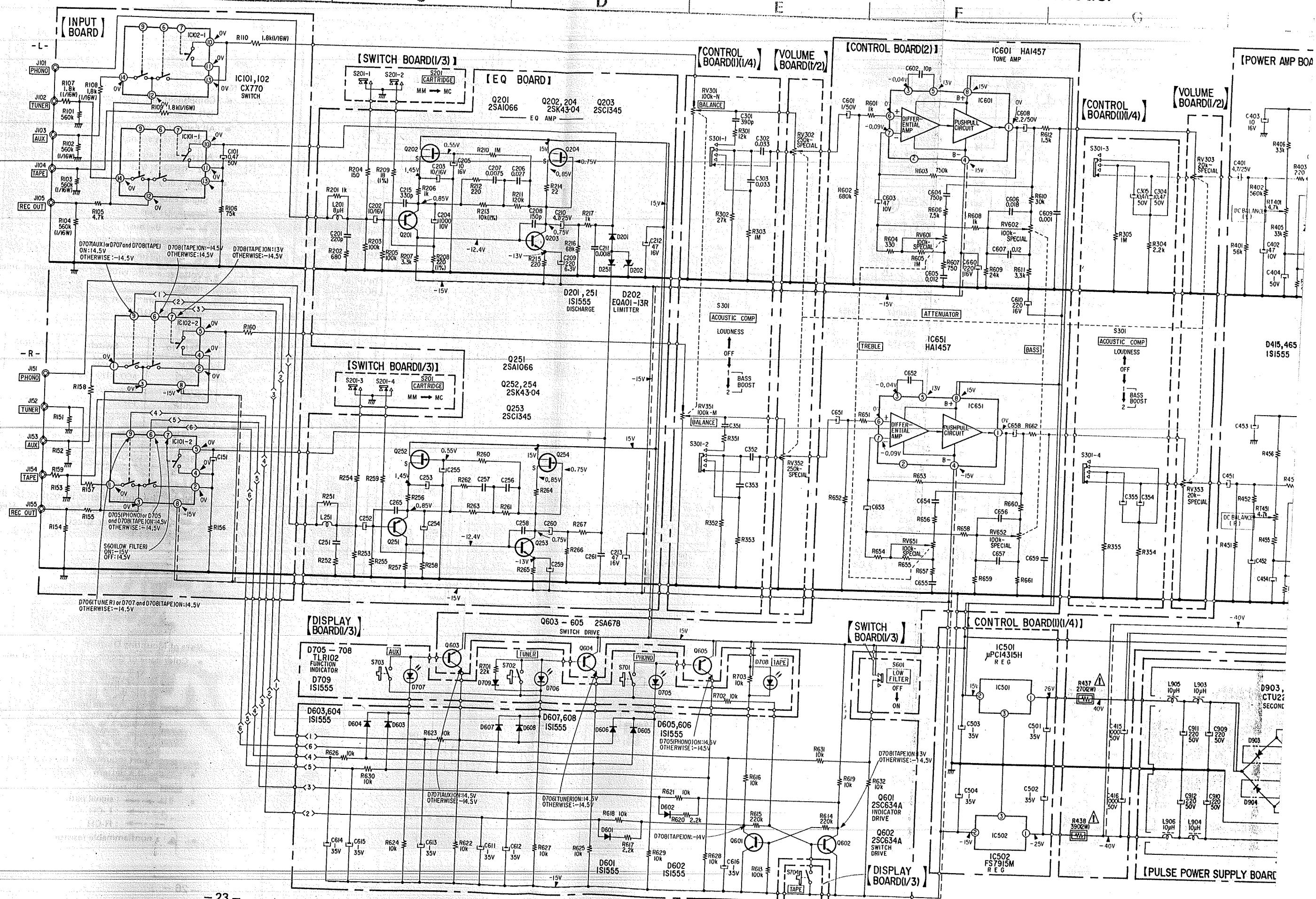
SERVICE MANUAL

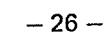
952

4-2. SCHEMATIC DIAGRAM (US model)

TA-P7F TA-P7F

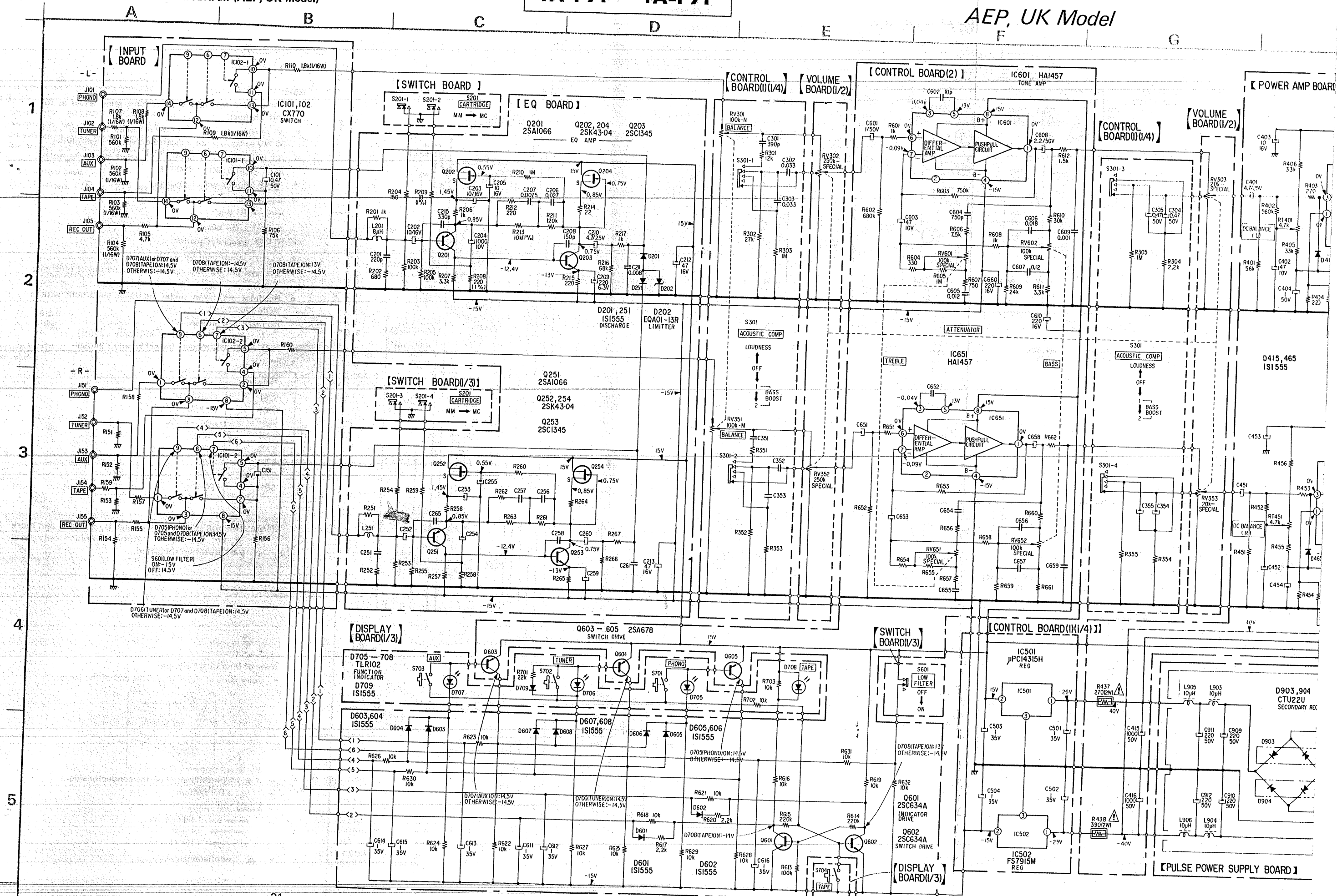
US Model





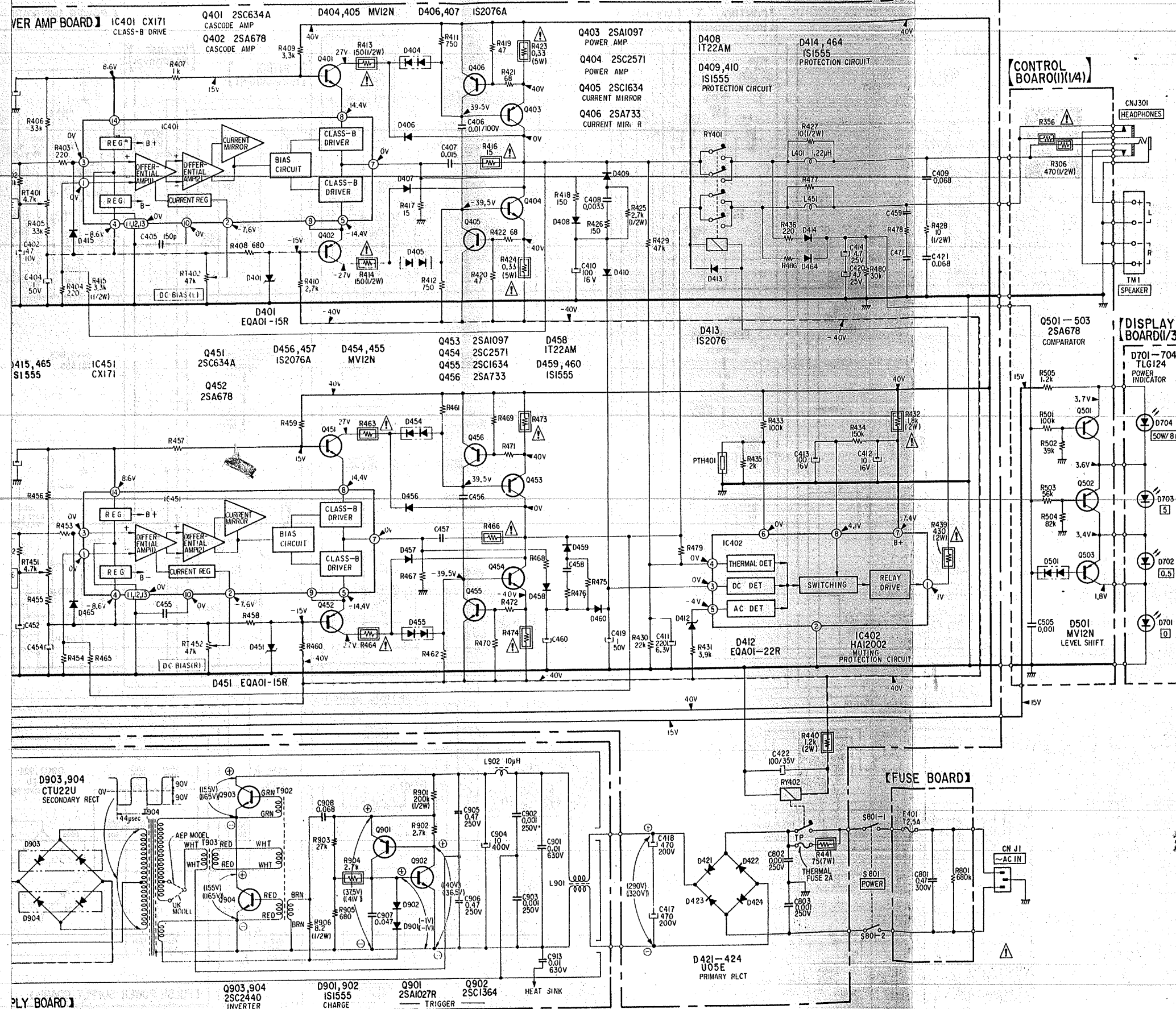
TA-P7F TA-P7F

—



AEP, UK Model

TA-P7F TA-P7F



Note:

- Component for right channel have same values as for left channel.
- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\text{F}$ 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{2}\text{W}$ unless otherwise noted. $\text{k}\Omega : 1000\Omega$; $\text{M}\Omega : 1000\text{k}\Omega$
- W : nonflammable resistor.
- Signal Path
 — : B+ bus.
 - - - : B- bus.
- $\square$: panel designation.
- $\square$: adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (20 $\text{k}\Omega/\text{V}$).
- No mark : common
 () : AEP model (power supply : 220V)
 (()) : UK model (power supply : 240V)

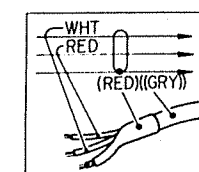
Switch

Ref. No.	Switch	Position
S201	CARTRIDGE	MM
S301	ACOUSTIC COMP	OFF
S601	LOW FILTER	OFF
S701	PHONO	OFF
S702	TUNER	OFF
S703	AUX	OFF
S704	TAPE	OFF
S801	POWER	OFF

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

Note of Mounting Diagram

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



- $\blacksquare$: part mounted on the conductor side.
- $\square$: B+ pattern
- $\square$: B- pattern
- $\rightarrow$: signal path
- $\rightarrow$: L-CH
- $\rightarrow$: R-CH
- Δ : nonflammable resistor