

TA-F60

US Model
Canadian Model
AEP Model
UK Model
PX Model



INTEGRATED STEREO AMPLIFIER




SPECIFICATIONS


GENERAL

Power Requirements:	120 V ac, 60 Hz (US, Canadian model) 220 V ac ~, 50/60 Hz (AEP model) 240 V ac ~, 50/60 Hz (UK model) 110, 120, 220 or 240 V ac, 50/60 Hz (PX model)
Power Consumption:	120 W (US model) 190 W (Canadian model) 310 W (AEP, PX model) 420 W (UK model)
Dimensions:	Approx. 430 (w) x 155 (h) x 340 (d) mm 17 (w) x 6 ¹ / ₈ (h) x 13 ¹ / ₂ (d) inches including projecting parts and controls
Weight:	Approx. 6.7 kg, 14 lb 12 oz (net) Approx. 7.7 kg, 17 lb (in shipping carton)

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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UN TRAMÉ ET UNE MARQUE  SUR LES DIAGRAMMES SCHEMATIQUES, LES VUES EXPLOSÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DES SUPPLÉMENTS PUBLIÉS PAR SONY.

POWER AMPLIFIER SECTION

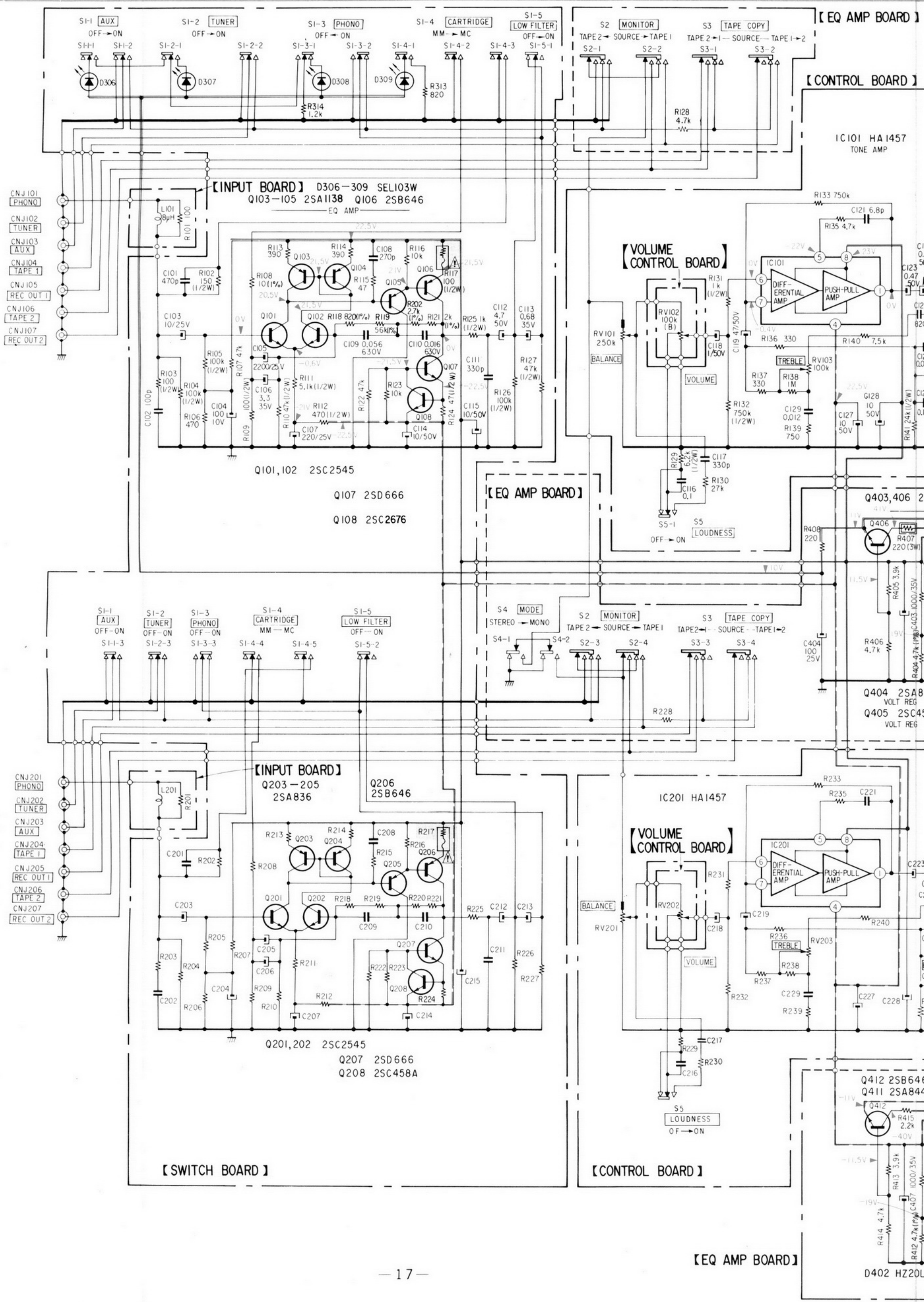
Power Output and Total Harmonic Distortion:	With 8 Ω loads, both channels driven, from 20–20,000 Hz; rated 75 W per channel minimum RMS power, with no more than 0.01 % total harmonic distortion from 250 mW to rated output. (US, Canadian model)
Continuous RMS Power Output: (Less than 0.01 % THD, both channels driven simultaneously)	At 20 Hz–20 kHz 75 W + 75 W (8 Ω) According to DIN 45500 75 W + 75 W (8 Ω) (AEP, UK, PX model)
Power Bandwidth (IHF):	5 Hz – 30 kHz (37.5 W output, 0.01 % THD, 8 Ω) (AEP, UK, PX model)
Harmonic Distortion:	Less than 0.01 % at rated output Less than 0.008% at 10 W output
Intermodulation (IM) Distortion: (60 Hz : 7 kHz = 4 : 1)	Less than 0.01 % at rated output Less than 0.008 % at 10 W output

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SONY
SERVICE MANUAL

4-4. SCHEMATIC DIAGRAM

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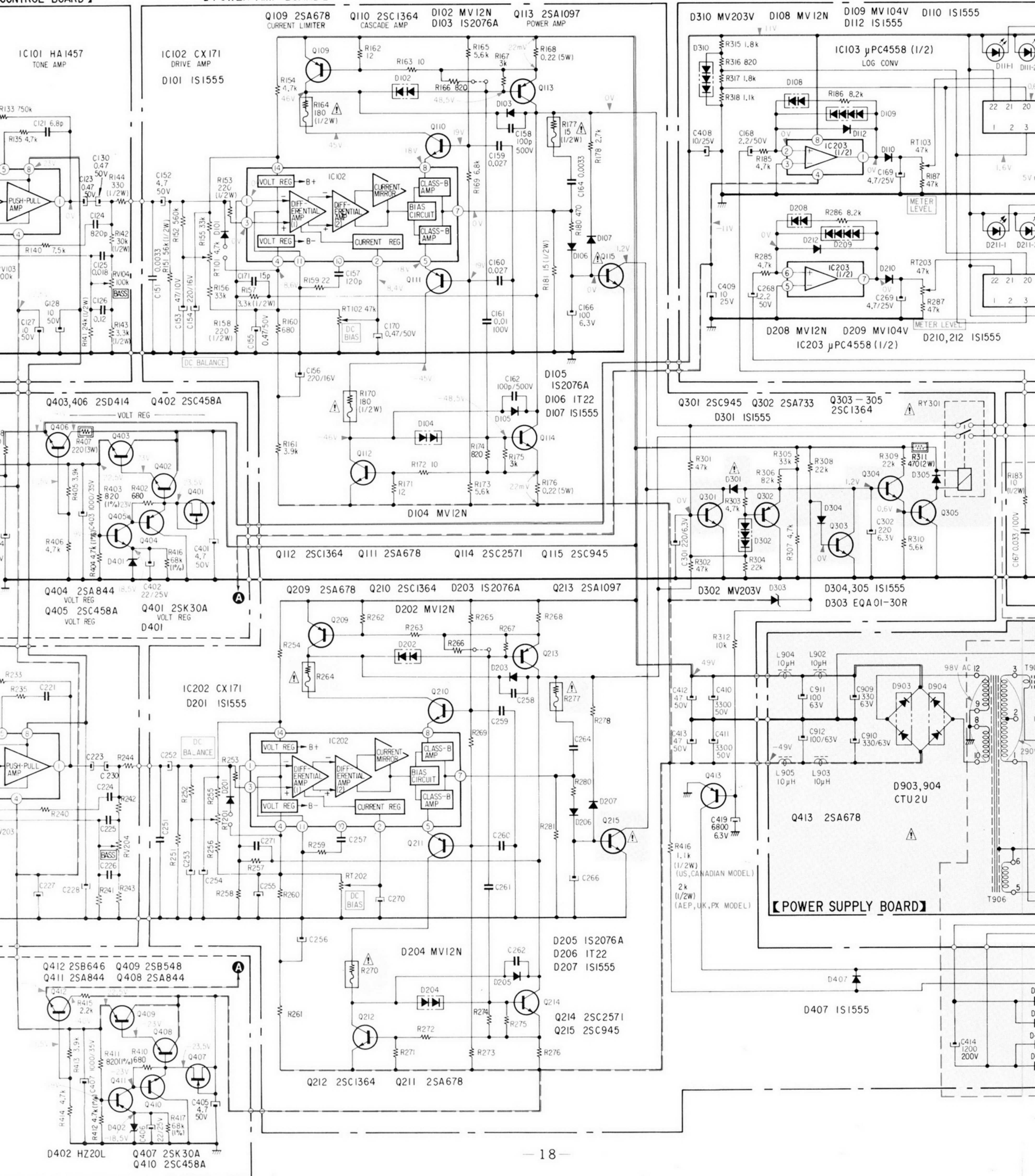


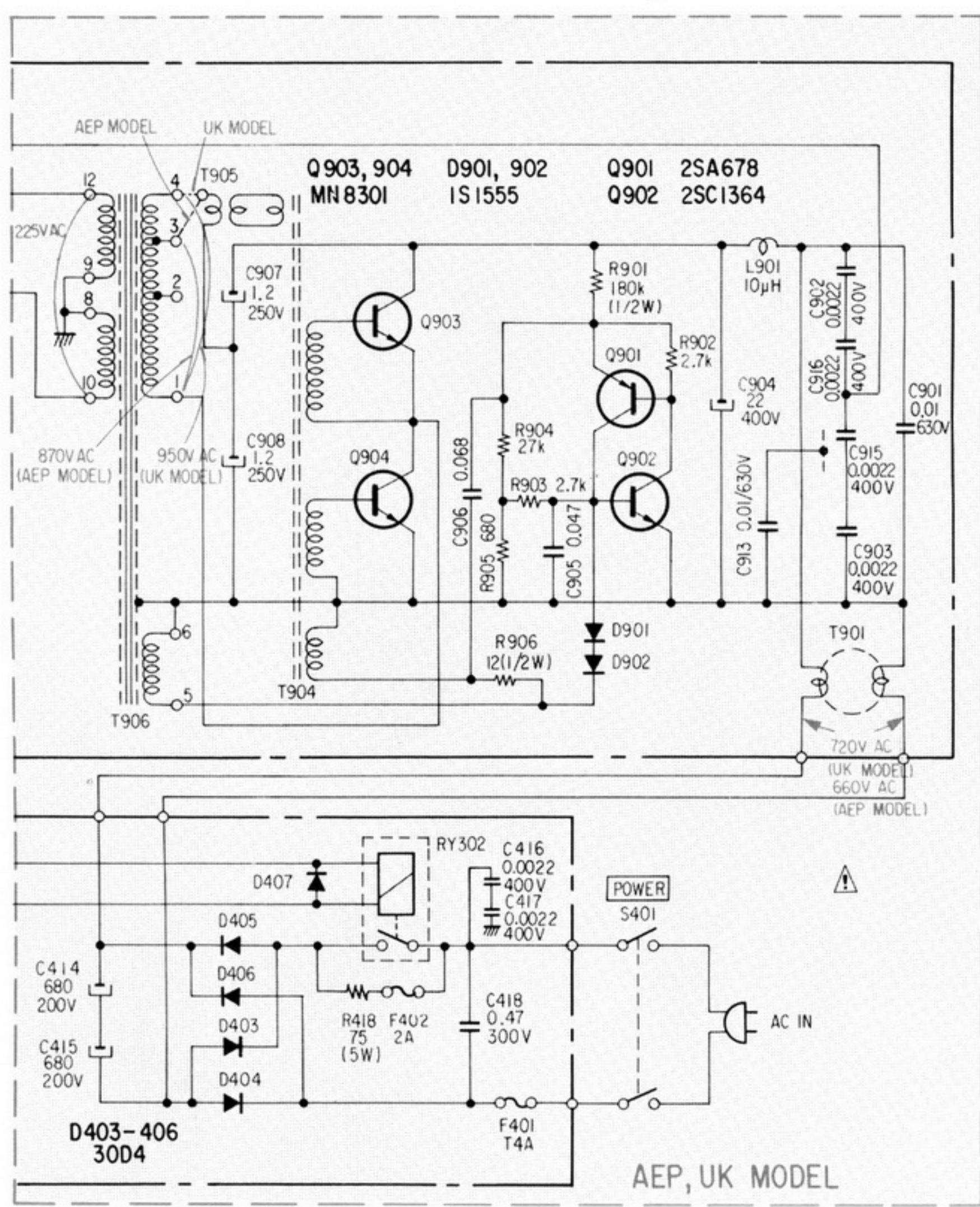
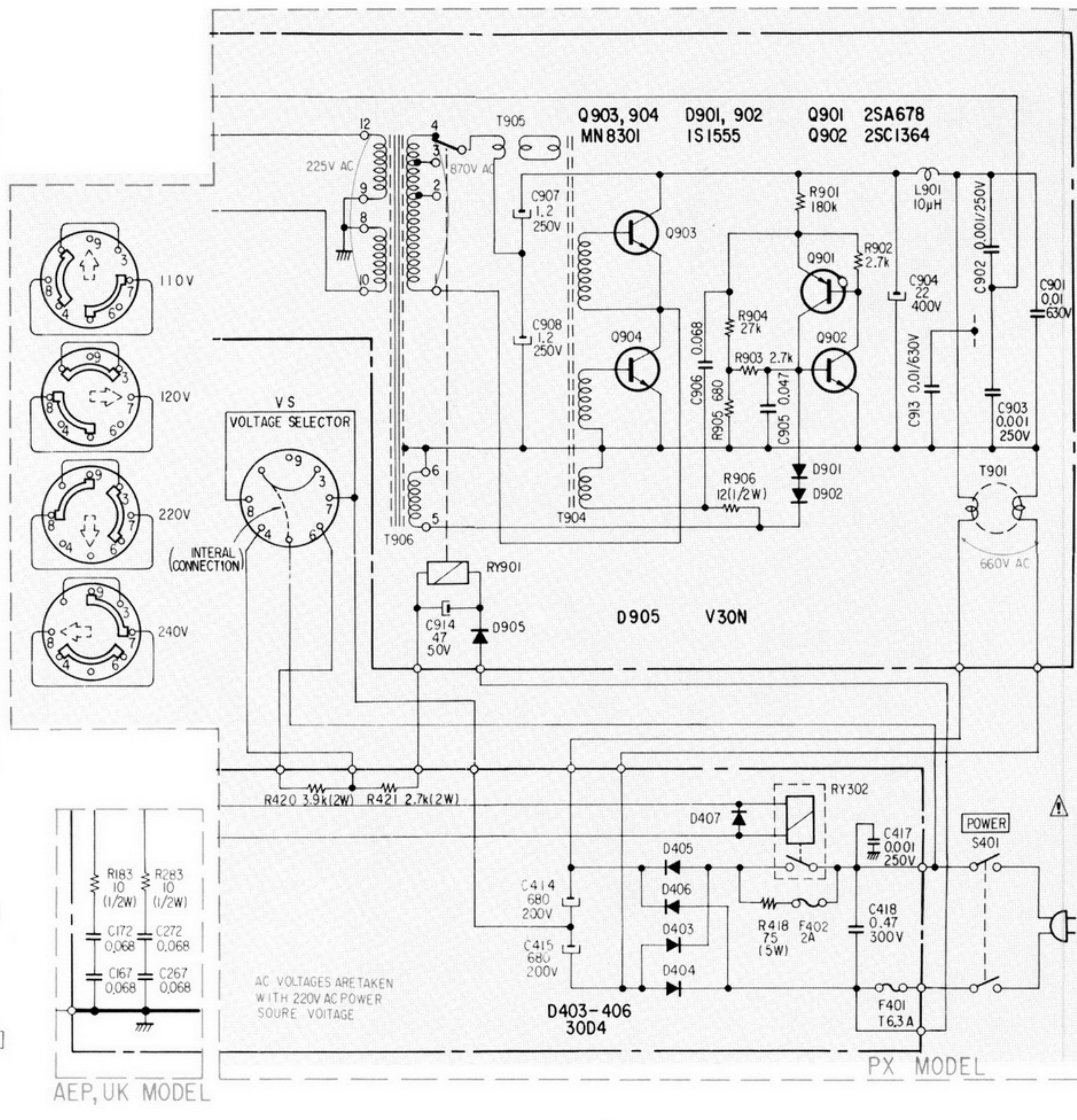
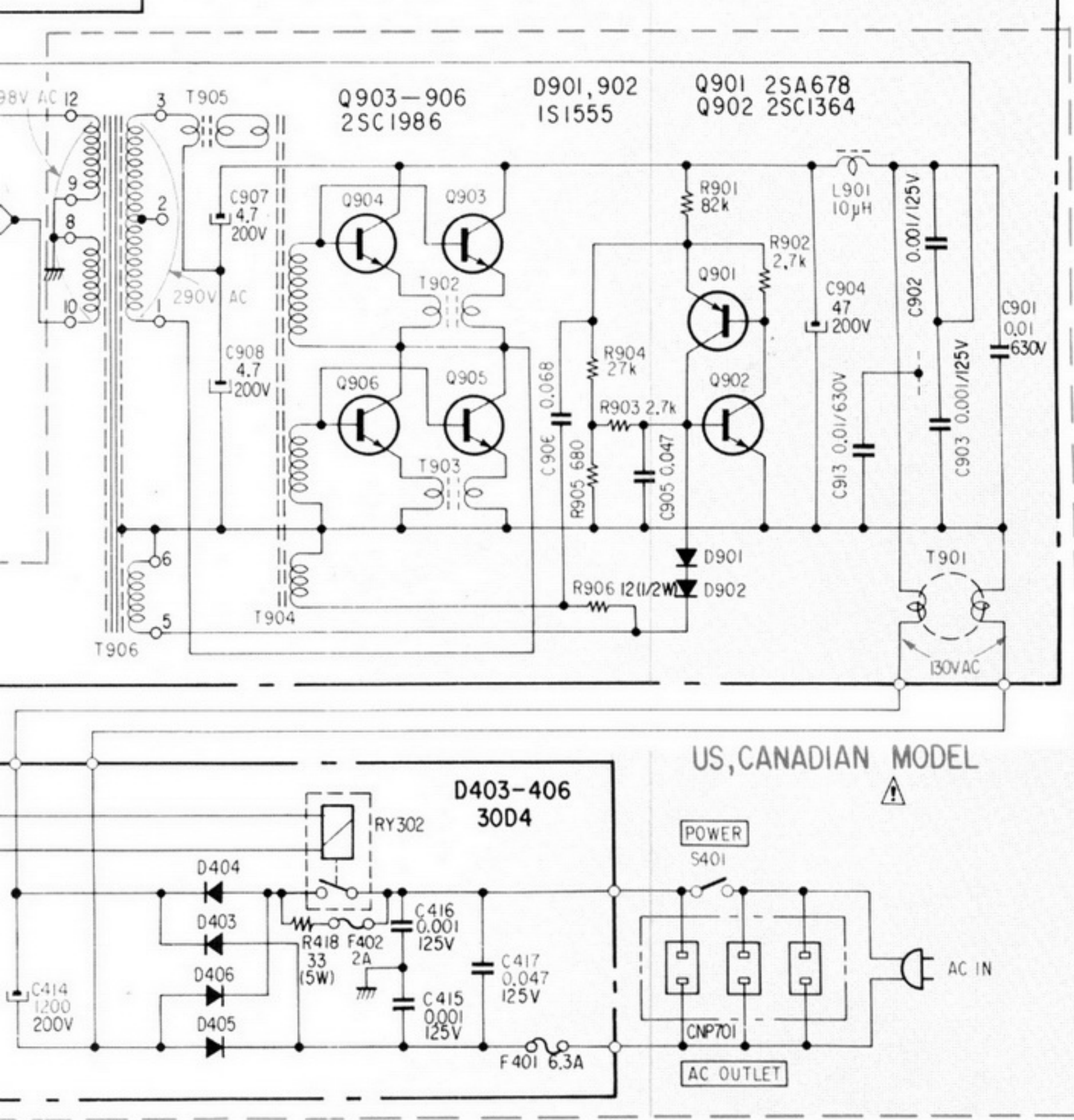
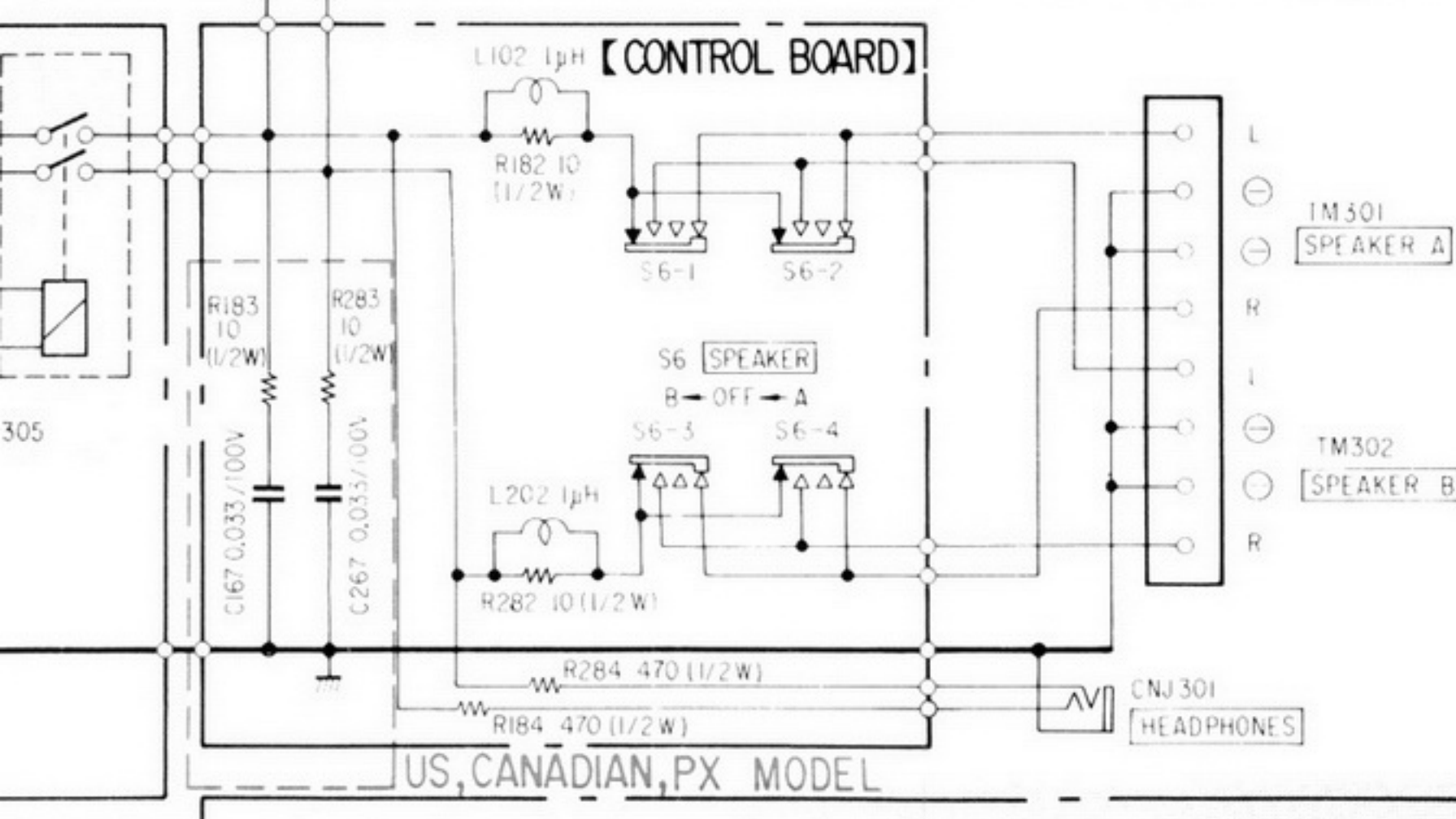
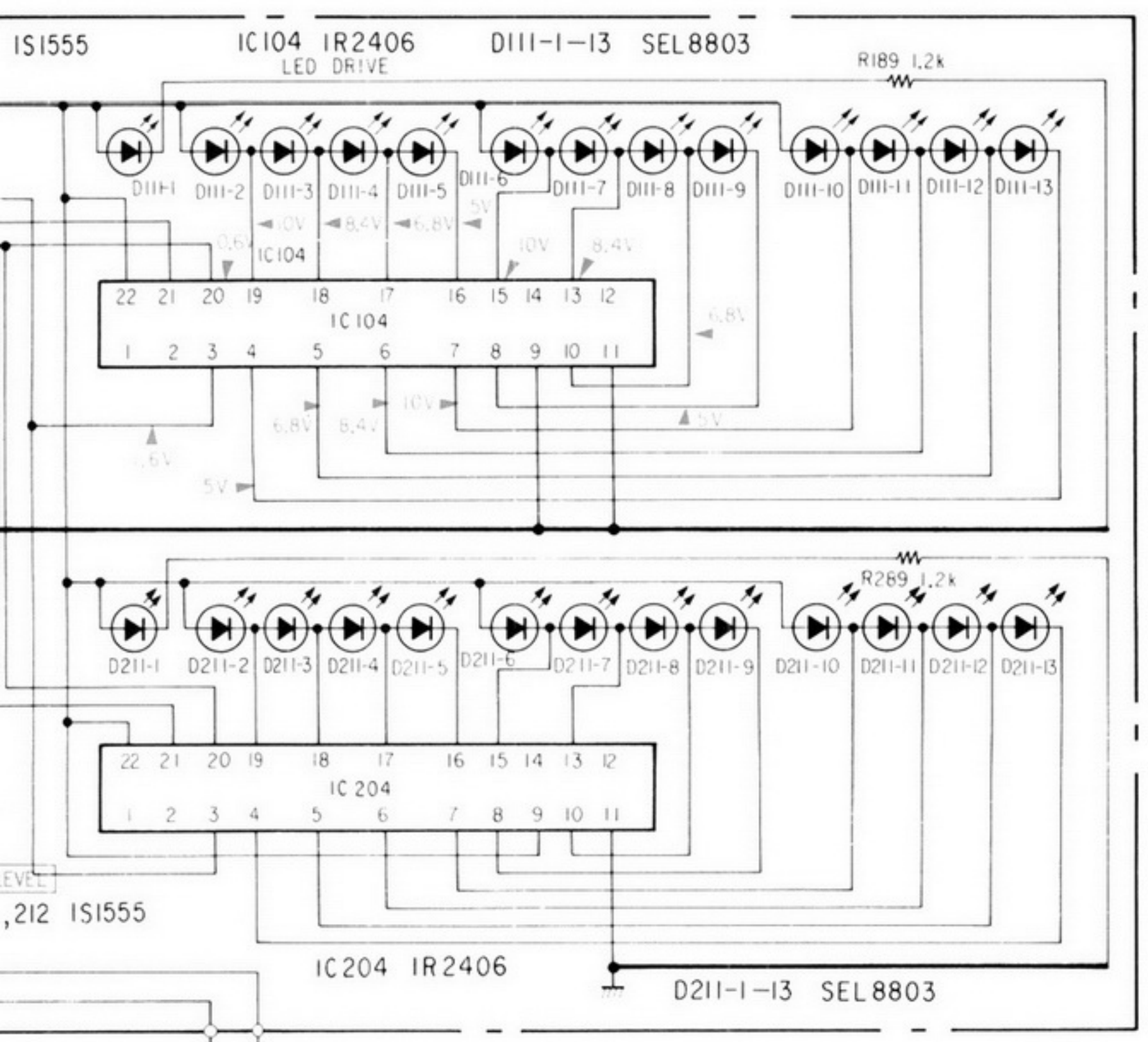
[EQ AMP BOARD]

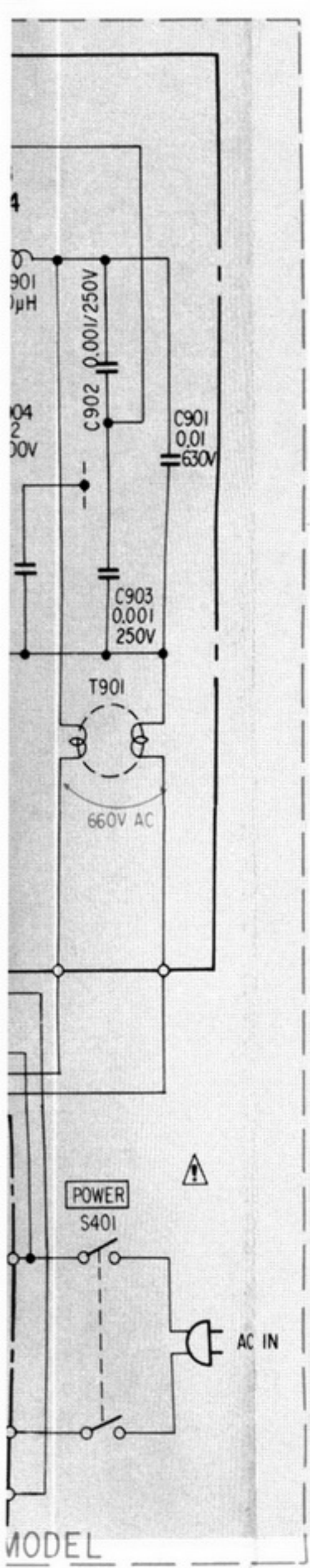
[CONTROL BOARD]

[POWER AMP BOARD]

[LED METER BOARD]








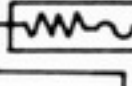



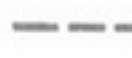
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Note:

- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\mu\text{F}$
50WV or less are not indicated except for electrolytics and tantalum.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted.
 $\text{k}\Omega : 1000 \Omega$, $\text{M}\Omega : 1000 \text{k}\Omega$
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.
-  : adjustment for repair.
- Readings are taken under no-signal conditions with a VOM ($20 \text{k}\Omega/\text{V}$).
-  : B+ bus.
-  : B- bus.

• **Switch**

Ref. No.	Switch	Position
S1-1	AUX	OFF
S1-2	TUNER	OFF
S1-3	PHONO	ON
S1-4	CARTRIDGE	MM
S1-5	LOW FILTER	OFF
S2	MONITOR	SOURCE
S3	TAPE COPY	SOURCE
S4	MODE	STEREO
S5	LOUDNESS	OFF
S6	SPEAKERS	A

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

Note: Les composants identifiés par un tramé et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.