

Service Manual

PIONEER
The Art of Entertainment

● GM-600/UC



ORDER NO.
CRT1322

POWER AMPLIFIER

GM-600

UC, EW

GM-620

ES

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SPECIFICATIONS

Power source	14.4 V DC (10.8 - 15.6 V allowable)
Grounding system	Negative type
Max. current consumption	6.5 A
Dimensions	140 (W) × 32 (H) × 100 (D) mm [5-1/2 (W) × 1-1/4 (H) × 4 (D) in.]
Weight	0.5 kg (1.1 lbs.) (Leads for wiring not included)
Maximum power output	35 W × 2
Continuous power output	18 W × 2 (at 4Ω, 20-20,000 Hz, 0.5% THD)
Load impedance	4Ω (2-8Ω allowable)
Frequency response	10-50,000 Hz (+0 dB, -1 dB)
Signal-to-noise ratio	94 dB (IHF-A network)
Distortion	0.015% (at 10W, 1kHz)
Input level	0.2-2 V/7kΩ

This specification were determined and are presented in accordance with specification standards established by the Ad Hoc Committee of Car Stereo Manufacturers.

Note:
Specifications and the design are subject to possible modification without notice due to improvements.

5. SCHEMATIC CIRCUIT DIAGRAM (UC, ES MODEL)

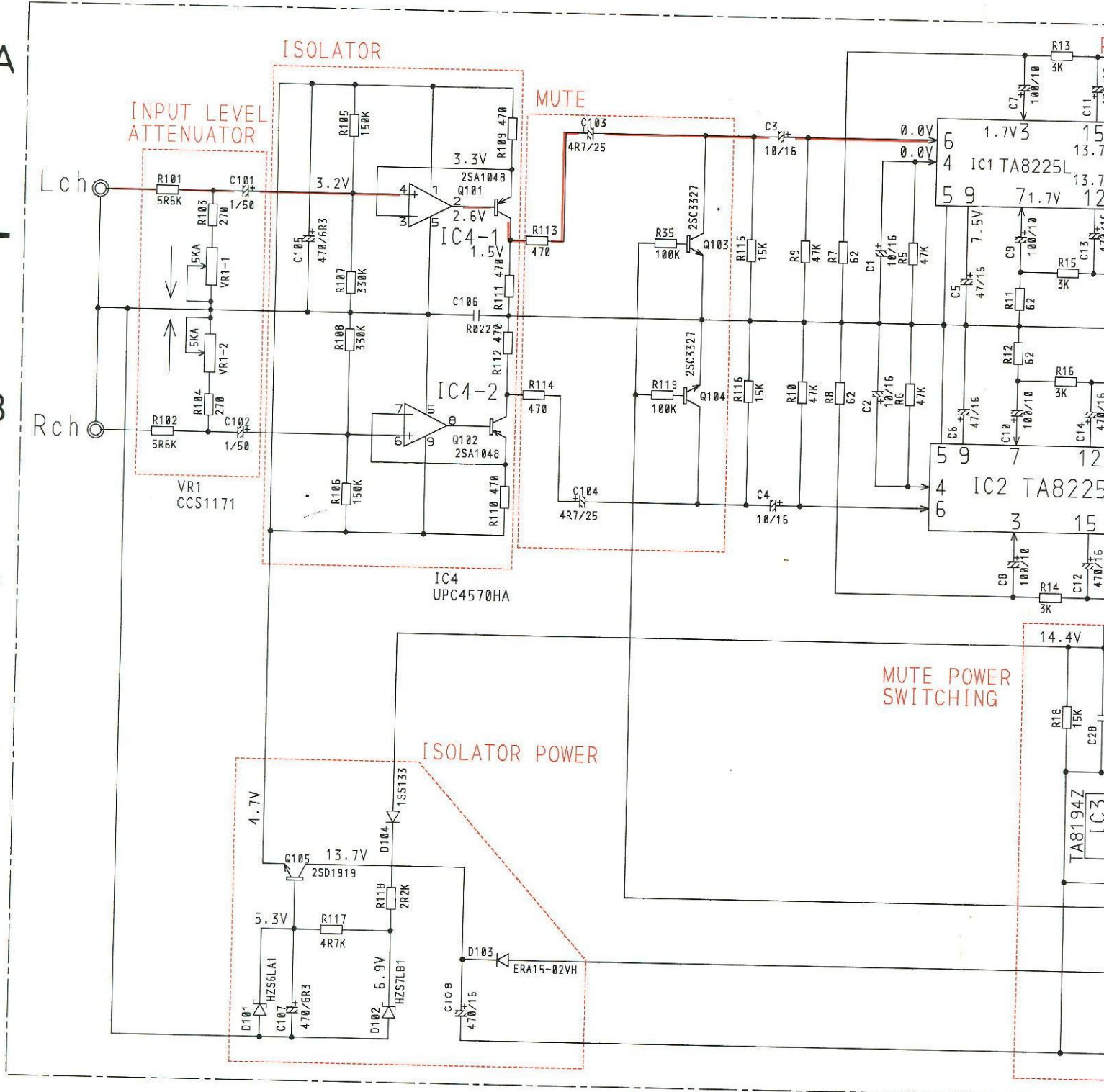
AMP UNIT

A

B

C

D



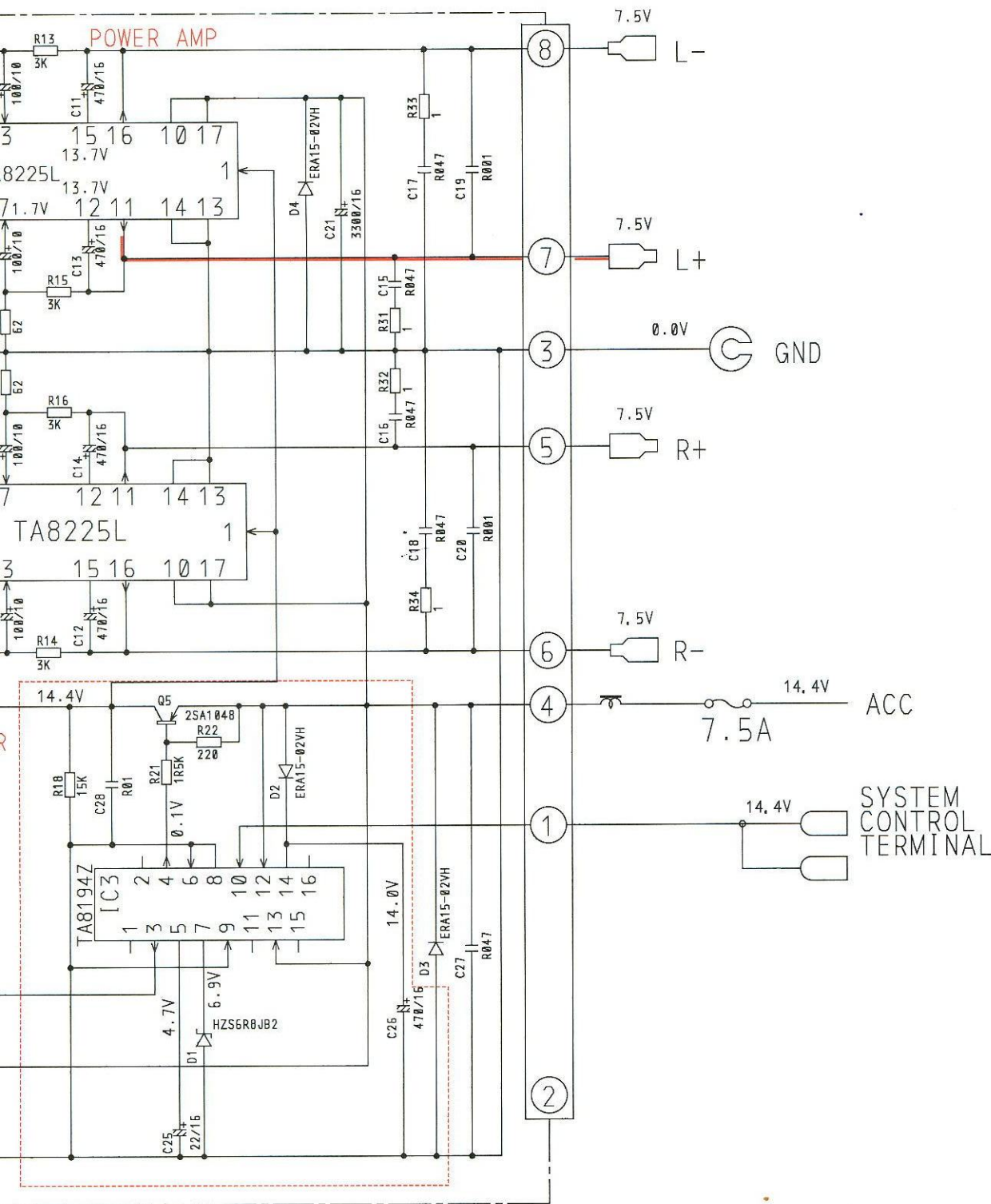
NOTE :

- Symbol indicates a resistor. No differentiation is made between discrete resistors.
- ⊢ Symbol indicates a capacitor. No differentiation is made between discrete capacitors.

4

5

6



A

B

C

D

indicates a resistor.
 Differentiation is made between chip resistors and
 resistors.

indicates a capacitor.
 Differentiation is made between chip capacitors and
 capacitors.

Decimal points for resistor
 and capacitor fixed values
 are expressed as:
 2.2→2R2
 0.022→R022

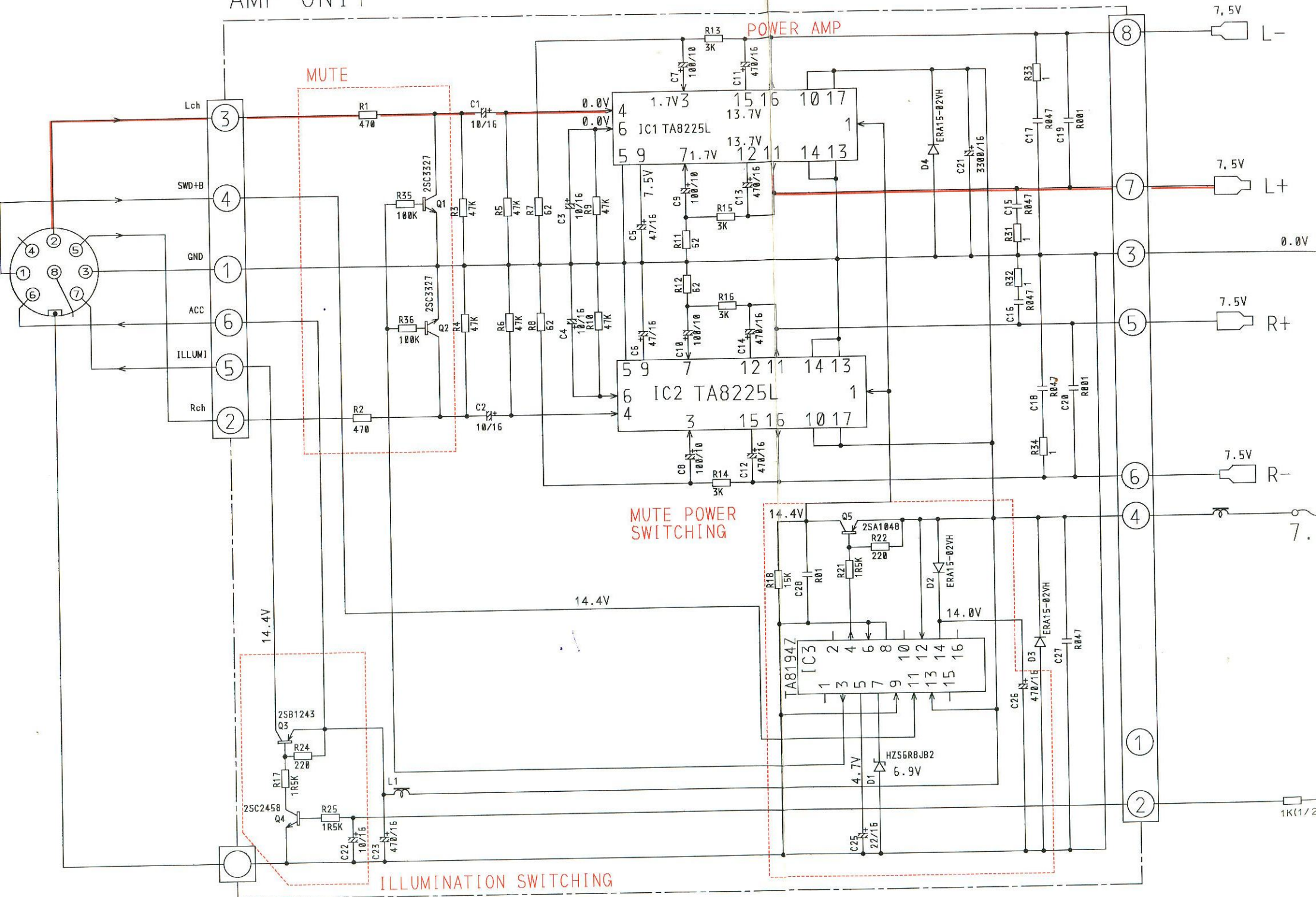
Fig. 5

4

5

6

AMP UNIT



NOTE :
 □ Symbol indicates a resistor.
 No differentiation is made between chip resistors and