

**A3i**

**Integrated  
Amplifier**

**Schematics**

# **Cambridge Audio A3i Integrated Amplifier**

## **SPECIFICATIONS**

### **INPUT SENSITIVITY:**

Phono:	1.75mV
CD:	400mV
Aux/Tuner/Tape:	200mV

**INPUT IMPEDANCE:** 47k $\Omega$

**SPEAKER IMPEDANCE:** 4-16 $\Omega$

**POWER OUTPUT:** 50 watts rms into 8 $\Omega$

**FREQUENCY RESPONSE:** 2Hz to 50kHz (-3dB points)

**CHANNEL SEPARATION:** At 1kHz better than 75dB

**DISTORTION:** Less than 0.05% @ 1 Watt

**SIGNAL: NOISE(A WEIGHTED):** 90dB with 'CD direct'  
80dB via tone controls

**DIMENSIONS (MM):** 90(h) x 430(w) x 300(d)

**VOLTAGE AC:** As specified on rear panel

**POWER CONSUMPTION:** As specified on rear panel

Cambridge Audio's policy is one of continuous improvement. It is possible therefore, that specifications and designs may change without prior notice.

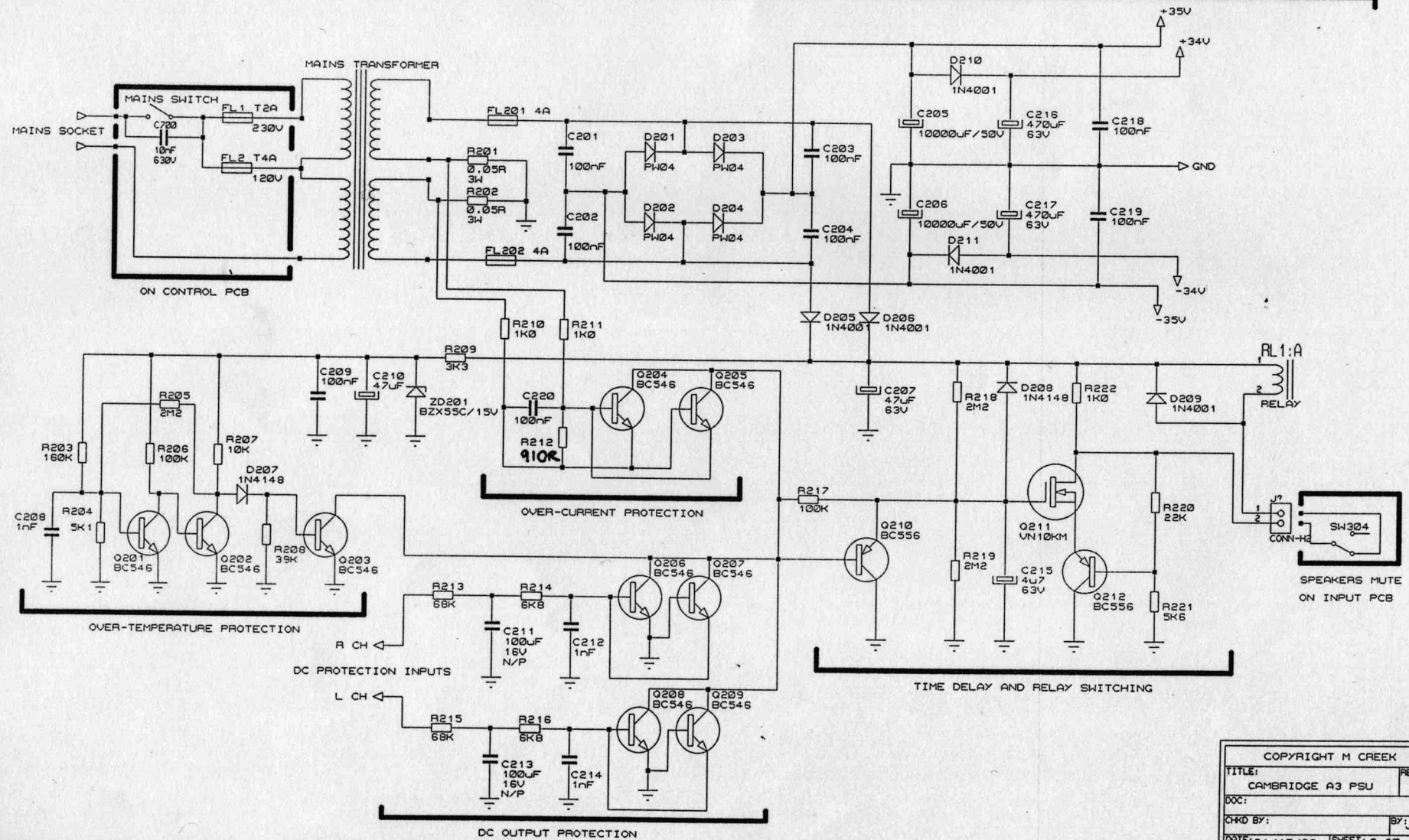
# **Cambridge Audio A3i Integrated Amplifier**

## **BIAS CURRENT SET UP**

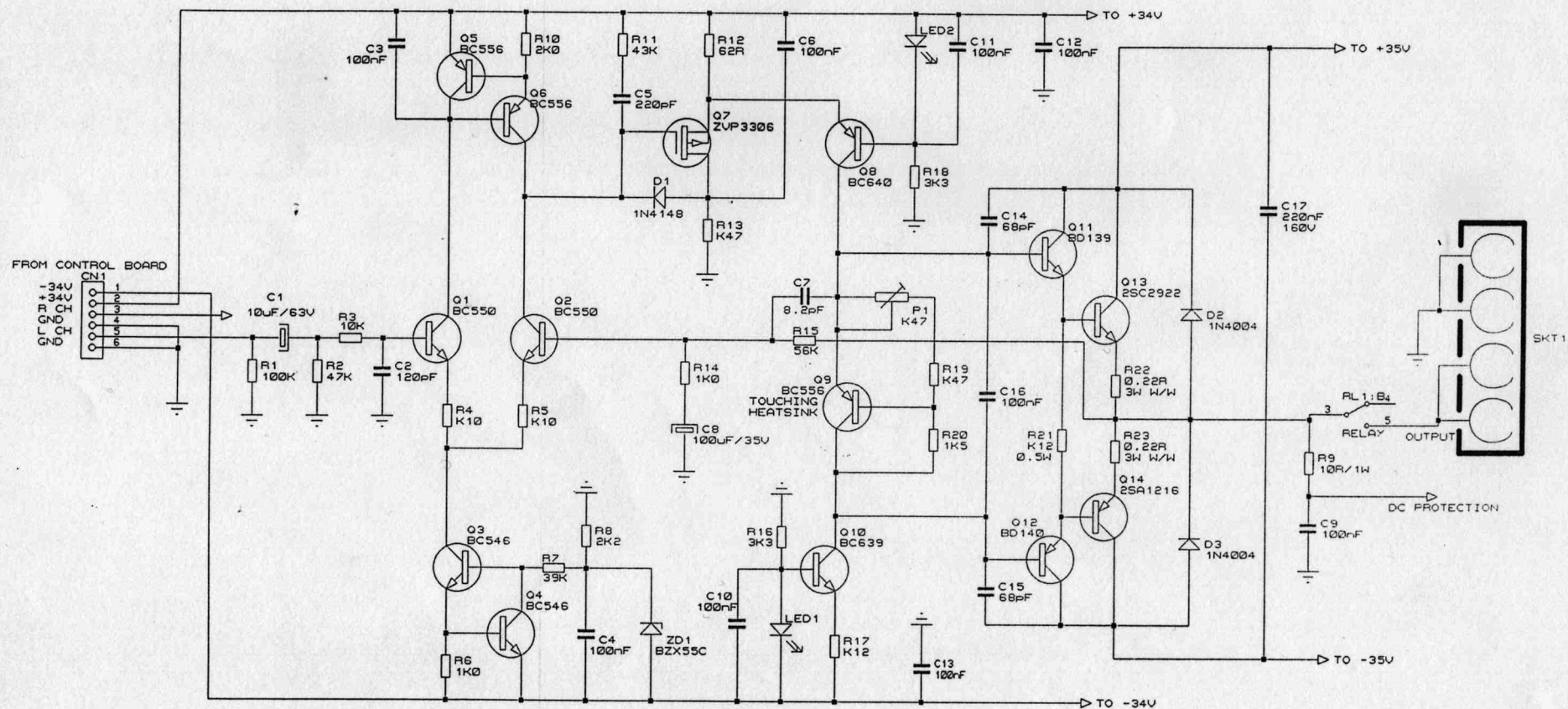
1. Switch on unit and allow to stand for 5 minutes, ensure volume control is at a minimum
2. a. With DC voltmeter connected across R23 reading should be 12mV +/- 1mV, adjust with P1 as necessary.  
b. Measure voltage across R123 and adjust with P101
3. Repeat instructions 2a and 2b until readings are stable over a period of 5 minutes. (There is a thermal delay between adjusting the bias current and the reading stabilising).



SAFETY CRITICAL



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TITLE:	REV:
CAMBRIDGE A3 PSU	
DOC:	
CHKD BY:	BY: JBB
DATE: 21/10/98	SHEET: 3 OF 3



LEFT CHANNEL ONLY SHOWN  
FOR RIGHT CHANNEL ADD 100 TO DESIGNATION

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TITLE:	CAMBRIDGE A3 POWER AMP
DOC:	
CHKD BY:	BY: JBB
DATE: 23/10/96	SHEET: 2 OF 3