

MAIN P.C. BOARD
Top View

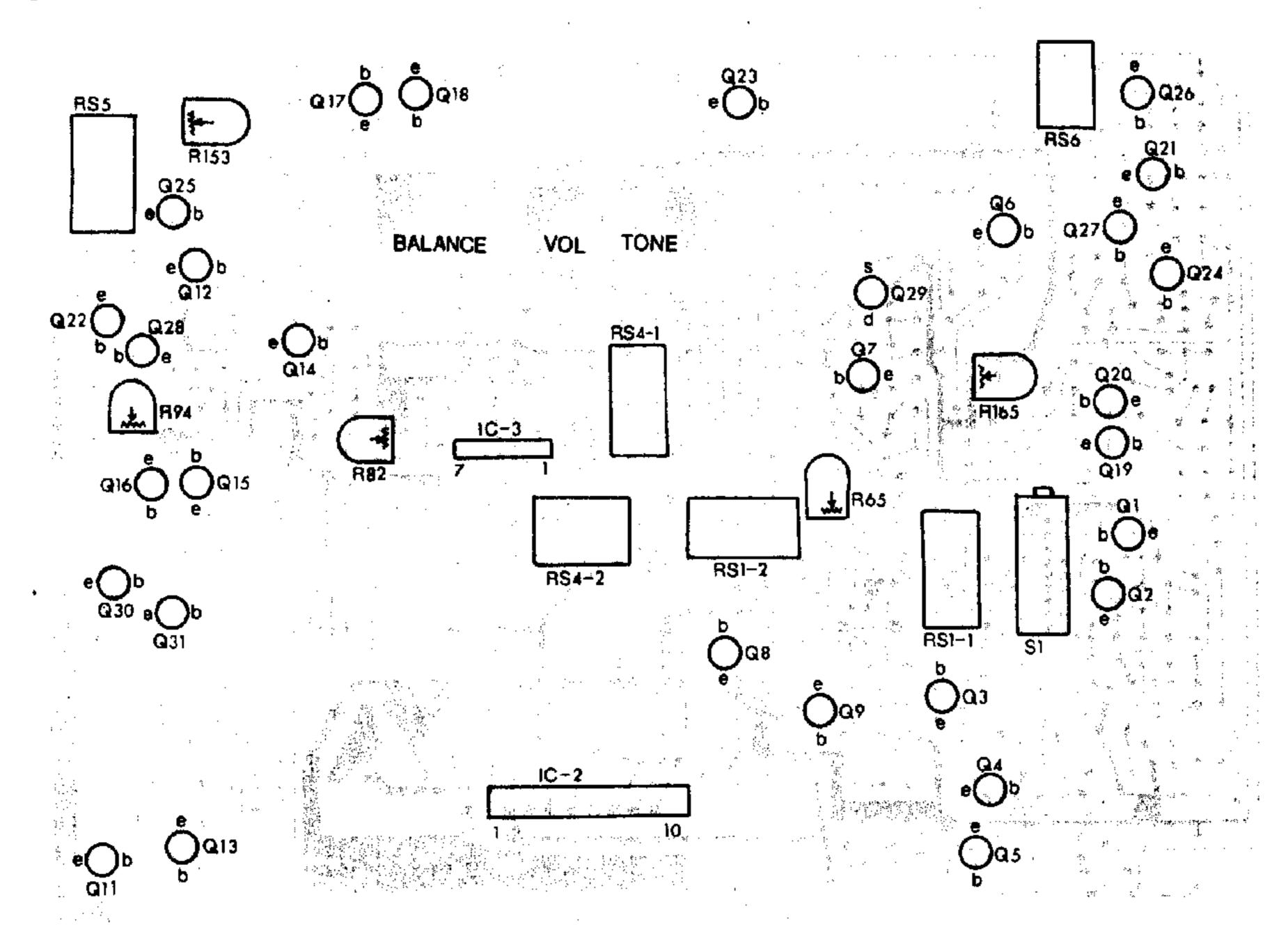
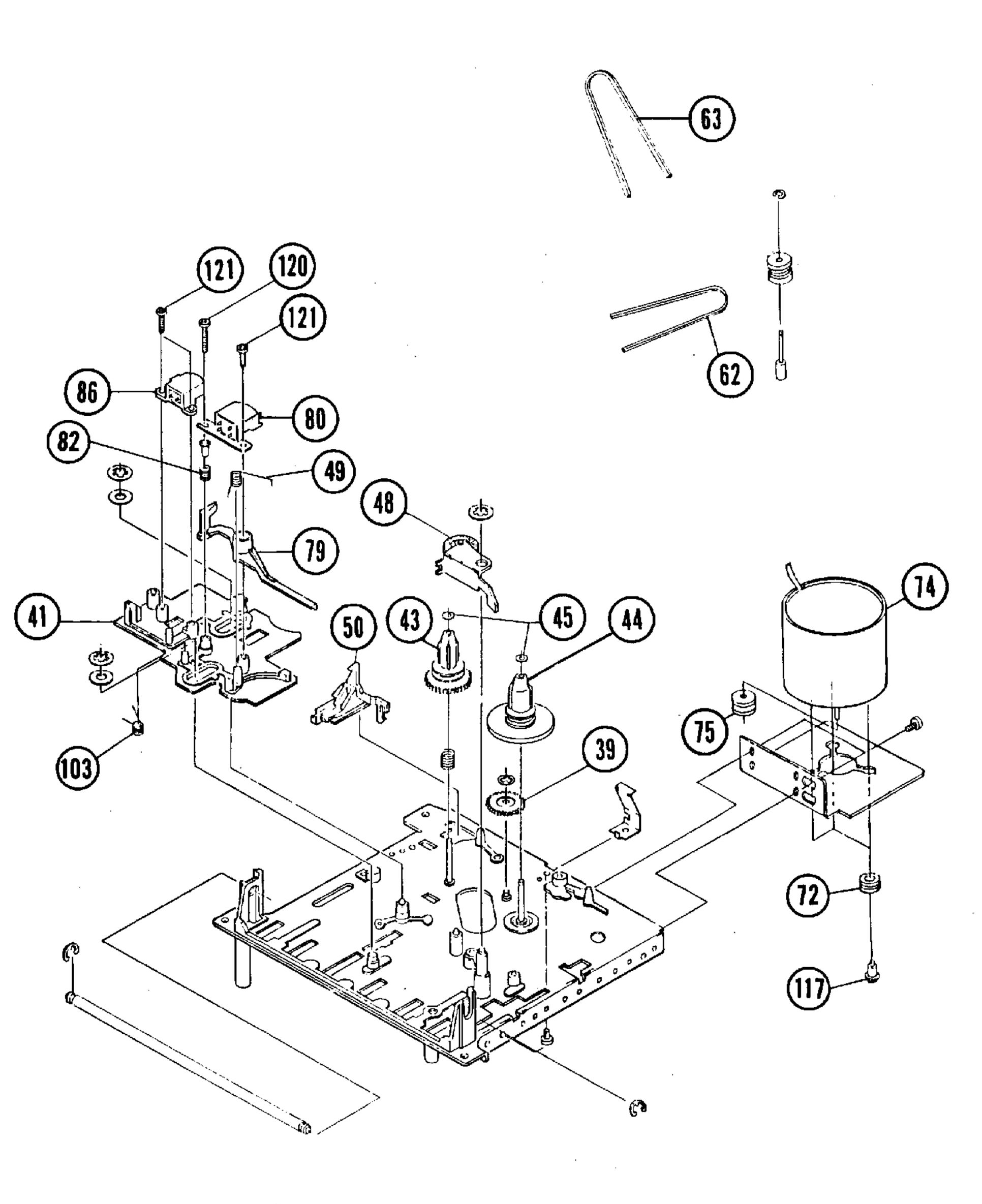


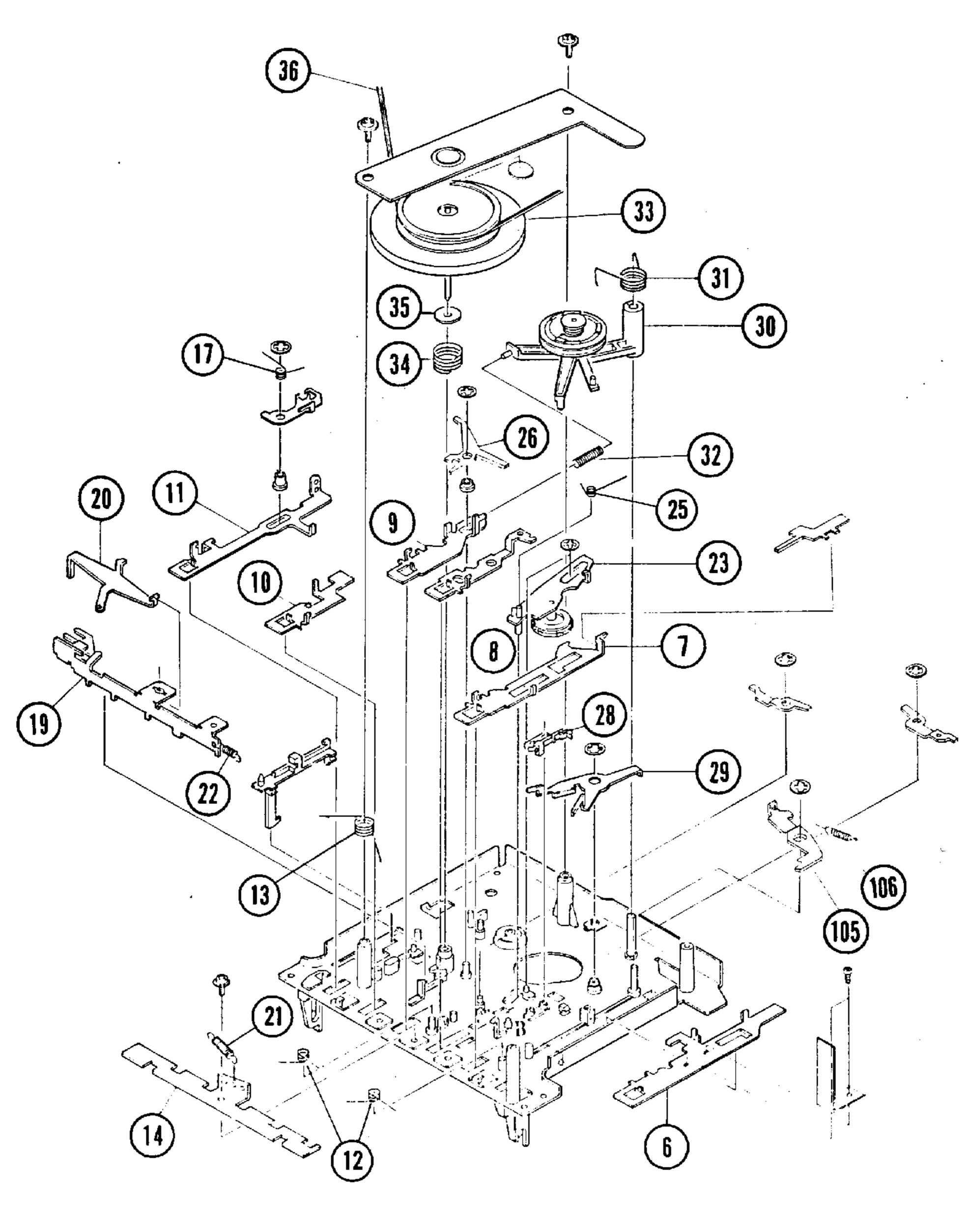
Figure 1. Selected Component Layout Bottom View

JACK	CONNECTS TO
J1	J8
J2	Record / Play Head 1 (Audio)
J3	Aux Out Jack
J4	PA/Mon Switch and Level Meter
J5	Limiter Switch
J6	Audio Record, Sync Enable, and 50 Hz/1000 Hz Swiches
J7	Visual Advance, Stop/Restart, and Audio Record Switches
J8	J1
J9	Record / Play Head 2 (Sync)
J10	150 Hz Mode Switch
J11	Limiter and PA/Mon Switches
J12	Mic In and Aux In Jacks
J13	Visual Advance on Proj Out Jack
J14	Sync Out Jack
J15	Sync In Jack
J16	150 Hz Mode Switch, Remote In Jack
J17	Erase Head (Audio and Sync)

Table 1. Destination of Jacks



TRANSPORT MECHANISM
Top Side



TRANSPORT MECHANISM
Bottom Side



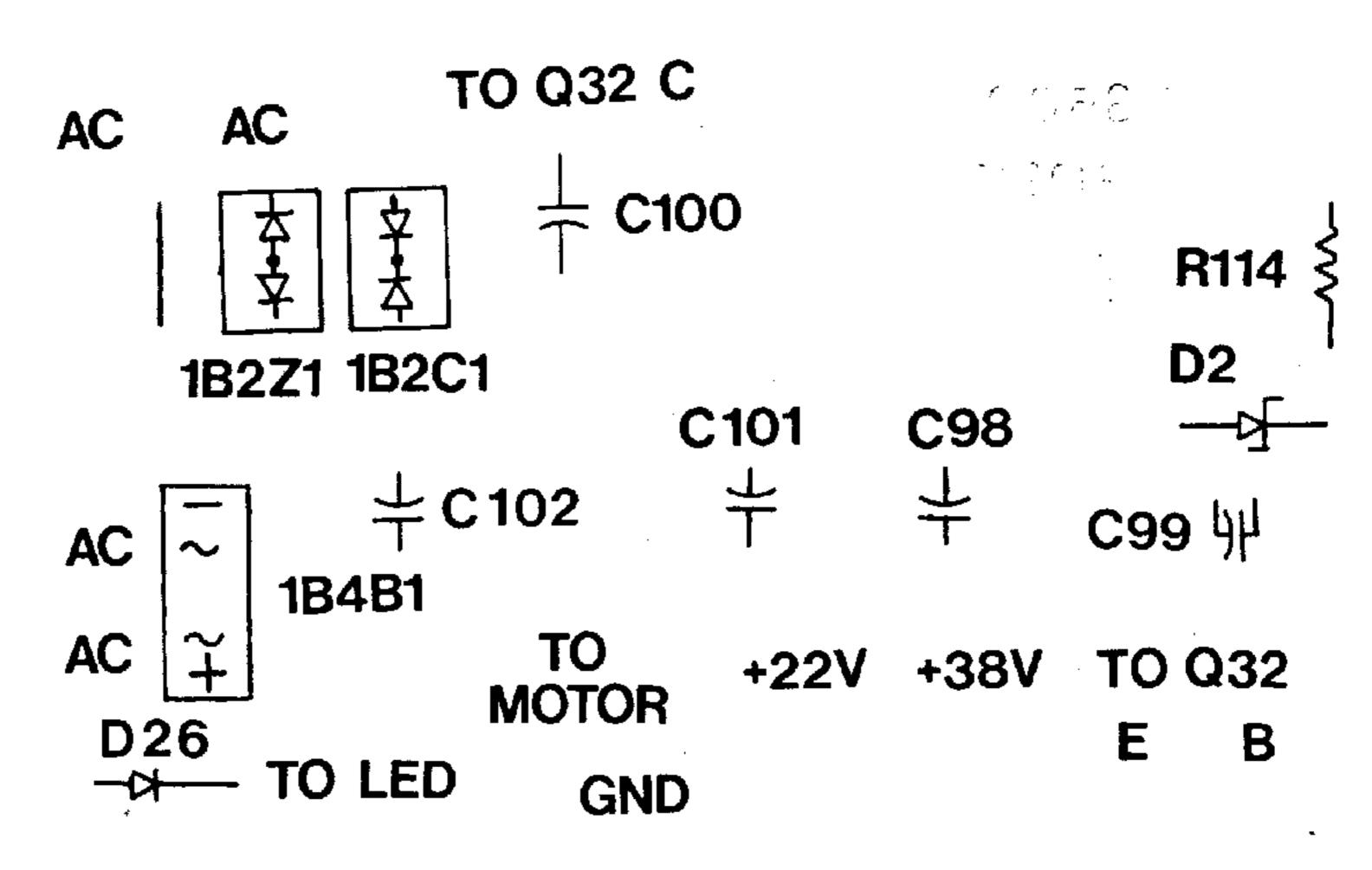


Figure 2. Power Supply P.C. Board

INTERNAL ADJUSTMENTS



1. Record Bias Adjustment

- A. Connect one lead of an AC voltmeter (response to 50 kHz) between junction of R65 and R18. Connect other lead to ground.
- B. Depress Audio Record pushswitch. Insert blank cassette and depress Record and Play buttons.
- C. Adjust R65 to indicate 8V-10V RMS.

2. Sync Playback Level

- A. Insert MTT-212 test tape (0 dB = 250 πW/m) into cassette compartment.
- B. Connect AC Voltmeter to SYNC AUX OUT jack.
- C. Depress Play button.
- D. Adjust R82 to indicate 0.5 V RMS.

3. 150 Hz Bandpass Filter/Oscillator Tuning

- A. Connect a 39K ohm ¼ W resistor between + lead of ZD 1 and + lead of C61.
- B. Depress Sync Enable pushswitch and 50 Hz/ 1000 Hz pushswitch (to 1000 Hz position).
- C. Connect Frequency Counter to collector of Q16.
- D. Adjust R94 to indicate 150 Hz.

- 4. 50 Hz Bandpass Filter/Oscillator Tuning
 - A. Connect a 39K ohm ¼ W resistor between + lead of ZD1 and + lead of C87.
 - B. Depress Sync Enable pushswitch and set 50 Hz/1000 Hz pushswitch to 50 Hz (up) position.
 - C. Connect Frequency Counter to collector of Q20.
 - D. Adjust R165 to indicate 50 Hz.

1 kHz Bandpass Filter/Oscillator Tuning

- A. Connect a 39 K ohm ¼ W resistor between + lead of ZD1 and + lead of C78.
- B. Depress Sync Enable pushswitch and 50 Hz. 1000 Hz pushswitch (to 1000 Hz position).
- C. Connect Frequency Counter to collector of Q18.
- D. Adjust R153 to indicate 1 kHz.

