

Quick Reference Guide to Teac A-6300:

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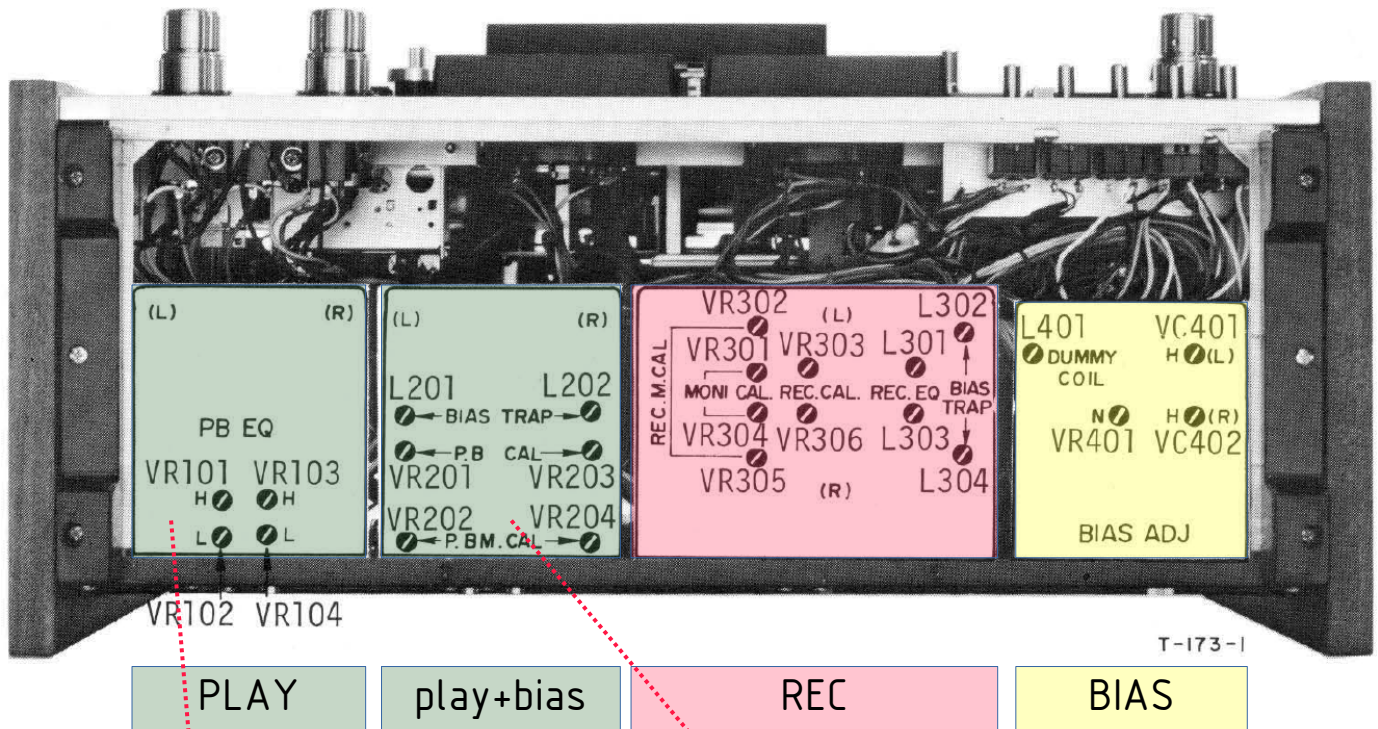
THIS IS A WORK IN PROGRESS AND WILL BE UPDATED SHORTLY



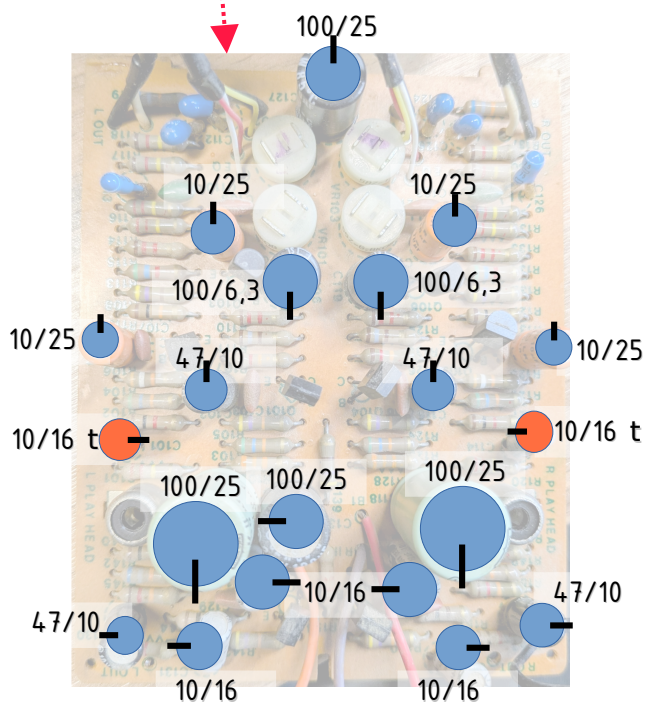
POWER SUPPLY CHECK AND ADJUSTMENT

1. Place the power switch to the ON position.
2. Connect a VTVM across C-5.
3. Check the voltage and adjust VR-1 for +24V DC.

Another header



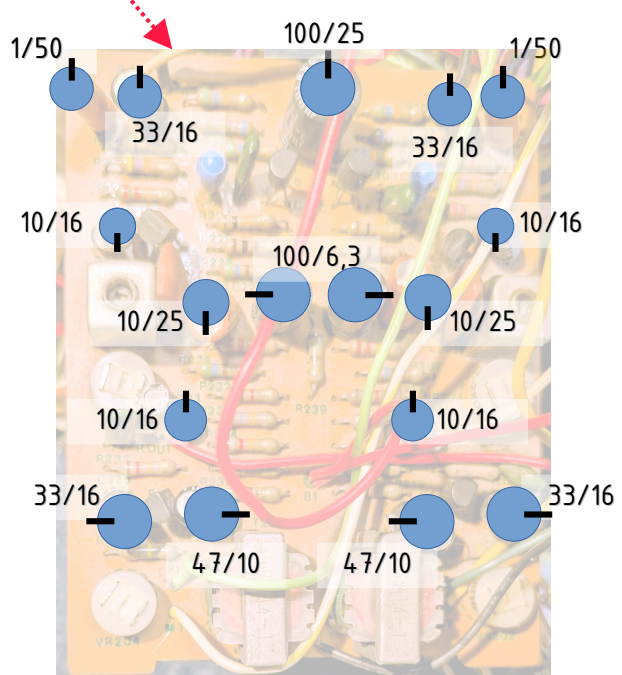
Caps on Playback EQ Amplifier Board - Line Out/Phone Amp+BIAS Trap+Meter



Totals list: (18x)

10/25	8x
47/10	4x
100/25	6x

orange caps are 'tantalum'



Totals list: (17x)

1/50	2x
10/25	6x
33/16	4x
47/10	2x
100/25	3x

BIAS board:

220/35 1x
(this one can't be missed
so no picture)

Adjustments and calibrate instructions

- 1) Playback head azimuth for *both* directions
- 2) Specified output level setting
 - a) OUTPUT to MAX, play reference level
 - b) adjust VR201/203 to obtain -2 dB at output
 - c) align the reference marks on the controls at the 2 o'clock position. Check for -8 dB output
 - d) readjust VR201/203 for -8 dB level at output this is the specified output setting, leave it
- 3) VU meter calibration
 - a) METER in NORMAL position
 - b) play reference level tone from caltape
 - c) adjust VR202/204 for 0 VU on lower scale of meter
- 4) Frequency response
 - a) tape speed LOW, adjust VR101/103 for equal reproduction
 - b) tape speed HIGH, adjust VR102/104 for equal reproduction
 - c) repeat for **REVERSE** play, performance should be identical
- 5) Minimum input level setting
 - a) MONITOR: SOURCE, RECORD MODE: ON, EQ + Bias switches in #1 position
 - b) apply 400 Hz -18 dB
 - c) turn line inputs to MAX, adjust VR301/304 to obtain -8 dB at output
- 6) VU meter level set
 - a) MONITOR: SOURCE, METER: NORMAL
 - b) apply 400 Hz -8 dB
 - c) adjust VR302/305 for 0 VU on the meter
- 7) Bias trap adjust
 - a) place BIAS switch in #1 position, RECORD MODE: ON, press REC and PAUSE
 - b) connect VTVM meter to test points, see diag. →
 - c) adjust L302/304 for minimum reading
- 8) Bias adjust
 - a) SPEED: **LOW**, MONITOR: TAPE, REC BIAS pos #1
 - b) start recording on empty reel
 - c) apply 7 kHz at -18 dB
 - d) adjust VC401/402 for 3 dB overbias after peak
- 9) Record head azimuth: use 10 kHz -20 dB
- 10) Record level set
 - a) set line input controls at specified input level **se**
 - b) apply 400 Hz -8 dB, SPEED: **HIGH**, MONITOR: TAPE
 - c) adjust VR303/306 for -8 dB at output
- 11) Overall freq. response
 - a) BIAS SWITCH: #1, EQ SWITCH 1, SPEED: **HIGH**
 - b) record sweep 30-26 kHz at -28 dB, adjust L301/303 for best response
 - c) BIAS SWITCH: #2, SPEED: **LOW**. sweep 40-22 KHz and adjust VR401 if required

