

ALIGNMENT 3015A

TANDBERG

1. Adjusting the DC offset:

Connect a special cable to the audioboard as shown in the diagram. Don't turn the main switch on before you have connected the cable.

Connect a DC voltage meter at testpoint J102 (black wire) and adjust with R114 to 0 mV (± 0.10 mV). Put the meter at testpoint J202 (black wire) and adjust with R214 to 0 mV (± 10 mV).

Then adjust the DC offset in the headphoneamp.

Connect a DC voltage meter at J180-1 (right side) and adjust with R166 to 0 mV (± 10 mV). Put the meter at testpoint J180-3 (left side) and adjust with R266 to 0 mV (± 10 mV). Repeat this procedure until you get the right result. Disconnect the special cable.
2. Put TEST SAMPLE 3 in the machine and check all operative functions.
3. Connect an AC voltage meter at the output term, and a headset at the headphone output. Start TRACK 1 and check the result at both outputs.
4. Check level and frequency response on left channel at TRACK 2 (2V $\pm 0,3$ dB) 2 - 20.000 Hz.
5. Check level and frequency response on right channel at TRACK 3 (2V $\pm 0,3$ dB).
Connect distortion meter at the output term.
6. Check distortion on left channel at TRACK 7 ($\leq 0,005\%$).
7. Check distortion on right channel at TRACK 11 ($\leq 0,005\%$).
8. Connect a S/N meter to the output term, and check the S/N at both channels.
TRACK 18 (- 100dBa).
9. Connect a scope at the output term, and look at the pulses at TRACK 23 on left channel and TRACK 24 on right channel.
10. Adjusting the distortion at the headphone output:

Connect a special cable at the headphone output. Connect the distortion meter to this cable and turn the headphone volume to maximum. Start TRACK 7, adjust with R181 to minimum distortion at left channel and with R281 to minimum distortion at right channel ($\sim 0,5\%$).

Disconnect the cables.