

TANDBERG® TPA 3006A

Installation Instructions

Mounting the phase inverter (bridge-board). From serial No. 970

Remove the top and bottom covers.

Disconnect P201.

Remove R228 from right channel amplifier board.

Connect P201 to J1 on the bridge board.

Thread the red and blue wire from the bridge board through the chassis holes and connect the wires to the solder side on right channel amplifier board.

Solder the red wire to the emitter on Q224 (+ 74 V) and the blue one to the emitter on Q225 (- 74 V).

Connect the black wire on the bridge board to the ground side of R228 (removed) and the red wire to the hot side of R228 (removed).

Place the bridge board near the C201 and mount the bridge board on the chassis as shown in the drawing.

Place the label near the loudspeaker terminals.

Move the grey shielded wire* from the left and solder the wire on the right input on Input board.

* If you do not move the shielded wire, the amplifier will run as a mono amplifier having a differential input (i.e. a balanced symmetrical input).

Adjustment

Adjust R8 on the bridge board to minimum distortion without load. Measure at 1 kHz with 12 V output across right channel output terminal.

Check the dc level on right channel output terminal, adjust R215 for zero reading if necessary.

Check left and right channel amplification, and adjust R12 on the bridge board for equal amplification in both amplifiers.

Replace the top and bottom covers.

Specifications

THD for 400 watts into 8 ohms:	< 0.02%
Output power at 1 kHz into 16 ohms:	300 W
Output power at 1 kHz into 8 ohms:	435 W
Output power at 1 kHz into 4 ohms:	520 W
Sensitivity for 400 watts into 8 ohms:	900 mV
Clipping sensitivity /8 ohms:	1.02 V

- Loudspeaker nominal impedance should be minimum 8 ohms for optimum performance.
- Forced cooling must be employed when the amplifier is run continuously at high output level. (I.e. a fan must be used to circulate the air through the chimney heatsinks).

