

Bias Procedure for Blackstar

The following will show the bias test points, correct bias voltage(s), and bias balance procedure for the HT and Series One lines of Blackstar Amplifiers.

**Before starting, make sure you plug a ¼” cable into the input jack
(**Except on the HT5**)**

Also, all volume and tone controls should be set to “ZERO” and all switches should be in their “OUT” position

HT5 – Adjust bias control for a reading of 46mV across D20

HTSTUD20 – Adjust bias control for a reading of 12V across R221

HTCLUB40C – Adjust bias control for a reading of 50mV across D36

HTSTAGE60C – Adjust bias control for a reading of 50mV across D27

HTSOLO60C – Adjust bias control for a reading of 50mV across TP1 and TP7

HT100H – Adjust bias control for a reading of 100mV across D27

S145 – Adjust bias control for a reading of 50mV across CON1

S1100 – Adjust bias control for a reading of 100mV across CON1

S1200 – Adjust bias control for a reading of 100mV across D22

S1104EL34 – Adjust bias control for a reading of 100mV across D22

S11046L6 – Adjust bias control for a reading of 100mV across D22

Bias Balance Procedure

- 1) Set amplifier to CLEAN CHANNEL
- 2) If there is a tone control(s), set these to 12 o'clock
- 3) Set Channel and Master Volume controls fully clockwise
- 4) Using a 1kHz input signal, drive the output waveform into saturation (full clipping)
- 5) Adjust Bias Balance potentiometer so that the output waveform clips symmetrically