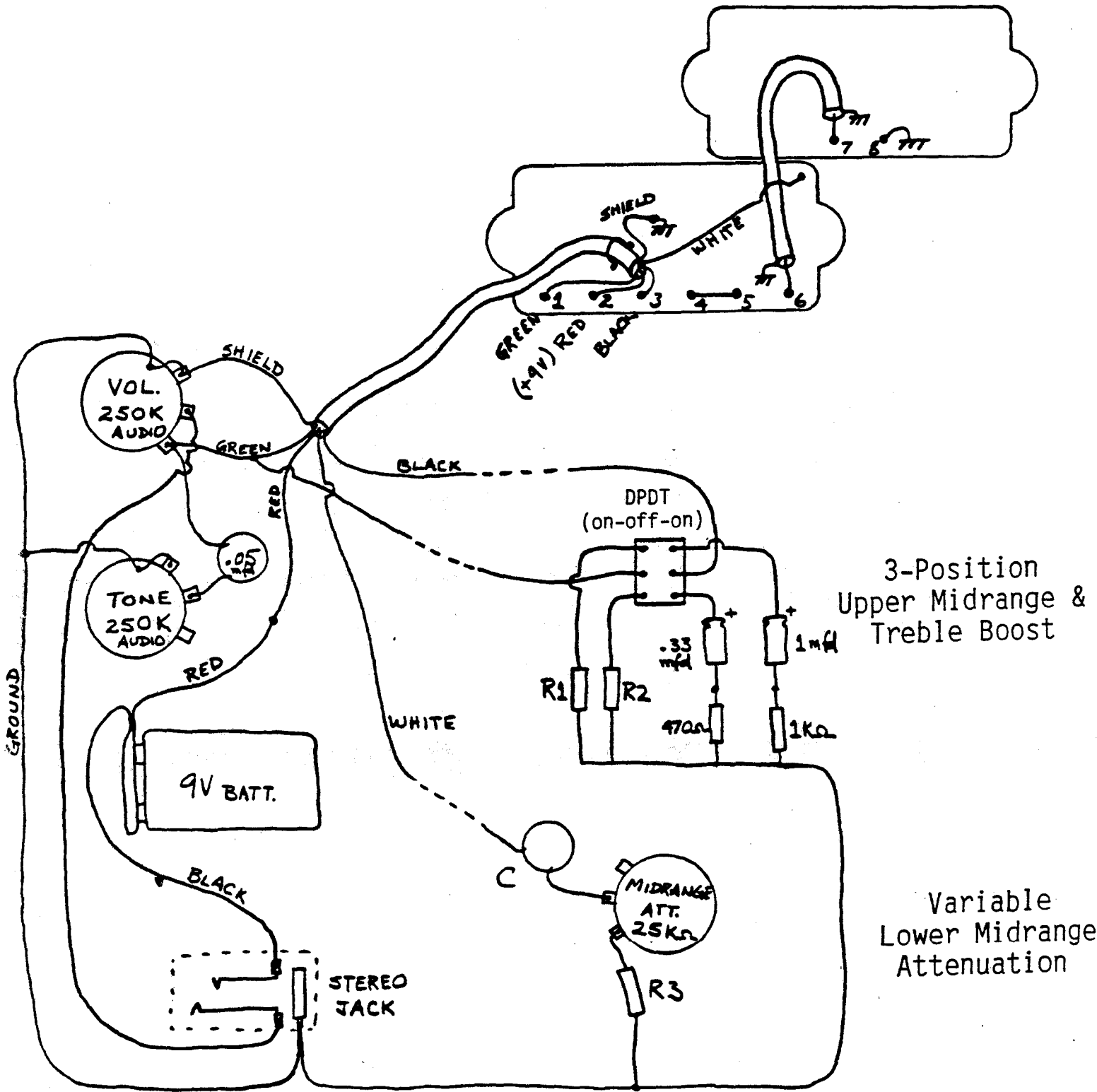


bartolini

ACTIVE ELECTRONIC PRECISION* BASS PICKUPS
Model 8E



3-Position Upper Midrange and Treble Boost

CENTER: Flat frequency response - full range sound

UPPER MID & TREBLE BOOST: 1 mfd + 1K Ω boosts upper mid & treble approx. 12dB. Resistor R1 attenuates output to match center position (approx. 5K Ω). The midrange enhancement gives a tone quality similar to Fender basses.

TREBLE BOOST: .33 mfd + 470 Ω boosts upper treble approx. 18dB. Resistor R2 attenuates output to match center position (approx. 7K Ω). The upper treble emphasis gives a tense "piano-wire" tone to the instrument.

Resistors R1 & R2 will vary depending on the tone quality of the instrument and the kind of strings used. For ease of adjustment these resistors may be replaced by miniature trim potentiometers.

To reduce the amount of high frequency enhancement, replace the 470 ohm or the 1K-ohm resistors with larger values. To raise the frequency at which boost occurs, replace the capacitors with smaller values (try 0.1 mfd. and 0.022 mfd. for much brighter tone quality).

Variable Lower Midrange Attenuation

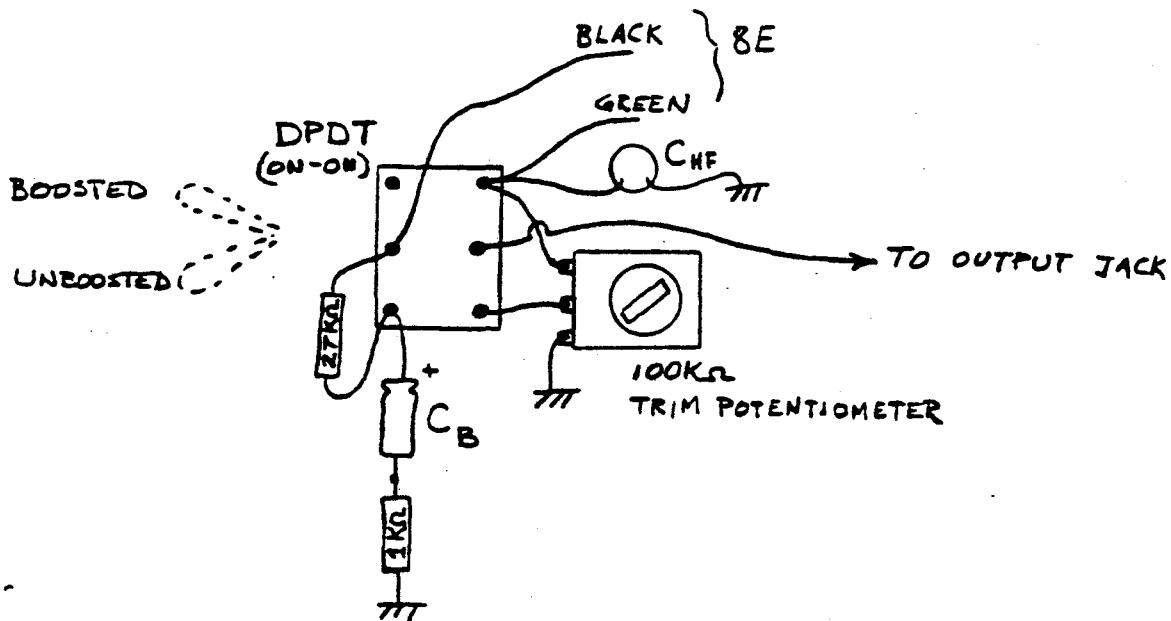
The value of the capacitor C determines the frequency at which maximum attenuation occurs. The resistor R3 limits the maximum attenuation.

If R3 is 0 Ω (potentiometer lug connected directly to ground) and the capacitor C is 0.1 mfd, the sound will be attenuated approximately 20dB at 500 Hz.

If R3 is 2.7 K Ω and C is 0.2 mfd, the response will be close to that of our TCT tone control module with Bass, Mid and Treble controls near maximum.

If the white lead is not used, it should be taped or covered with shrink tubing to keep it from shorting to ground.

2-Position Upper Midrange and Treble Boost



Adjust trim potentiometer to equalize boosted and unboosted loudness levels.