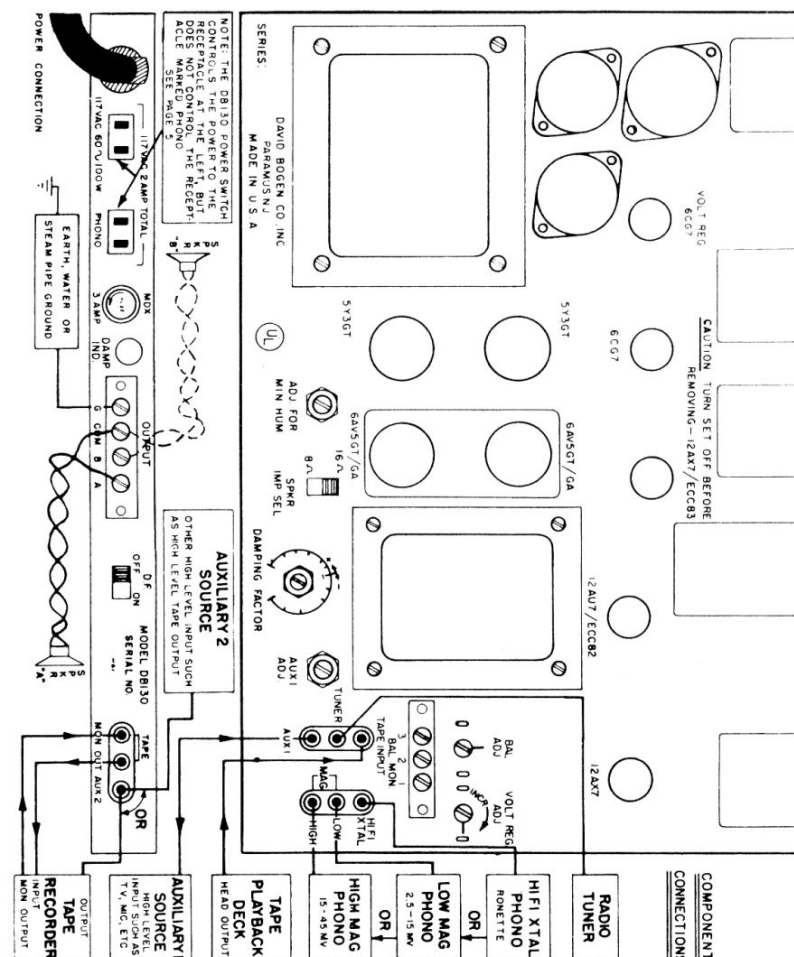


Bogen DB130 Adjustments



The DAMPING FACTOR control is to be adjusted to the setting that sounds best to the listener. Room acoustics, speaker deficiencies and listener preference will dictate the correct setting, but experience has shown that with many speakers, the greatest benefits are derived from settings approaching ultimate damping. Ultimate damping is achieved when the source resistance of the amplifier is adjusted to a negative value that will almost cancel out the dc resistance of the speaker voice coil. This is the resistance that isolates the motional impedance (or the "business end") of the speaker from its driving source.

This revolutionary new control maintains constant negative feedback throughout its range and employs no filters to correct the response of the speaker. If a slight loss in bass response results from use of low negative settings, it may be readily brought back into proper balance by use of the BASS tone control.

The effect of the new variable damping factor control will be a revelation to the listener regardless of the speaker being used.

To adjust for ultimate damping, observe the following procedure:

1. Set the VOLUME control for minimum gain.
2. Turn DF ON-OFF switch to ON and leave it ON.
3. Using a screwdriver slowly rotate the DAMPING FACTOR control (located on the chassis rear) in a clockwise direction until the damping indicator (DAMP. IND.) bulb flashes.

CAUTION: Allow the speaker to oscillate only momentarily. Violent vibration could be detrimental to the suspension system of the speaker.

4. Slowly rotate the DAMPING FACTOR control counter-clockwise until the damping indicator bulb stops flashing.

If two speakers are to be used with the DB130, make the above adjustment with the SPEAKER SELECTOR set at position AB so that speakers will be connected.

NOTE: Some speakers have higher DC voice coil resistance than others, or may produce different phase shifts. In either case no oscillation will occur. If the voice coil DC resistance is greater than about 9 ohms, the control should be adjusted to the extreme clockwise position.