

MODULE AR316
VCA TRIM PROCEDURE

NOTE: The VCA may be trimmed by ear, however, the following test procedure is recommended if the test instruments are available.

1. A regulated + and - 15 volt power supply
2. Oscilloscope with DC coupled vertical input.
3. Envelope Generator or LFO.
4. LFO or VCO.

Trim as follows:

1. Monitor the output with the oscilloscope.
2. With no audio inputs to the VCA and audio level pots at 0, apply a 10 volt square wave to the control input.
3. Adjust R10 for minimum signal at the output. (Increase the gain on the oscilloscope for more precise trimming.)
4. Apply a 10 volt sawtooth to audio input 1 and set the pot to 10.
5. Apply a 10 volt square wave to control input 1 and set the pot to 10. The envelope generator can be used to produce the square wave.
6. Turn the initial gain to 0 and the control mode switch to LIN.
7. Adjust R 13 for a 10 volt sawtooth at the output.
8. Change the control mode switch to EXP.
9. Adjust R 31 for a 10 volt sawtooth at the output.

Your AR 316 is now ready to use.