

Power Amplifier Check

After completing power amplifier repairs, be sure to confirm that waveforms are present as indicated below. Power amplifier operation is not normal if these waveforms cannot be observed.

It is not possible to observe both waveform C and D at the same time. Be sure to observe them individually, and be sure that no other test equipment is connected to the amplifier at the same time as the oscilloscope.

Test Condition

1. Apply a 50Hz sine wave to the INPUT terminal.
2. Connect an 8 ohm dummy load to the speaker terminals.
3. Connect the oscilloscope across the resistor (R67~74) of high output circuit.

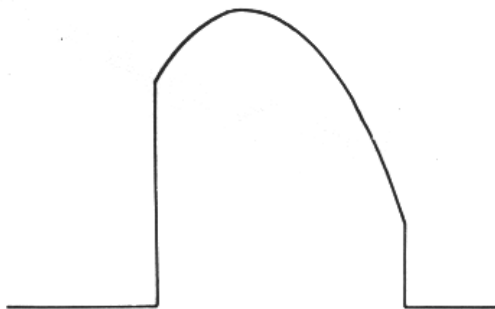


Fig. C

4. Set the volume control of the BASIC M2 to 0, then turn on the power.
5. When the LEVEL CONTROL of the BASIC M2 is turned up slowly, the waveform shown in Figure C should appear suddenly at a certain point. This is evidence that the high output circuit has begun operating. Stop turning the volume control at the point where this waveform appears.
6. Momentarily turn off the power to the BASIC M2.
7. Connect the oscilloscope across the resistor (R75~82) of low output circuit.
8. Turn the power to the BASIC M2 back on.
9. The waveform shown in Figure D should appear.

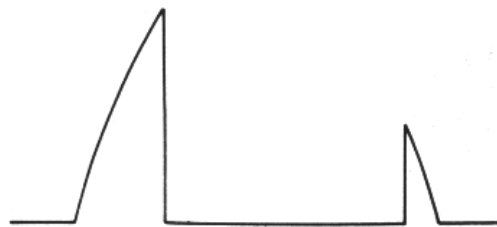


Fig. D