

4. ADJUSTMENT PROCEDURE

1. Adjustment of output offset voltage

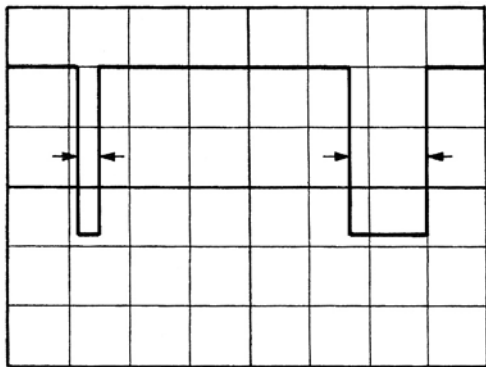
- 1) Remove the MAIN-IN and PRE-OUT plugs, and connect a digital voltmeter set to the DC range to the speaker terminals with no signal and no load on the unit.
- 2) Adjust R622 for L-ch and R722 for R-ch until the indication on the digital voltmeter is ± 10 mV.

2. Idling adjustment

- 1) With no signal or load on the unit, short TP-1 and TP-3 on the P.W. Board (PN00).
- 2) Connect a digital voltmeter set to the DC range between J607 and J707 and adjust J643 and J743 for 36 mV.
- 3) Remove the short between TP-1 and TP-3, and R642 and R742 so that the voltage between J607 and J707 is 180 mV.

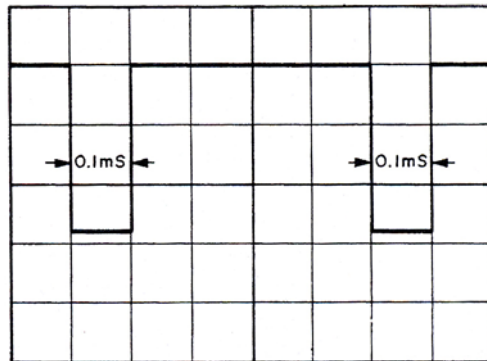
3. Adjustment of quarter "A"

- 1) Connect a DC voltmeter between the emitter and base of QL07 for L-ch. (The meter range is greater than 100 V, with the polarity of the emitter (+) and base)
- 2) Connect the oscilloscope between TP-1 and TP-2 on the P.W. Board, and monitor the waveforms at TP-2 with TP-1 as the reference.
- 3) Connect an 8 ohm load to each of the speaker terminals, and input a 1 kHz to the L channel MAIN-IN. Adjust the input level so that the load on L-ch gives output of 17 V.
- 4) Rotate RN40 (RN41) on the P.W. Board (PN00) and monitor the waveforms on the oscilloscope.



- 5) Adjust RN42 (RN43) so that the pulse width is the same.

- 6) Adjust RN40 (RN41) again to make the pulse width 0,1 ms. Confirm that the voltage at the emitter of Q107 is 63 V.



- 7) Lower the input signal and confirm that the voltage at the speaker terminal is 16 V — 16,5 V and the voltage at the emitter of QL07 is 29 V at the point where the pulse disappears.
- 8) Next, connect the DC voltmeter between the emitter and base of QL08 for R-ch. (The meter range is greater than 100 V, with the polarity of the emitter (-) and base (+).)
- 9) Input a 1 kHz to the R channel MAIN-IN. Adjust the input level so that the load on R-ch gives output of 17 V.
- 10) Adjust items 4 to 7 in the same manner as L-ch. The adjustment locations are those shown in parenthesis.