

- 9) Confirm that difference between 4' D[#]4 and E4 is within 2 cents.
(Switch between POLY and UNISON and check unit 0 only.)
- 10) Switch SW1 to the front while playing C6 (stretch tuning) and confirm +8 ~ +12 cent.
- 11) Confirm difference of no more than 2 cents between 4' G5 and G[#]5. Unit 0 only is OK.
- 12) Confirm that KLM-366'S VR1 is approximately in the center position and not turned in the clockwise or counterclockwise directions.

EG TIME check and adjustment.

- 1) Attack time adjustment.
Check CN05-12 with DVM and adjust ATTACK VR to obtain +0.9V ±20mV. Set SUSTAIN to 0; leave others at normal setting.
- 2) Test top side of R143 10K with oscilloscope. (Set sweep mode to normal.)
- 3) Set ARPEGGIO to ON, ARPEGGIO SPEED to 2.5, LATCH to ON, and UNISON to ON.
4. Play any single key and adjust VR12 to obtain an attack time of 250msec ±10msec. See fig. 5.

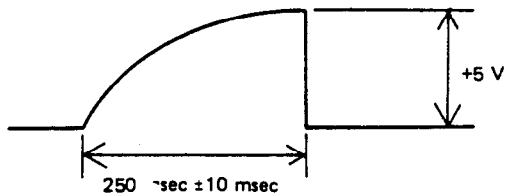


Fig. 5

- 5) Repeat steps 2) ~ 4) for units 0 ~ 5.
- 6) Set ATTACK to 10; leave others at setting 1).
Repeatedly play a single key and confirm that differences between the fade-out of the six notes are within 5 seconds and that all fade out within 15 ~ 25 seconds.
- 7) DECAY TIME check.
Set OCTAVE to 4', WAVEFORM to PW, PW/PWM to 10, CUTOFF to 2, RESONANCE to 10, EG INTENSITY to +3, DECAY to 8, SUSTAIN to 0, ARPEGGIO to ON, ARPEGGIO SPEED to 1 ~ 3, LATCH to ON, and KEY ASSIGN MODE to POLY. Leave others at normal.
Listen to each unit and check to see that there are no deviations.
- 8) RELEASE TIME check.
Set DECAY to 0, SUSTAIN to 10, and RELEASE to 8; leave others at same as 7) above.
Listen to each unit and check to see that there are no deviations.

5. KLM-368 check and adjustment.

(1) HEADPHONE AMP OFFSET adjustment.

- 1) Use normal setting. Connect oscilloscope and DVM to TP-4 (GND is TP-6). Adjust VR6 to obtain offset of 0mV ±20mV.

(2) HEADPHONE AMP LEVEL adjustment.

Set OCTAVE to 4'; leave others at normal. Check point is same as (1) above.

- 1) Play C3 and adjust VR5 to obtain a sawtooth waveform amplitude of 0.3Vp-p (±5%).
- 2) Check to be sure there is no waveform distortion at this point.

(3) OUTPUT AMP OFFSET adjustment.

Set WAVEFORM to PW, PW/PWM to 10, MG FREQUENCY to 7, LEVEL to 10, and MOD to VCA. Check SIG OUT (TP-5) with oscilloscope.

- 1) Adjust VR7 to minimize waveform amplitude. See fig. 6.

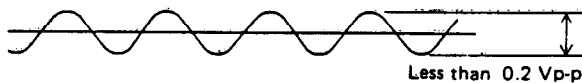


Fig. 6

(4) OUTPUT AMP LEVEL adjustment.

Set OCTAVE to 4'; leave others at normal.

- 1) Play C3 and adjust VR8 to obtain a sawtooth waveform amplitude of 3Vp-p (±5%).
- 2) Confirm that click noise occurring when power is turned off is less than volume of sound made by playing C3. DC click noise amplitude should be no greater than 6Vp-p.

BDD CLOCK adjustment.

Set EFFECTS MODE to ENSEMBLE, SPEED/INTENSITY to 10. Leave others at normal.

- 1) Check TP-1 with oscilloscope.
- 2) Adjust VR1 to obtain maximum clock cycle of 30μsec. See fig. 7.

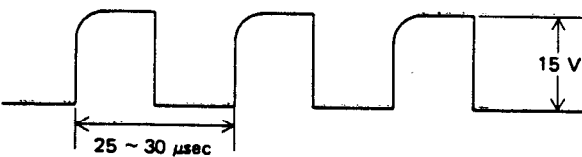


Fig. 7

- 3) Check TP-2 with oscilloscope.
- 4) Adjust VR2 to obtain maximum clock cycle of 30μsec.
- 5) Check TP-3 with oscilloscope.
- 6) Adjust VR3 to obtain maximum clock cycle of 30μsec.