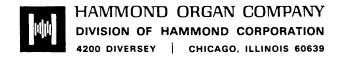
Technical Bulletin



July 22, 1970

TO ALL MAINTENANCE ENGINEERS - FOR IMMEDIATE ACTION

NO. MODELS

J-400

SUBJECT:

LOW RHYTHM VOLUME

In order to improve (increase) the output volume of the built-in Auto Rhythm, proceed according to the following:

- 1. Lift upper left-hand end block assembly to expose P.W. board. Replace 82K resistor on board with 22K. Reattach end block assembly.
- 2. Disconnect plug attached to Auto Rhythm.
- 3. Remove organ top, and expose rhythm P.W. board by removing rhythm unit cover. Rhythm P.W. board will appear as in sketch on reverse side.
- 4. Remove shielded output lead from plug disconnected in Step 2, then attach plug to Auto Rhythm.
- 5. Connect oscilloscope lead to Auto Rhythm output lead (yellow lead inside unit).
- 6. Adjust TEMPO and VOLUME to maximum, SILENT/SOUND switch to SOUND position. Release all pattern selectors.
- 7. Jumper Track 1 to Snare Drum trigger input. Adjust Snare Drum potentiometer for 3V ±.3V P-P output. (See sketch).
- 8. Move jumper to Cymbal trigger input (See sketch). Adjust Cymbal potentiometer for 3V ±.3V P-P output.
- 9. Move jumper to Bass Drum trigger input (See sketch). Adjust Bass Drum potentiometer for 2.5 ±.25V P-P.
- 10. Disconnect plug from Auto-Rhythm and reinsert shielded lead. Reattach Auto Rhythm cover and top of organ. Reconnect plug.

NOTE

If you have a +25V DC supply, Auto Rhythm can be adjusted as a bench procedure, without performing Step 4. Connect (+) side of supply to pin 4 of chassis connector, (-) side to chassis ground. Jumper pin 1 to chassis.