



Factory Service Bulletin

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MEMORYMOOG BULLETIN SUMMARY

This summary provides a guide to implementing all of the bulletins associated with Memorymoog updating, to to and including the Sequencer/MIDI. Since the work outlined in each of the bulletins may be individually performed, this guide may help insure more efficient use of your time by combining various work operations, i.e., while one particular assembly is being updated or modified, all other applicable changes can be accomplished simultaneously.

* CUSTOMER PROGRAMS

- o Save customer programs on cassette as they may be lost when the Digital Board is modified.

* FRONT PANEL TEST

- o Turn ON Memorymoog and hit: (Record Interlock) (C) (0) (ENTER) (A).
- o Observe that all LED's are on with the exception of AUTOTUNE and one LED on the LHC OCTAVE switches. Also observe that the MOD RATE LED flashes. Toggle LHC OCTAVE switches and verify that both LEDs light. Hit RECORD INTERLOCK. Note front panel LEDs return to normal operating status. Hit AUTOTUNE and observe all LEDs are off except for the AUTOTUNE LED and MOD RATE LED.
- o Check alpha/numeric display in various modes to insure that no characters or segments are out. For example, observe power up display, potentiometer edit of the noise level and the prompts of (C) (3) (ENTER).
- o If any LED or an alphanumeric segment fails to operate, make a note and replace it when the front panel boards are out for modifications.

* OPEN INSTRUMENT

- o Remove power supply and modify according to Bulletin 838 but DO NOT REINSTALL POWER SUPPLY AT THIS TIME.
- o Remove LEFT and RIGHT SIDE CONTROL BOARDS (after checking LEDs as above).
- o Modify according to Bulletins 835 and 839.
- o If Sequencer update is being installed at this time, perform additional modifications on LSC board according to Bulletin 841B.
- o Reinstall LSC, RSC and Power Supply.

* CHECK JACK BOARD FOR THE FOLLOWING AND INSTALL PARTS WHERE NECESSARY:

- o 470 to 510 pf capacitor soldered between Pins 6 and 7 of U1.
- o .01uf capacitor soldered between Pins 4 and 8 of U1.
- o If Sequencer update is being installed at this time, install additional .1uf capacitors on the appropriate jacks according to Bulletin 841B.

* CHECK ALL VOICE CARDS FOR THE FOLLOWING:

- o C26 should be a .22uf NON electrolytic capacitor. R83 should be a 10K resistor (parallel with 10K if necessary).
- o U1, U5, U8, the Curtis 3340 VCO's, should NOT have a date code of 8226 (any replaced 3340's REQUIRE 24 hours of burn-in before final calibration).

* CHECK THE CONTOUR GLIDE BOARD FOR THE FOLLOWING:

- o C2, C5, C8, C11, C32, C43, C54, C65, C76, C88 must be ceramic capacitors (tubular or disc) with any value ranging between .0047 and .01uf.



Synthesizers



Amplifiers



Sound Modifiers



Accordions



Amplifiers



Amplifiers



Amps

- * CHECK THE COMMON ANALOG BOARD FOR THE FOLLOWING:
 - o Modifications pertaining to Bulletins 834 and 837.
 - o If the Autotune update is being accomplished at this time, perform the additional modifications contained in Bulletin 840.
 - o If Sequencer update is being installed at this time, perform the additional modifications contained in Bulletin 841B.
 - o Also check for a .01uf ceramic (disc or tubular) capacitor soldered to the rear side of R81 and R82 and a .01uf ceramic (disc or tubular) capacitor soldered between pins 1 and 14 of U1 (on the bottom of the board).

- * CHECK THE DIGITAL BOARD FOR THE FOLLOWING:
 - o Battery leads connected to the board via flexible stranded wire.
 - o The heavy green ground wire soldered between U22 and U29 should exit to the REAR of the board and be as short as possible with NO residual flux left on the board. Remove residual flux by scraping with a small screwdriver. DO NOT use a chemical flux remover.
 - o R14 should be paralleled with a 10K resistor or replaced with a 6.8K resistor (Bulletin 838).
 - o If the AUTOTUNE update is being installed at this time, perform the additional modifications contained in Bulletin 840.
 - o If the SEQUENCER update is being installed at this time, perform the additional modifications contained in Bulletin 841B.

- * CHECK DMUX BOARD FOR THE FOLLOWING:
 - o Determine if the .001uf capacitor modification Bulletin 835 is installed correctly.
 - o If AUTOTUNE update is being installed at this time, perform the additional modifications contained in Bulletin 840.

- * CHECK SEQUENCER BOARD (BEFORE INSTALLATION) FOR THE FOLLOWING:
 - C10 should be .001uf.
 - R20 should be 150K.
 - R22 should be 1K.
 - Cut top side trace to U13 Pin 5 and solder a 51K resistor across the trace cut and add a .1uf capacitor from Pin 5 to Pin 4 OF U13 on back of board OR from Pin 5 side of 51K resistor to the ground side of C13.

- * CHECK WIRING HARNESS FOR THE FOLLOWING:
 - o Inspect transformer wires for cuts, i.e. black, blue, brown, red, grey, yellow wires, and repair as necessary. Secure the wires of the power switch to the wires from the power receptacle with a tie wrap. This avoids interference with the transformer on assembly and disassembly.
 - o ReRoute wires from LHC octave switches and wheels AWAY from the left side of the housing (see Bulletin 841B).
 - o Relocate the plastic mounting clip securing the HEADPHONE jack cable from the right side of housing to the mounting stud for RSC board next to FILTER CONTOUR RELEASE pot (see Bulletin 841B).