



Factory Service Bulletin

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SUBJECT: MEMORYMOOGS BELOW S/N 2531
PITCH BEND AMOUNT MODIFICATION
PARTS TO BE PURCHASED LOCALLY

BULLETIN: 837

DATE: November 11, 1983 (Supersedes earlier versions of Bulletin 837)

SYMPTOMS: Tuning changes from preset to preset, caused by different programmed PITCH BEND AMOUNTS which detunes all the oscillators.

CAUSE: The PITCH BEND VCA U5A on the COMMON ANALOG BOARD develops a non-linear output offset current which varies with the control voltage on Pin 5. This modification greatly improves linearity.

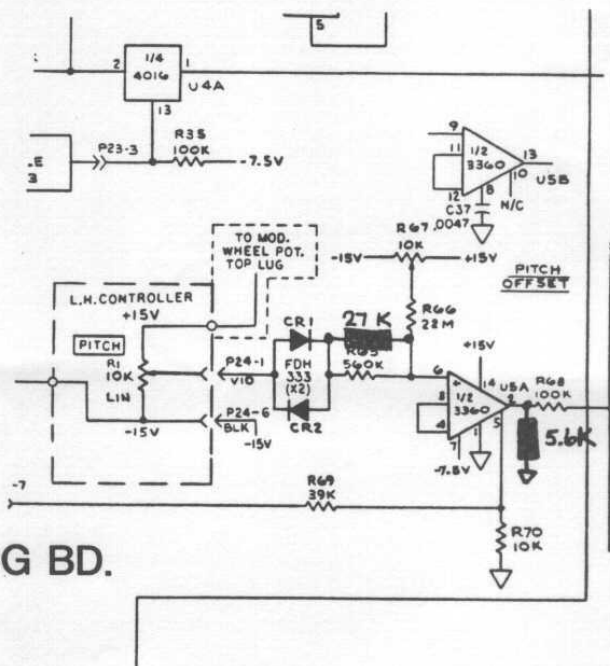
SOLUTION:

- 1) Tack-solder across R65 (560K) a 27K 5% resistor, part number 852-312273-001, on the TOP (component) side of the COMMON ANALOG BOARD.
- 2) Tack-solder a 5.6K 5% resistor, part number 852-312562-001, from the front side (U9 side) of R68 (100K) to the front side of R27 (4.99K).

DOCUMENTATION: Update the customer's COMMON ANALOG schematic:

- 1) Draw in a 27K resistor across R65.
- 2) Draw in a 5.6K resistor from Pin 2 of U5A to ground.

LABOR: This modification is to be performed on all units returned for service and is estimated to take 15 minutes. Moog will reimburse for this modification at a FLAT RATE of \$10.00. This modification is covered under warranty regardless of the warranty expiration date to the original owner.



COMMON ANALOG BD.



Synthesizers

Amplifiers

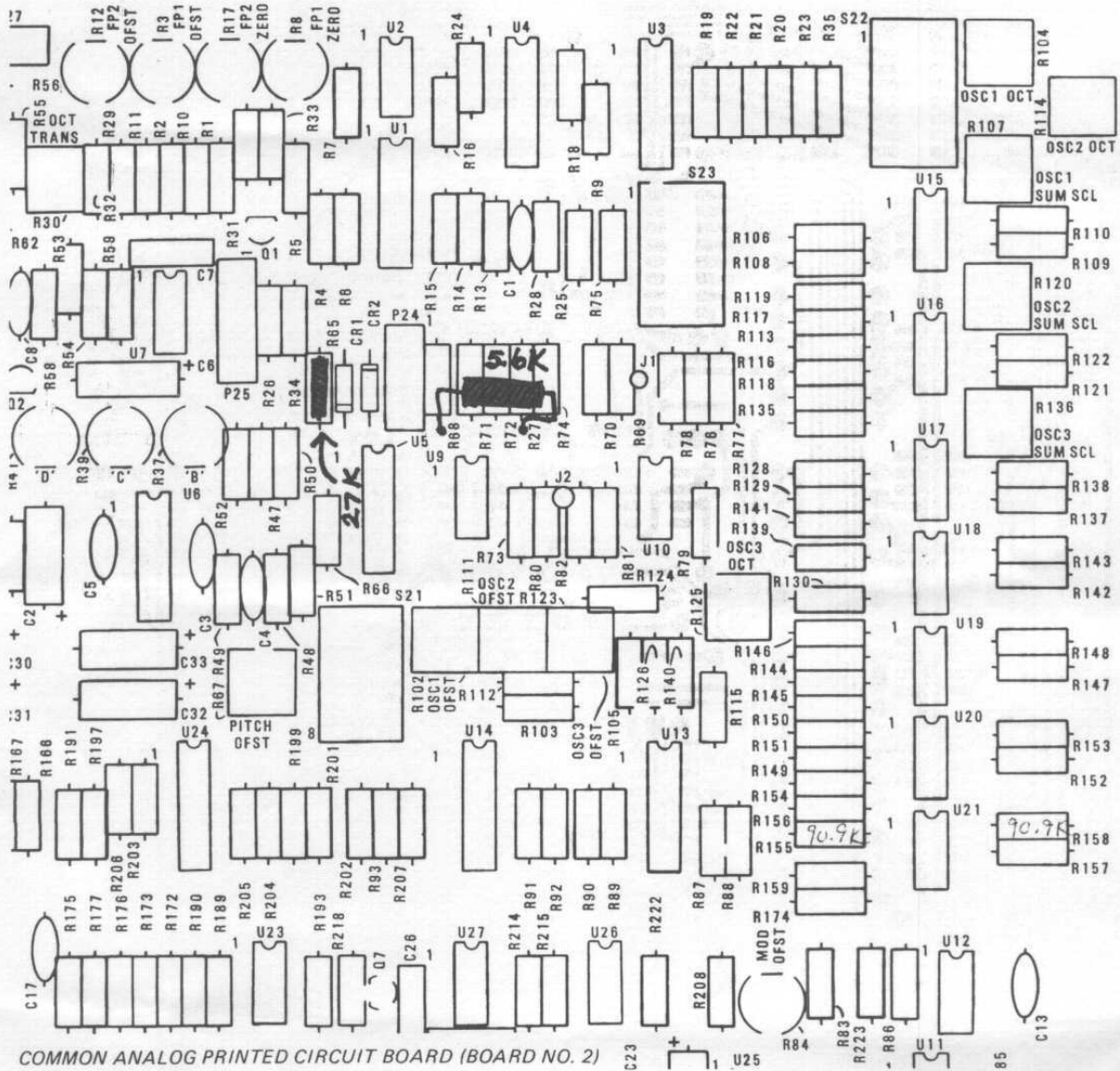
Sound Modifiers

Accordions

Amplifiers

Amplifiers

Amps.



COMMON ANALOG MEMORYMOOG 2 PITCH BEND