

**SUBJECT:** MEMORYMOOG NOISE SOURCE **BULLETIN:** 842 A  
 Kit Part Number 997-044697-001

**DATE:** January 18, 1984

**SYMPTOM:** Standard noise source exhibits a cyclic "heartbeat" sound.

**CAUSE:** Inherent design of the 5837 Noise Source integrated circuit. New 5437 IC significantly lengthens the time between cycles.

**CURE:** FOR UNITS WITH MONO BUFFER BOARD DO THE FOLLOWING:

Remove the buffer board using the IC location shown on the Buffer Board and cut traces leading to pins 2, 4 and 7. Jumper pins 3 and 6 to pin 8. Cut (3) three 5.5 inch (140mm) jumper wires. Solder all wires from the trace side of the Buffer Board as outlined in the table below to the 8 pin Dip Header and thread them through the unused hole in the buffer board for strain relief:

Color	Buffer Board Connector	U25 DIP Header	Function
Blue	Pin 1	Pin 3	Output
Black	Pin 4	Pins 1 & 2	Ground
Red	Pin 3	Pin 4	V+

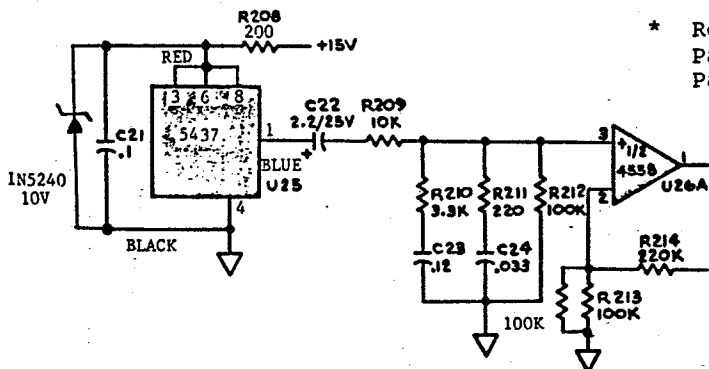
Solder the 5437 into the buffer board.

Remove U25 (5837) from the Common Analog Board and insert 8 pin DIP header (Pin 1 - black wire). Mount the buffer board to the Common Analog Board.\*

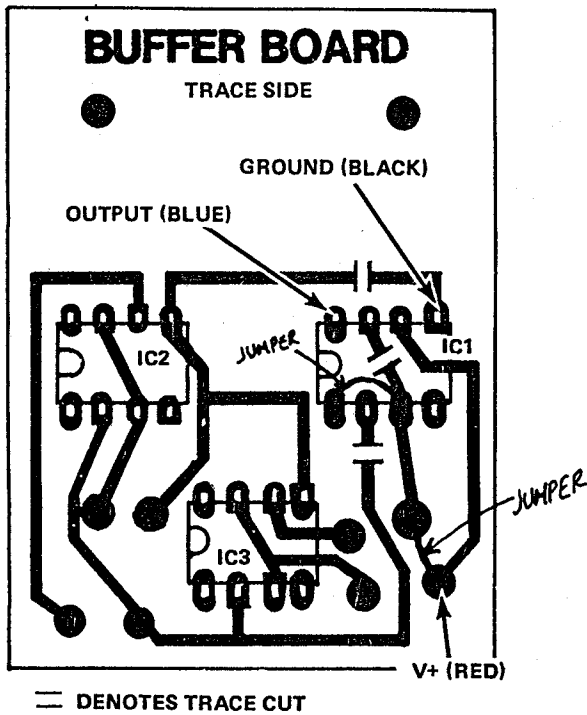
**UNITS WITHOUT BUFFER BOARD MODIFICATION:**

Mount the Buffer Board from the kit as shown. Remove U25 (5837) from the common Analog and insert the 8 pin DIP header in which pin 1 is the black wire. An excerpt from Bulletin 840 is included to add the MONO filter tracking if desired by the customer.

**LABOR:** This is a non-warranty update especially desirable for studio musicians. The estimated installation time for the noise source alone is 15 minutes. With the MONO filter tracking update, add an additional 30 minutes.

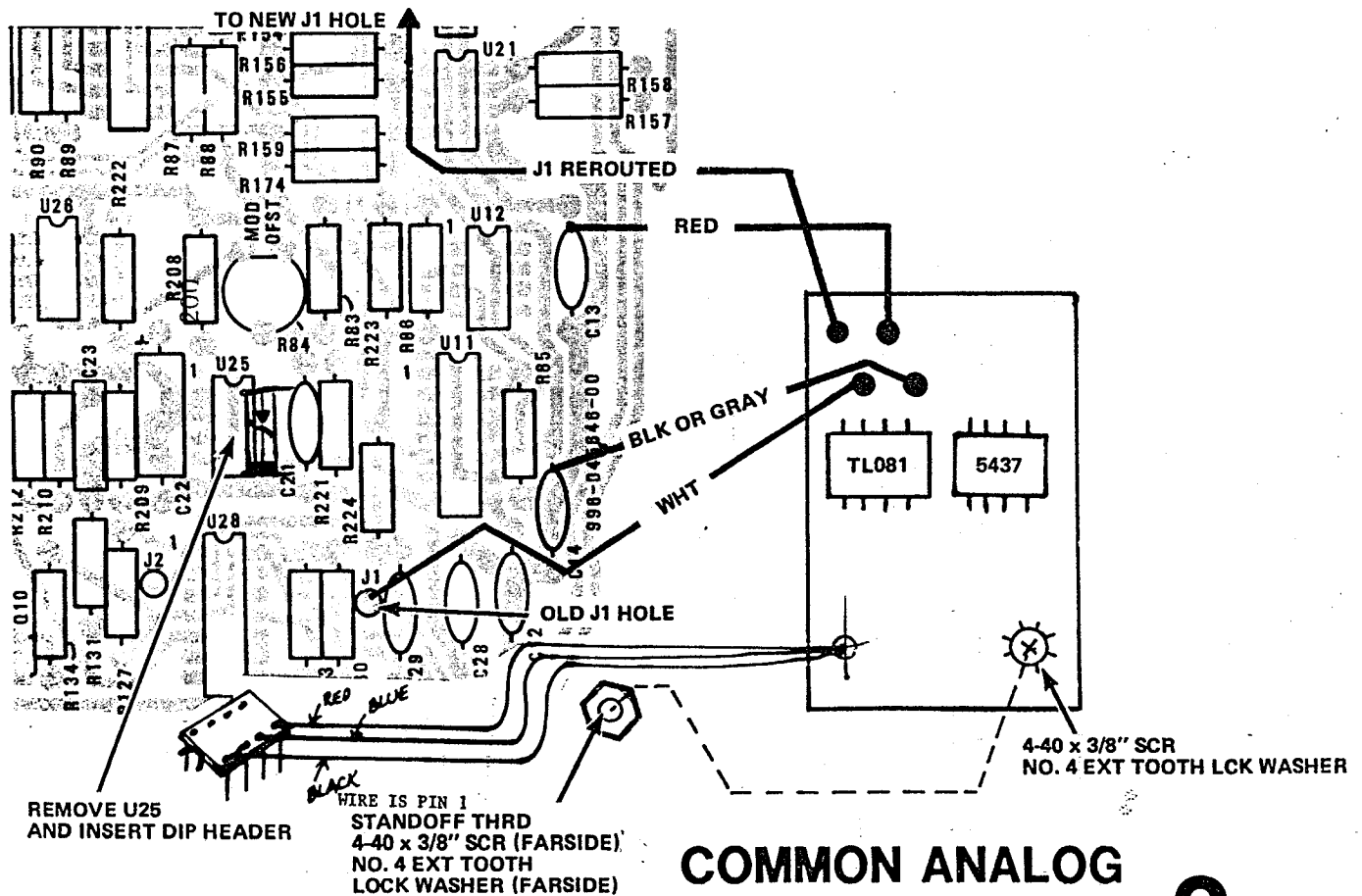
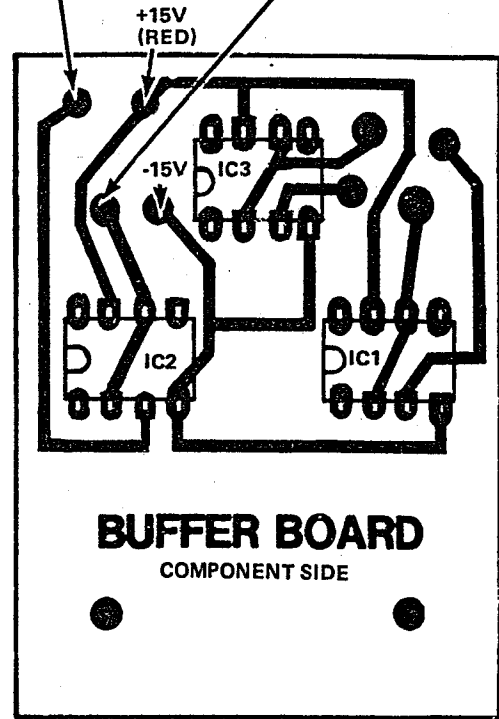


\* Replace R208 with 200 ohm 1/4 watt resistor.  
 Parallel C21 with 500 milliwatt 10V zener 1N5240.  
 Parallel R213 with a 100K 1/4 watt resistor.



UNSOLDER J1 FROM FRONT EDGE OF C/A BOARD AND ATTACH HERE

TO OLD J1 HOLE ON FRONT EDGE OF C/A BOARD AND SOLDER +/- 15 AS SHOWN



# COMMON ANALOG MEMORYMOOG 2