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December 5, 1974

CHANGE FOR THE BETTER

In order to maintain our high quality standards, the following changes in <u>all</u> of our <u>solid state power supplies</u> is being initiated.

I. Diode Replacement

We are replacing the diodes in our bridge rectifier circuit Part No. 031450 which is a 3 amp diode with a 6 amp diode Part No. 137077. The new diode will be a Sarkes Tarzian, their Part No. 6AL2 or Motorola Part No. MR752.

If you have a diode problem, we would like to suggest that all the diodes with the Part No. 031450 in the power supply be replaced to eliminate any further cause for repair. These diodes are available from us under Part No. 137077.

II. Rectifier S.C.R.

We are also changing our motor switching circuits from S.C.R.'s, our Part Nos. 030387 (200 piv 4 amp) and 031997 (400 piv 4 amp) to Triacs, thus allowing one Triac to replace two S.C.R.'s. Our part number for these new parts is 067561. They are rated at 400 piv 8 amps. Suggested equivalents are: Motorola Hep-R1725; G.E. SC146D. To illustrate the S.C.R. to Triac change, refer to the two schematics that follow.

If you have any questions pertaining to this service letter, please feel free to contact our Customer Service Department.

PRIOR MOTOR CONTROL AND BRAKE CIRCUIT INCORPORATING THE USE OF S.C.R'S. TREBLE BASS MOTORS MOTORS SLOW FAST SLOW FAST M M M M NC NC NC **P9** 2 3 P 10 6 2 3 5 4 5 4 6 **S9** S10 2 4 5 8 4 3 5 6 6 8 NC NC NÒ NC YELLOW PLUG RED PLUG AND SOCKET RED GREEN **VELLOW** YELLOW то GREEN BROWN RED S.4 6 6 5 4 E Contraction of the second 000 NC 32 e P6 6 3 5 2 4 1 **S**6 6 3 2 4 1 P6,9,10, \$6,9,10, BLUE ORANGE GRAY P D6 D8 330n 3300 814 4 20055 117 VAC 8 II7 VAC D7 D9 9 9 0 7 VIOLET 330n CONTROL CIRCUITS 3300 3 REL I REL = Sa Sa 8.9 8.5 8 8 8 8 DI2 BCE ₩ 6.8K Q2,3 B SPS 4382 AAV R9 0 8.9 8.5 8 8 8 8 8 8 DIO E B Q2 03 6.8K 6.8K 5 80k OI 2 DII 5 DI S2X S2X S2X S2X 130n 6 WHITE D13 TO POWER SUPPLY

