

# INSTRUCTIONS FOR USING THE **peterson** MEMORY BACKUP MODULES

Beginning in early 1998, the Battery Module #400921 will be replaced on most new Peterson Duo-Set combination action systems by a Memory Backup Module #404969. The Memory Backup Module incorporates a one Farad capacitor in place of four rechargeable batteries to supply the power needed to retain memory. This eliminates the need to replace batteries every five years or so, and increases the memory holding time to at least 30 days under normal conditions.

The Memory Backup Module may be used as a direct replacement for any Battery Module with the part number 400921. While it is generally a good practice to use either all Battery Modules or all Memory Backup Modules on the combination action base systems within a console, they can be mixed if necessary.

Please note that the yellow, red, and green battery monitoring test lights on the Power Module and the 3 Amp Fast Blow battery fuse are no longer needed when Memory Backup Modules are installed, since these items are included for purposes specifically related to the use of batteries.

When the Memory Backup Modules are used, pressing the test button will illuminate the green "under voltage" LED, but this will discharge the capacitor to 4.4 Volts causing the green LED to go out after 3 minutes. The system's memory will not be lost since only 1.5 Volts is required to retain memory. The red "overvoltage" LED will not come on unless an open circuit exists or the backup module is unplugged from its pins on the Motherboard. The yellow "charging" LED will come on if the charging transformer is connected. The Class 2 Transformer (or the wires to the screw terminals labeled "C/A" on a Peterson Console AC Control System) should be kept in place to insure the capacitors are always fully charged.

**peterson** ELECTRO-MUSICAL PRODUCTS, INC.

11601 S. Mayfield Avenue, Alsip IL 60803-6007

Phone 1-800-341-3311

FAX 1-708-388-3341