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DRUMULATOR SOUND CHIP SETS

Congratulations on your purchase of Digidrums Drumulator Sound Chips! We think you will enjoy your new sounds. The ability to interchange entire sets of Drumulator sounds in minutes adds a new dimension to a fine instrument.

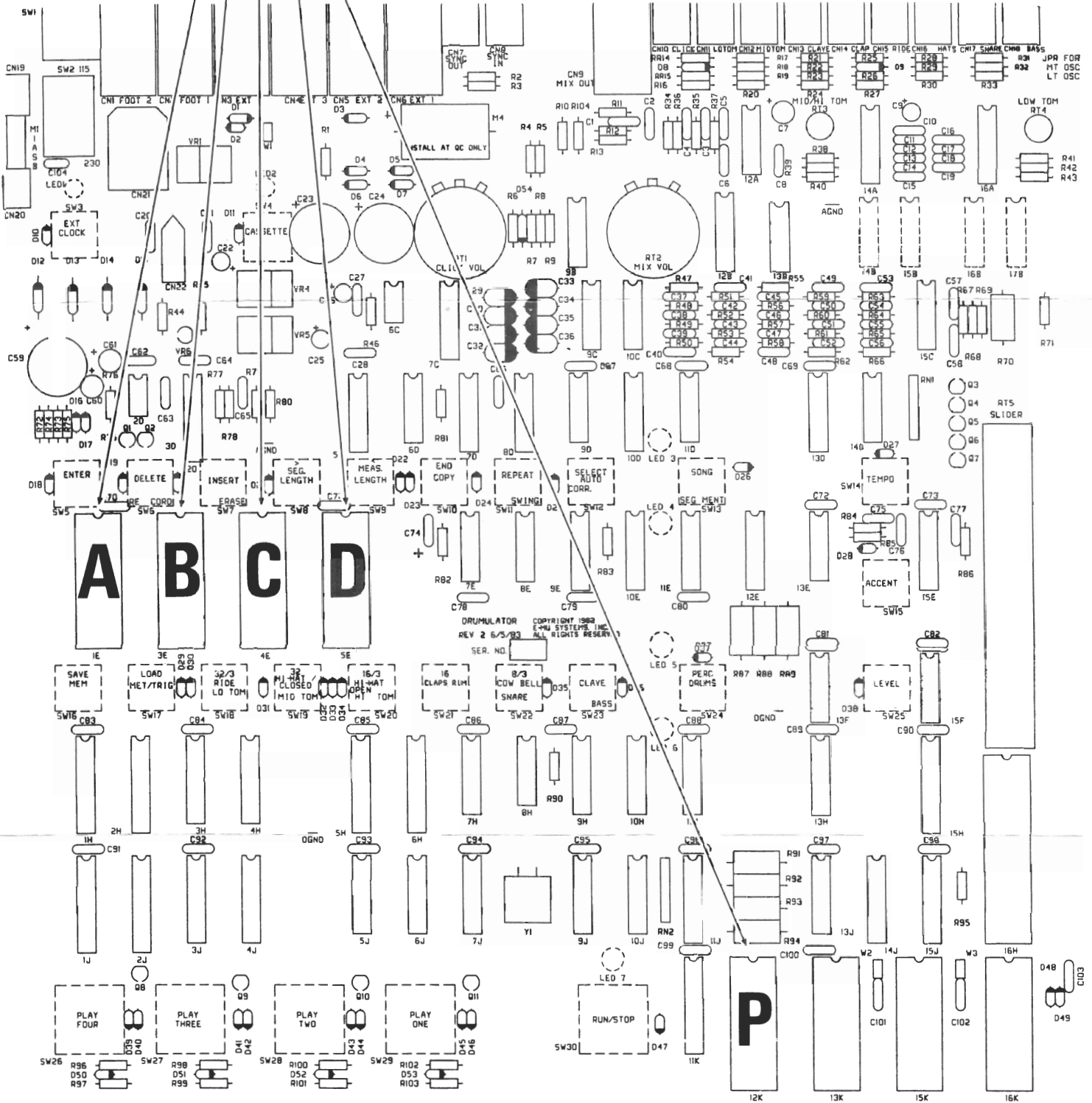
Digidrums Sound Chip Sets are really quite easy to install. However, the initial installation of new sound chips can be a bit tricky if the original Drumulator sound chips are tightly installed in their sockets (most are). Once you have installed sound chips several times the sockets will "loosen up" a bit and permit easy installation and removal. Please be very careful when installing or removing sound chips. Pins are easily bent but (unfortunately!) not easily repaired. Never force a sound chip!

SOUND CHIP INSTALLATION

- 1) Place the Drumulator face down on a soft surface. Open the Drumulator case by removing the eight (8) screws located around the perimeter of the metal base. Lift the base away from the Drumulator "shell" and place it next to the Drumulator (be careful - the shell and base are connected by cables).
- 2) Next, you must remove the original sound chips from their sockets on the Drumulator circuit board (mounted inside the Drumulator shell). The location of these chips is shown in Figure 1 (facing page). They are labeled "A", "B", "C", "D" and "P". You will need a small, flat prying tool such as a tiny, flat blade screwdriver or a minature knife blade.
- 3) Place the prying tool under one end of a sound chip and gently pry upwards until the chip begins to release from the socket. Move the prying tool to the other end of the chip and continue prying upwards. Once the chip has been partially "lifted" out of the socket by prying, you should be able to pull it straight up (never pull/push the chip to either side) and out of the socket.
- 4) Remove the other sound chips (A, B, C, D, P) following the same procedure.
- 5) Note that your Digidrums Sound Chips have a single letter, followed by a three digit number, on each chip. The letter indicates which socket the chip must be installed in. For example, a chip labeled "P101" goes in the "P" socket (makes sense, doesn't it?).
- 6) It is also *very important* that the "notch" located on one end of each chip be pointing in the correct direction. To determine the correct direction, see Figure 1 (facing page), or look at the other chips on the Drumulator circuit board. All the "notches" point in the same (and correct) direction.
- 7) Now, gently install the Digidrums Sound Chips in the correct slots (see Step 5). Are the notches in the right places? Be sure all the pins on each sound chip have inserted into the proper holes on the socket, and have not bent out or under the sound chip.
- 8) If you have accidentally bent any pins, remove the sound chip, gently straighten the bent pins (using tweezers or needle nose pliers) and try installing the chip again.
- 9) Place the base plate on the Drumulator shell, and install the screws you removed in step 1.

Notches

Rear Panel



Front

FIGURE 1
DRUMULATOR CIRCUIT BOARD

Anxious to hear your new sounds? Go ahead and turn the Drumulator on. An information sheet is provided with your Digidrums Sound Chip Set that lists your new sounds, the Drumulator button that plays each sound, and the direct output channel for each sound.

Some sets have fewer than 12 sounds. In these sets we have elected to use more of the Drumulator's memory for each sound, producing "longer" (but fewer) sounds. As a result, some sounds are played by more than one Drumulator button (see the column labeled "played by" on your information sheet). In this case, you can assign a separate normal and accented level *for each button*. For example, you can have 4 different levels for a sound played by 2 buttons, or 6 different levels if the sound is played by 3 buttons. Simply enter the first two levels using the normal and accent levels of one button the sound is assigned to, the third and fourth level using the normal and accent level of another button that plays the same sound, etc. Don't overlook this "fringe benefit" of sets with fewer than 12 sounds!

If you plan on changing chip sets frequently, we recommend that you buy "IC carriers" for each sound chip. They should be available for a few dollars each at your local electronics supply store. IC carriers are IC sockets with heavy-duty pins on the bottom. They are less likely to bend when inserted, and certainly cost less than a replacement chip if they are bent! Insert the sound chip into the carrier, then insert the entire assembly into the Drumulator socket.

You can replace the original Drumulator sound chips at any time, following the same instructions you used to install your Digidrums chips.

New Digidrums Sound Chip Sets will be available on a regular basis. To receive information about new sounds, send your name and address to:

**Digidrums
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ENJOY YOUR NEW SOUNDS!