

## SCA-80 - OPTIONAL SPECIAL INPUT CONNECTIONS

The Special input is normally wired to provide a second RIAA equalized input identical to the one marked *Phono*. All other options described below retain the standard 47,000 ohm input load impedance. The equalization components noted are required for each channel of a stereo input. Resistors should be 5% tolerance, one-half watt. Capacitors should be 5% tolerance for accurate equalization. Be sure all connections are securely soldered.

NAB standard 7 $\frac{1}{2}$ " tape head equalization can be provided on each channel of the Special input as follows:

A 0.015 mfd capacitor and a 330,000 ohm resistor are connected in parallel with a 3,000 ohm resistor in series, using the set of holes below eyelet #8 of each PC-17 board, as shown.

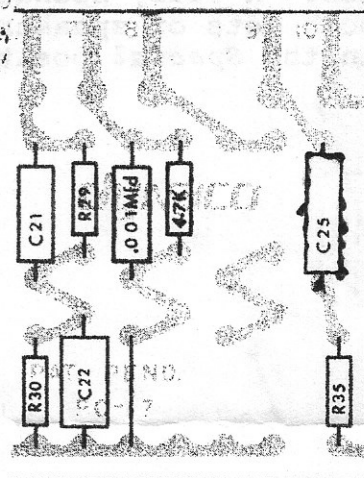
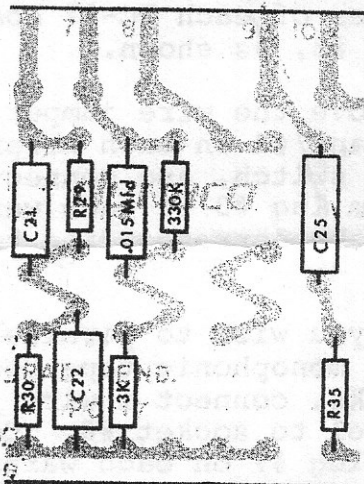
Remove the wire jumper connecting lugs #3 and #4 on each wafer of the selector switch, and connect a 3 $\frac{1}{4}$ " wire from lug #3 of each wafer to eyelet #7 of the corresponding PC-17 board.

The Special input can be wired for a flat high gain input, as for a high impedance (50,000 ohms) microphone, as follows:

A 4700 ohm resistor and a 0.001 mfd capacitor are connected in parallel, with a short jumper wire in series, using the set of holes below eyelet #8 of each PC-17 board, as shown.

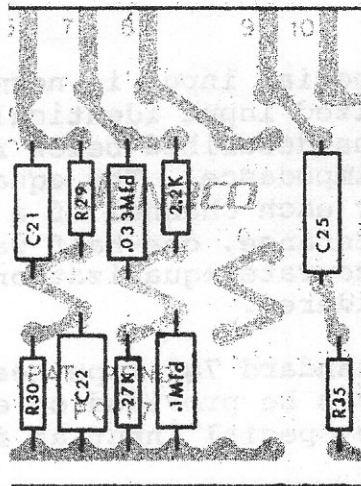
Remove the wire jumper connecting lugs #3 and #4 on each wafer of the selector switch, and connect a 3 $\frac{1}{4}$ " wire from lug #3 of each wafer to eyelet #7 of the corresponding PC-17 board.

If you wish the Special position to provide a second (different) equalization position for the *normal* stereo phono input, you must connect a wire jumper from input socket #1 on the back panel to socket #2, and another wire jumper from socket #7 to socket #8. Remove the wire jumper on each selector switch wafer between lugs #3 and #4. Connect a 3 $\frac{1}{4}$ " wire from lug #3 of each wafer to eyelet #7 of the corresponding PC-17 board. You may then install appropriate component values on the circuit boards in the holes below eyelet #8 for the equalization characteristic you desire. Dynaco cannot however provide information on circuit values for special characteristics.



A lower sensitivity phono input (if you have a cartridge with unusually high output) with RIAA equalization can be provided on the Special input position as follows:

A 2200 ohm resistor and a 0.033 mfd capacitor are connected in parallel in the upper holes, and a 27,000 ohm resistor and a 0.1 mfd capacitor are connected in parallel in the lower holes of each PC-17 board below eyelet #8, as shown.



Remove the wire jumper connecting lugs #3 and #4 on each wafer of the selector switch, and connect a 3½" wire from lug #3 of each wafer to eyelet #7 of the corresponding PC-17 board.

If you wish to parallel the two phono inputs (left and right) for monophonic tape recording from either of the tape output jacks, connect a wire jumper from input socket #2 on the back panel to socket #8. Connect another wire jumper from lug #5 to lug #7 on each wafer of the selector switch. Phono will now provide a normal stereo input, and Special will be a paralleled mono option without any need to unplug connecting cables. A fully blended monophonic signal will also appear at both sets of speaker connections when the selector switch is in the Special position.