

## SIDE - TONE MODIFICATION

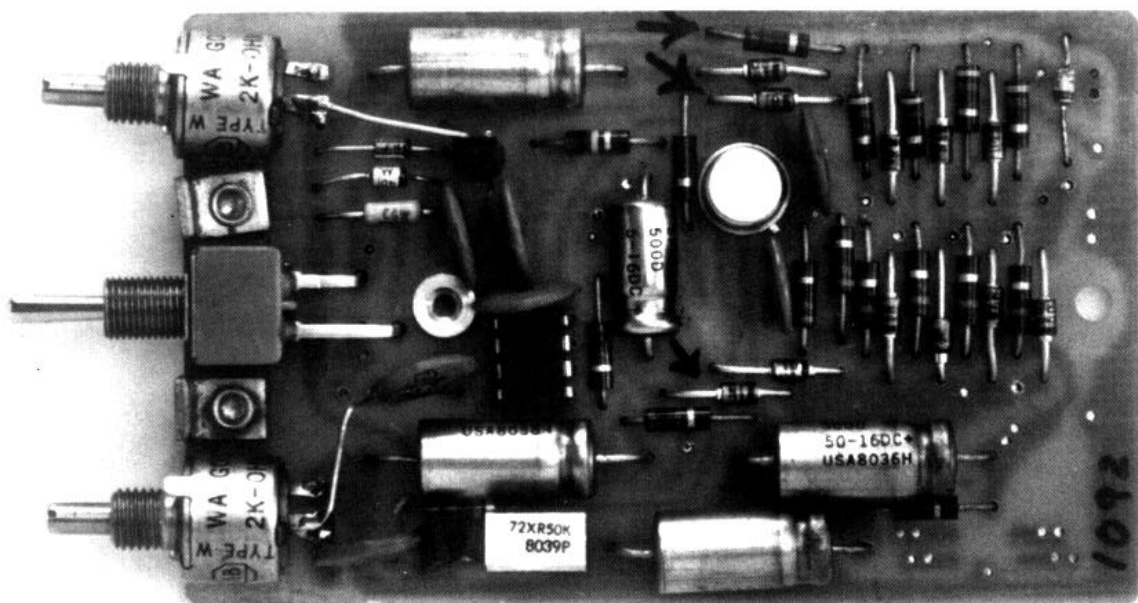
(Circuit Board 1092, SPA-400 Panel Mount, S/N 60001 - 60499)

Most aircraft radios have side-tone; however, it has been noted that some of the Cessna 300 and 400 series, as well as some other radios, do not. Without side-tone, you will not hear yourself or your co-pilot transmit to ATC. If the Transcom is used for instruction and/or you wish to hear the transmissions, a simple modification can be performed within the unit to simulate side-tone. This is accomplished by removing the two diodes indicated by the arrow at the top and the arrow in the middle of the picture. Note the arrow pointing to the resistor is used to install a high noise modification only.

We suggest you clip one lead of each diode and bend them up slightly. This makes it easy to return the circuit to normal if ever needed.

The SPA-400 requires disassembly to accomplish the side-tone modification. To disassemble unit, complete the following:

1. Carefully remove the two screws securing the cover; back each screw out evenly to prevent the cover from bending.
2. Remove the black anodized faceplate by removing the two knobs, the phillips panhead screws, and the switch nut.
3. Remove the volume and squelch pot nuts and washers; please note the order in which they are removed so that they may be replaced in the same order.



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