

Alpha 99 Bandswitch Wafer Replacement Procedure

- 1) Remove the amplifier knobs and front panel.
- 2) Loosen the shaft coupler between the 2nd and 3rd bandswitch wafers, just the front setscrews on both sides, leave the rear screws tight
- 3) Remove the 2 screws that secure the bandswitch INDEX assembly at the front of amp, the index and shaft are pulled out the front of the amp and out of the bandswitch. MARK which part of the index is up, it must go back in the same way!
- 4) Unscrew and desolder all external connections from the tank circuit. The TUNE and LOAD capacitors stay mounted on the chassis, unscrew the tank coil tab from the rear of TUNE cap and unsolder straps from center of TUNE and LOAD caps.
- 5) Remove two large screws securing tank coil to white posts on the tubedeck box. Remove screws from front of front sub-chassis that hold the 160/80 pad-cap board, L-inductor, and 160/80 inductor. Remove nut securing strap to bottom-front of LOAD cap, use nutdriver through hole in front sub-chassis.
- 6) Remove screws securing rear bandswitch bracket to chassis bottom and take the tank circuit out of the amplifier chassis.
- 7) Desolder the straps from the switch wafer and remove the threaded rods
- 8) Replace the wafer and then install the threaded rods
- 9) Resolder all connections on the wafer.
- 10) Replace the repaired tank circuit in the amp chassis.
- 11) Install the index assembly with the shaft back into the bandswitch wafers, be careful to install it the same way it was removed (not turned 180 degrees). Tighten the set screws on shaft coupler.
- 12) Adjust the index so the bandswitch wafer fingers are centered on the fixed contact pads. Tighten the two index screws. Check wafer contact alignment on all 3 wafers!
- 13) Install front panel and knobs. With both capacitors set to MAX capacitance, the TUNE=100 and LOAD=Zero.