

BIAS

BIAS is not
60ma
(60ma resting plate
current)

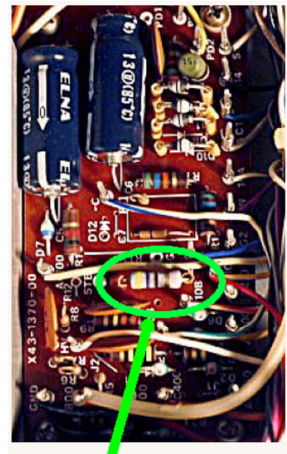
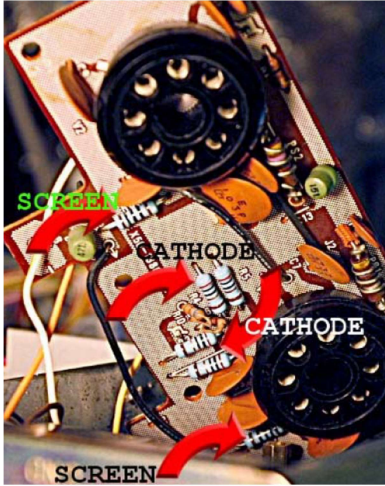
Mandatory Reading:
TS-830 Survival Guide, edited by
DL9AI
www.wb4hfn.com/kenwood/articles

BIAS
Resting Current

Perform
operations in
Section 4.3 of the
operations
manual, page #17

Manual can be download at:
www.wb4hfn.com/kenwood/manuals

- 1) Connect 50 ohm dummy load
- 2) Power switch = ON
- 3) Heater Switch = ON
- 4) MIC Gain CCW
- 5) MODE switch to SSB
- 6) Meter Switch to IP
- 7) STAND-BY switch to SEND
- 8) Adjust BIAS (60ma resting current) with BIAS control on rear to 60ma
- 9) STAND-BY switch to REC



NO BIAS now 60ma? YES → Good Job

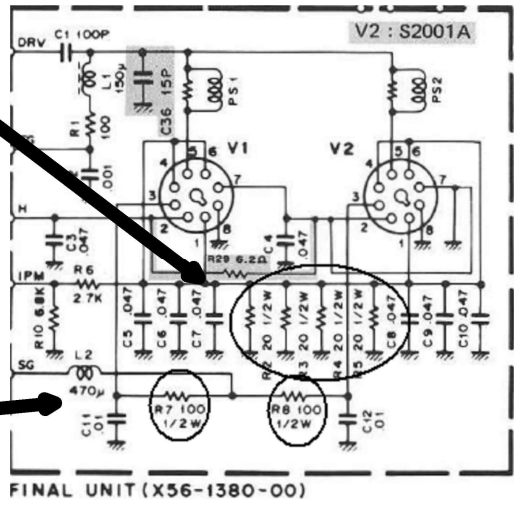
Check Screen & Cathode Resistors

CATHODE resistors are in parallel. Either two 10 ohm or four 20 ohm so meter should indicate close to 5 ohms.

CAUTION !!! HIGH VOLTAGE...

Cathode Restance should be 5 +/- .2 ohm.

Screen Restance should be 100 +/- 2 ohm.



Restance ok? → YES → Replace 12BY7 Driver Tube

Restance ok? → NO → Replace Resistors - Ken K4EAA or Jim KE7OAY have replacements

Replace Resistors - Ken K4EAA or Jim KE7OAY have replacements

RF Output OK? → YES → Optional: Install 6146 Arc Over mod. File Location: WB4HFN.COM

RF Output OK? → NO → (Loop back to Restance ok?)

Replace 12BY7 Driver Tube

RF Output OK? → YES → (Loop back to Restance ok?)

RF Output OK? → NO → SG

RF Output OK? → NO → RF

HAVE FUN..