HYBRID
NO RF OUTPUT

CAUTION !!! HIGH VOLTAGE...

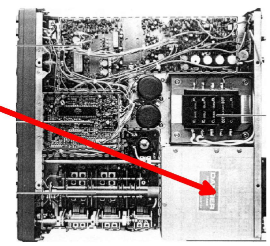
RF → NO RF OUTPUT

Make sure
SG Switch = ON
HV Switch = ON
HEATER Switch =ON

XMIT SW = ON
--*-*-*-*-*-*-*-*-*
Meter HV be close to 900 Volts.
-
Filament glow in final tubes ok?

Mandantory Reading:
TS-830 Survival Guide, edited by DL9AI

www.wb4hfn.com/kenwood/articles



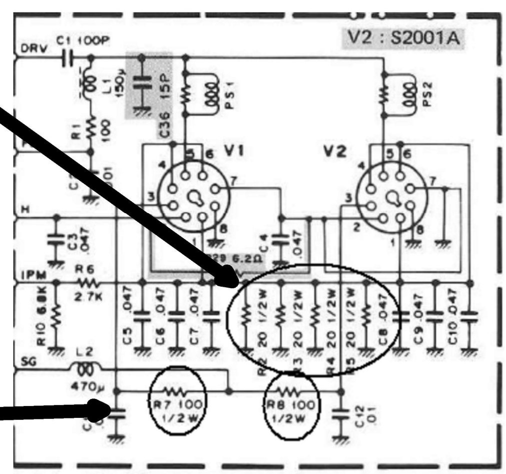
High Voltage OK?
- NO → HV
- YES → Mic Gain Pot = CCW. Carrier control = CW Send Switch = ON

IP Meter 60 ma in Xmit?
- NO → Adjust BIAS pot on rear panel to 60ma → BIAS OK?
  - NO → BIAS
  - YES → RF Ouput?
    - YES → HAVE FUN..
    - NO → Problem on ALL Bands?
      - YES → 1) Bad RL-1 Aux Cntrl Relay on Audio PCB 1b) Tap top of relay and see if any change. 2) Bad Molex Plug #6 on Audio PCB 2b) Wiggle Plug #6 and see if any change. → Check Screen & Cathode Resistors
      - NO → 1) Bad or Dirty bandswitch on RF PCB. 2) Try DeOxit D5. If needed D100L. 3) Apply to wiper and rotate to contact. → RF
- YES → ALC OK ?
  - NO → ALC
  - YES → Check Screen & Cathode Resistors

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.

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

Screen Restance should be 100 +/- 2 ohm.

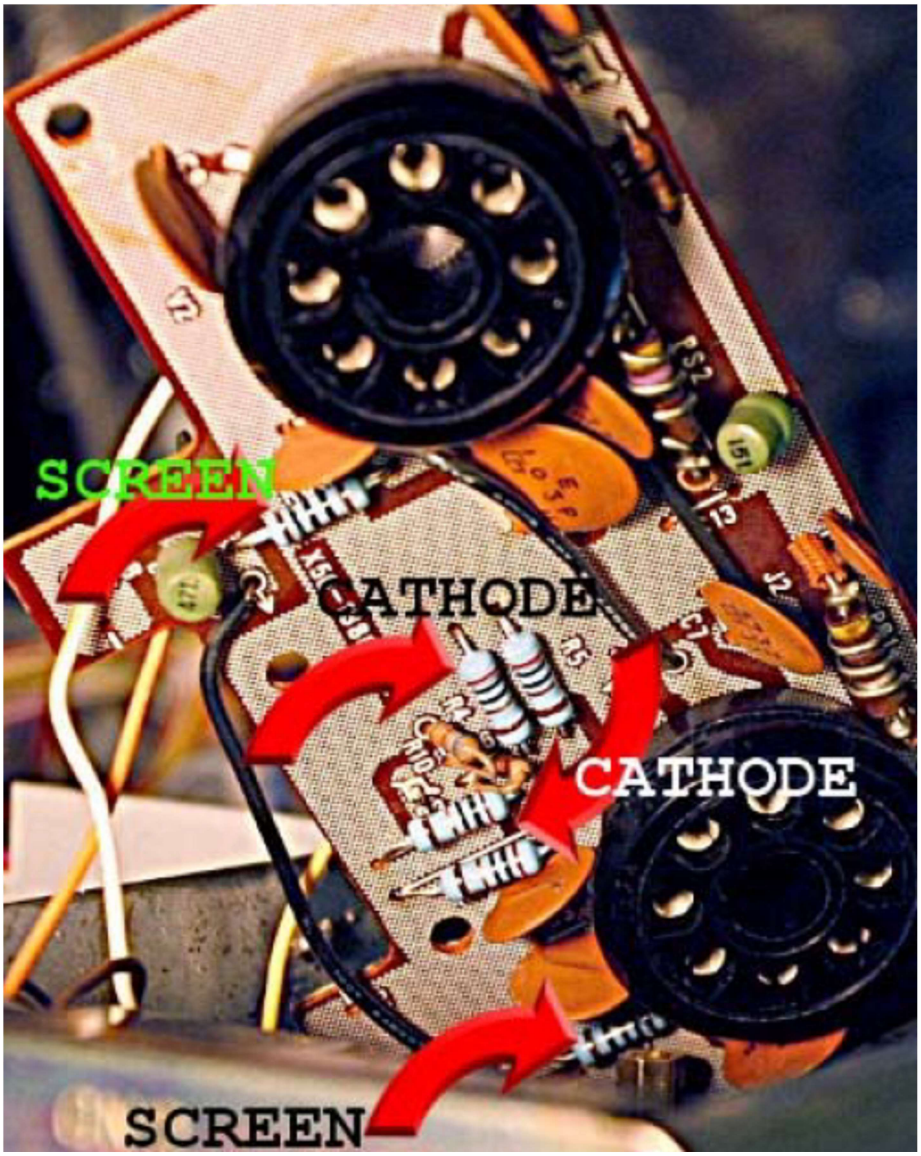


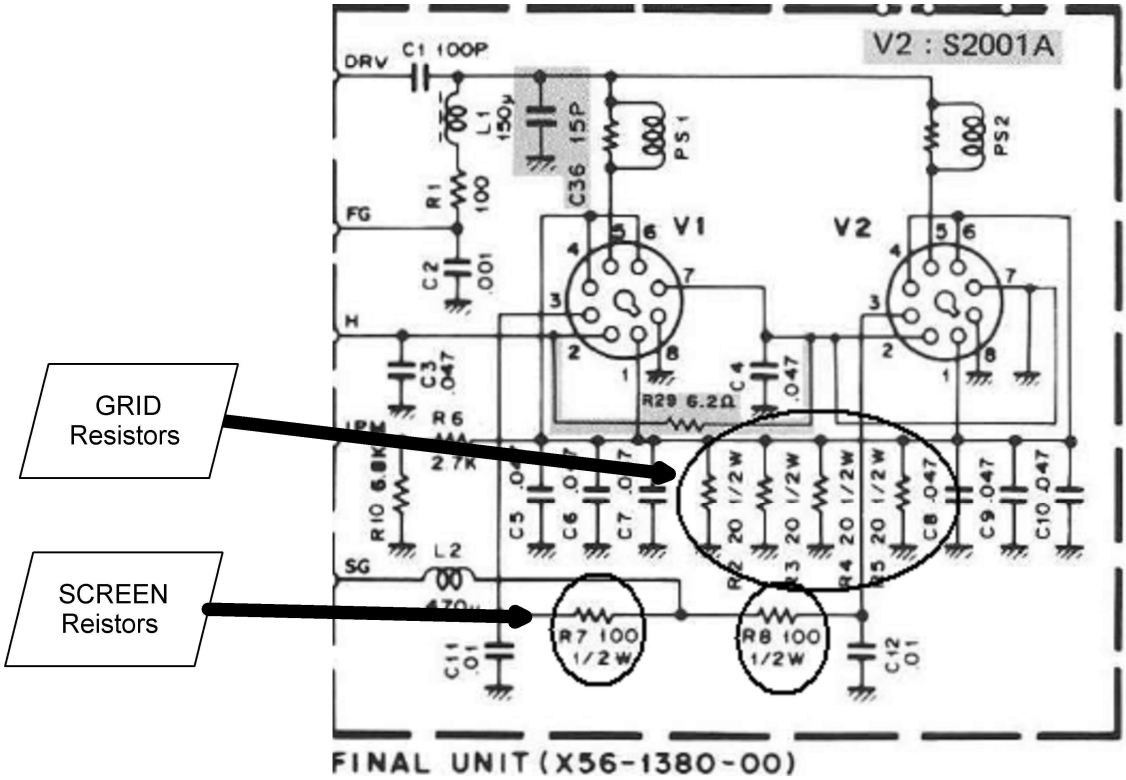
FINAL UNIT (X56-1380-00)

CAUTION !!! HIGH VOLTAGE...

Restance ok?
- NO → Replace Resistors - Ken K4EAA or Jim KE7OAY have replacements → RF Output OK?
  - YES → Optional: Install 6146 Arc Over mod. File Location: WB4HFN.COM → HAVE FUN..
  - NO → Replace 12BY7 Driver Tube
- YES → Replace 12BY7 Driver Tube

Replace 12BY7 Driver Tube → RF Output OK?
- YES → HAVE FUN..
- NO → SG





FINAL UNIT (X56-1380-00)