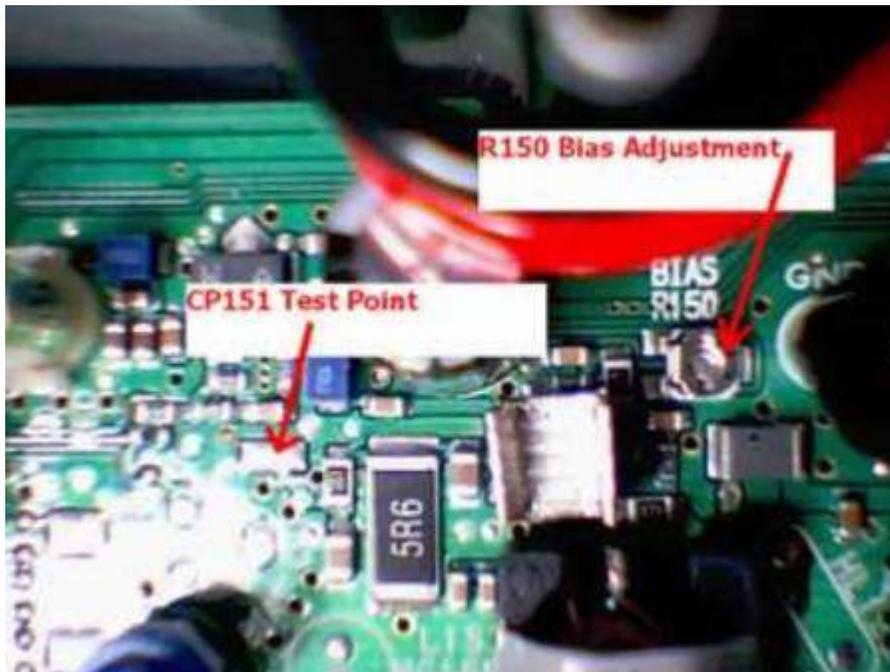


Many Icom IC-703 radios have left the factory with the driver bias adjustment set excessively high. This may have caused many of the driver transistor failures in this radio. The following procedure allows users to set the drive transistor bias properly.



1. Set the radio to a frequency of 14.000 MHz USB and attach a dummy load to the antenna connector.
2. Use a regulated 13.8-volt power supply to power the radio.
3. Set the Mic gain in the menu to zero.
4. Remove nine (9) screws holding the bottom cover, remove and set cover aside.
5. Attach the negative lead of a digital voltmeter to chassis ground.
6. Attach the positive lead of the digital voltmeter to CP151 Test Point (a square solder pad on the PC board).
7. Key the radio and observe the voltage reading. It will rise for a few seconds before stabilizing.
8. If the voltage rises much above .5 volts, readjust R150 for a reading of .5 volts. R150 is very small and requires a steady hand and a very small blade screwdriver. Very small movements make large differences. You will have two RF interconnect cables in your way (removed in the photo) over R150 you will have to work around.
9. After completing your adjustments, replace the bottom cover and the nine screws holding it.

Remember to reset your mic gain to its previous value. This adjustment does not affect the output power.

Johnny WB4U