

KENWOOD

SB-937

SERVICE BULLETIN AMATEUR RADIO

SUBJECT	DATE
TM-721A AF PA WHITE NOISE WITH SQUELCH ON	6/02/88

Some users of the TM-721A may detect white noise from the speaker with the squelch turned on. The noise can be reduced by lowering the gain of the Audio Frequency Power Amplifier. To compensate for the reduction, the gain of the pre-amplifiers will be increased. In addition, the beep level will be raised.

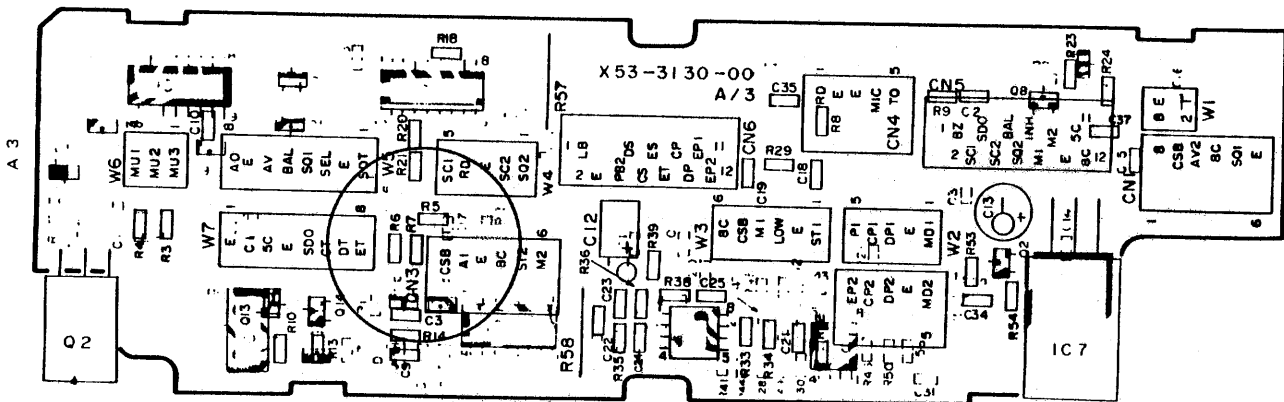
REQUIRED PARTS

12K OHM 1/10 WATT CHIP RESISTOR	RK73FB2A123J
18K OHM 1/10 WATT CHIP RESISTOR	RK73FB2A183J

1. Disconnect the power supply and antenna from the transceiver.
2. Remove the top and bottom covers (12 screws). Do not damage the speaker wires when removing the top cover.
3. Unplug all connectors from the TX-RX (VHF) unit on the top of the transceiver. Remove the 7 screws from the board and then pull the board from the transceiver.
4. Unplug all connectors from the TX-RX (UHF) unit on the bottom of the transceiver. Remove the 6 screws from the board and then pull the board from the transceiver.
5. Remove the silver colored screws from the front panel chassis (2 on each side, 1 on top, and 1 on the bottom).
6. Pull the front panel assembly away from the body of the transceiver (do not disconnect any cables).
7. Remove the 6 screws from the Control unit (A/3) which is mounted on the body of the transceiver.
8. Pull the board away from the transceiver, but do not disconnect the red and black wires. Keep track of the two short coax cables that run under the Control unit. The cables connect between both TX-RX units.

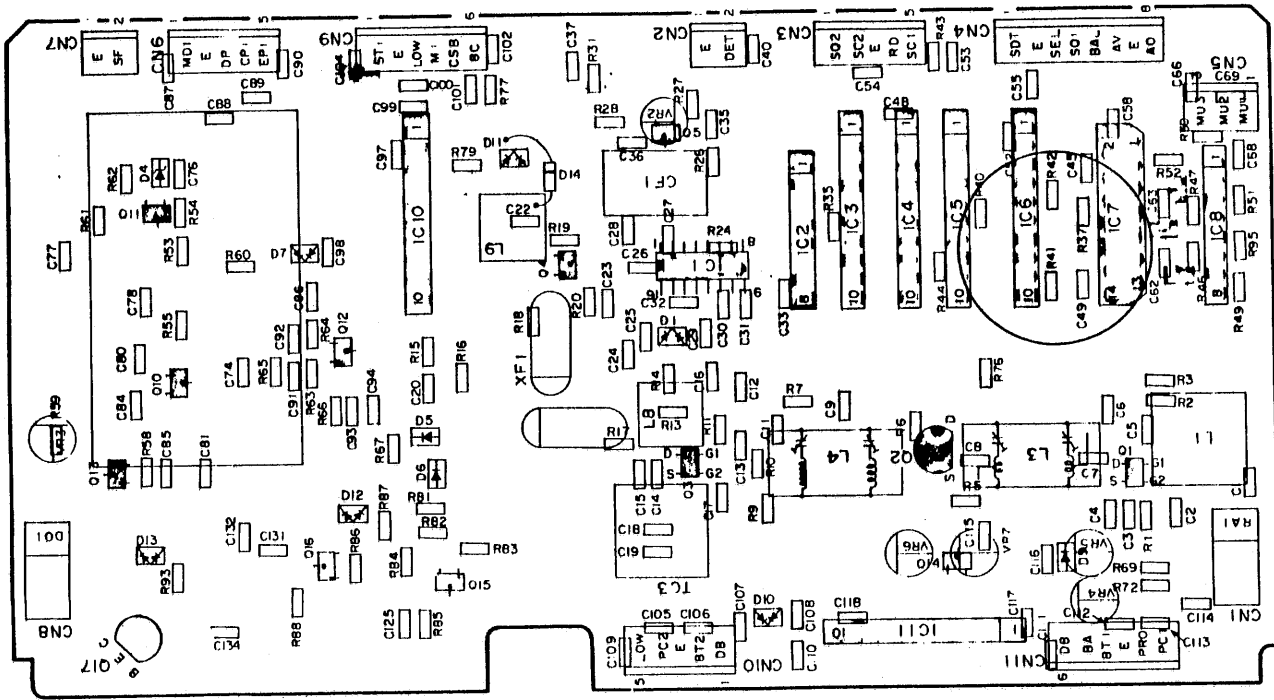
PAGE 1 OF 3

9. On the component side of the Control board (the side with the majority of connectors) replace R7 with an 18K ohm chip resistor (Figure 1).
10. Assemble the front panel by reversing steps 5 - 8. Do not forget to run the two short coax cables (mentioned in step 8) under the Control unit.
11. On the foil side of the TX-RX (UHF) unit, remove chip resistors R37 and R41 (Figure 2).
12. On the foil side of the TX-RX (VHF) unit, replace R43 with a 12K ohm chip resistor (Figure 3).
13. Assemble the transceiver by reversing steps 1 - 4.



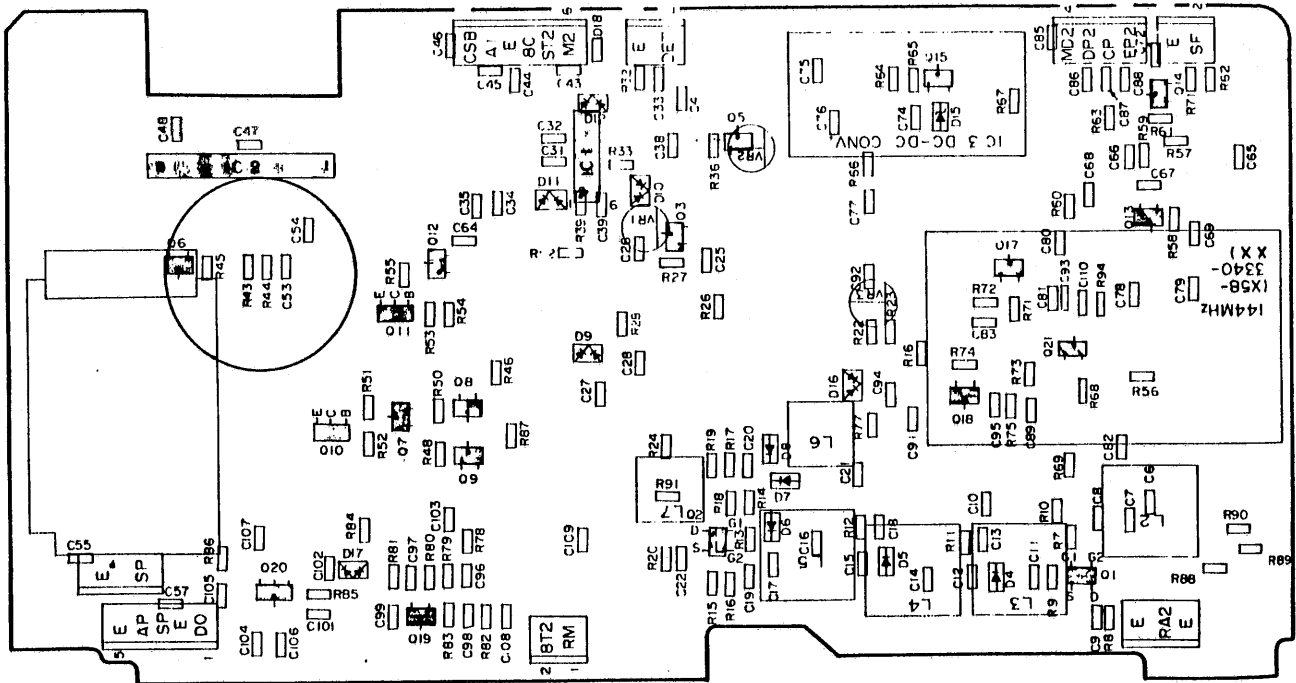
CONTROL UNIT

FIGURE 1



TX-RX (UHF) UNIT

FIGURE 2



TX-RX (VHF) UNIT

FIGURE 3

This modification may not be covered under warranty.
 Time required for this modification is 1.5 hrs or less. (C) 051288TKC

