KENWOOD

SB-936

SERVICE BULLETIN AMATEUR RADIO

SUBJECT	DATE
TM-721A S-METER DEFLECTION DUE TO PULSE NOISE	6/02/88

When the TM-721A is operated mobile, strong ignition noise generated by motorcycles may cause the S-meter to deflect on the VHF band. The ignition noise cannot be mistaken for a signal because the busy light does not come on, but the S-meter deflection may be distracting. The following modification will prevent this occurrence.

PARTS REQUIRED:

10pF, 50V CHIP CAPACITOR	CC41FCH1H100D
0.47uF, 25V CHIP CAPACITOR	C92-0003-05

1. Disconnect the power supply and antenna from the transceiver.
2. Remove the top cover. Disconnect the speaker wires.
3. Unplug all connectors on the TX-RX (VHF) unit. Remove the 7 screws securing the board to the transceiver and then remove the board from the transceiver.
4. Desolder and remove C39 from the bottom of the board. Install and solder a 10pF capacitor in place of C39 (Figure 1).
5. Add a 0.47uF capacitor from the junction of R39 and D11 to ground (Figure 1). Install the TX-RX unit.

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S-METER ALIGNMENT

1. Apply power to the transceiver.

2. Set the transceiver to receive at 146.040MHz.

3. Inject a -1dBu (0.45uV) signal into the VHF antenna connector.

4. Adjust VR2 on the TX-RX (VHF) unit to obtain an S-1 indication on the display.

5. Increase the input signal to 30dBu (15.8uV) and verify that all the LEDs light.

6. Disconnect the signal generator. Turn the transceiver off. Install the top cover (don't forget to plug in the speaker).

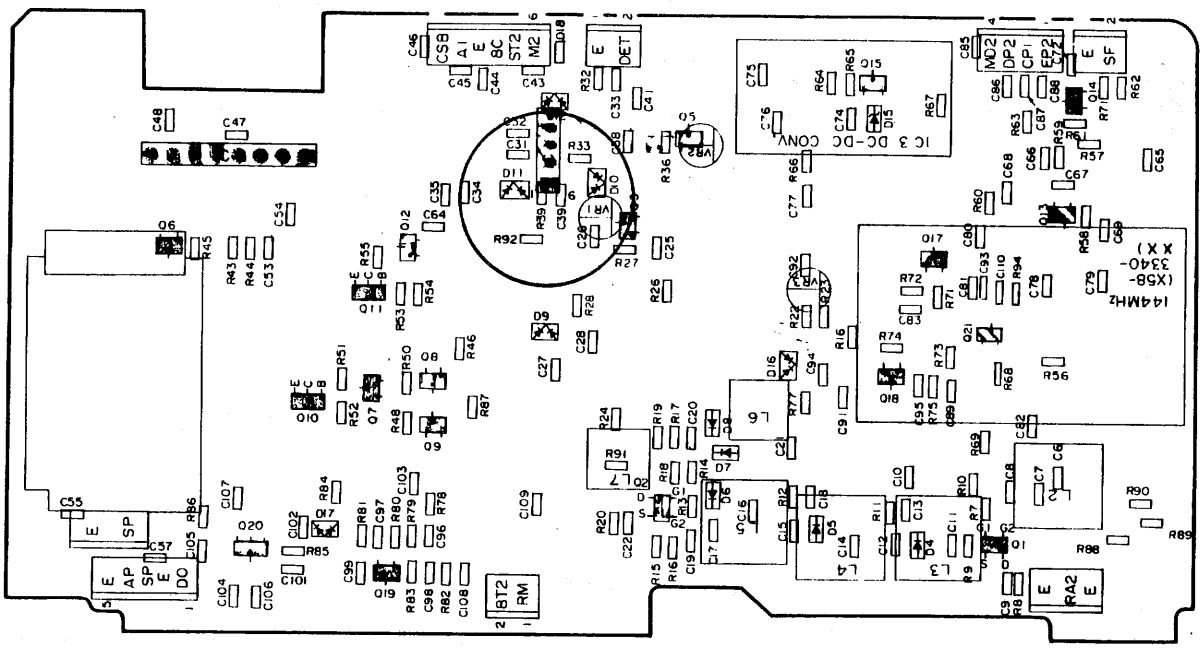

FIGURE 1

This modification may not be covered under warranty.
Time required for this modification is 1.0 hrs or less. (C) 43088TKC