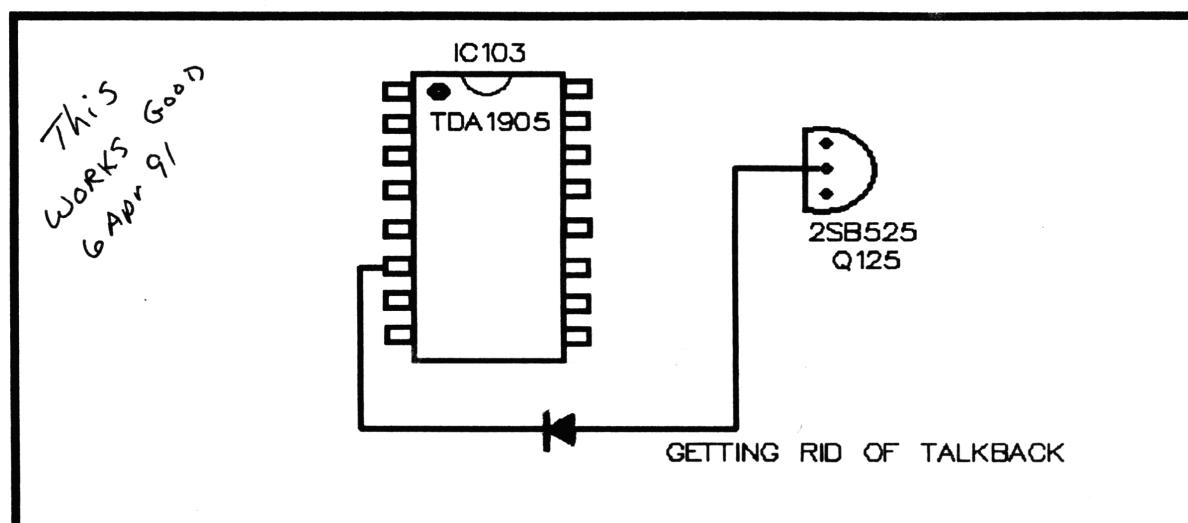


ONE METHOD TO GET RID OF THE TALKBACK IN THE 2510, MOD-I

A



FIGURE# 4.....GETTING RID OF TALKBACK

ONE METHOD TO GET RID OF THE TALKBACK IN THE 2510, MOD-I

● MARK WASSERMAN

To get rid of talkback in the HR2510, all you have to do is install on 1N914 silicon switching diode.

- (1) Hook the cathode to pin 6 of IC103.
- (2) Hook the anode to the center pin of transistor TR125. (This turns off the audio during transmit.)

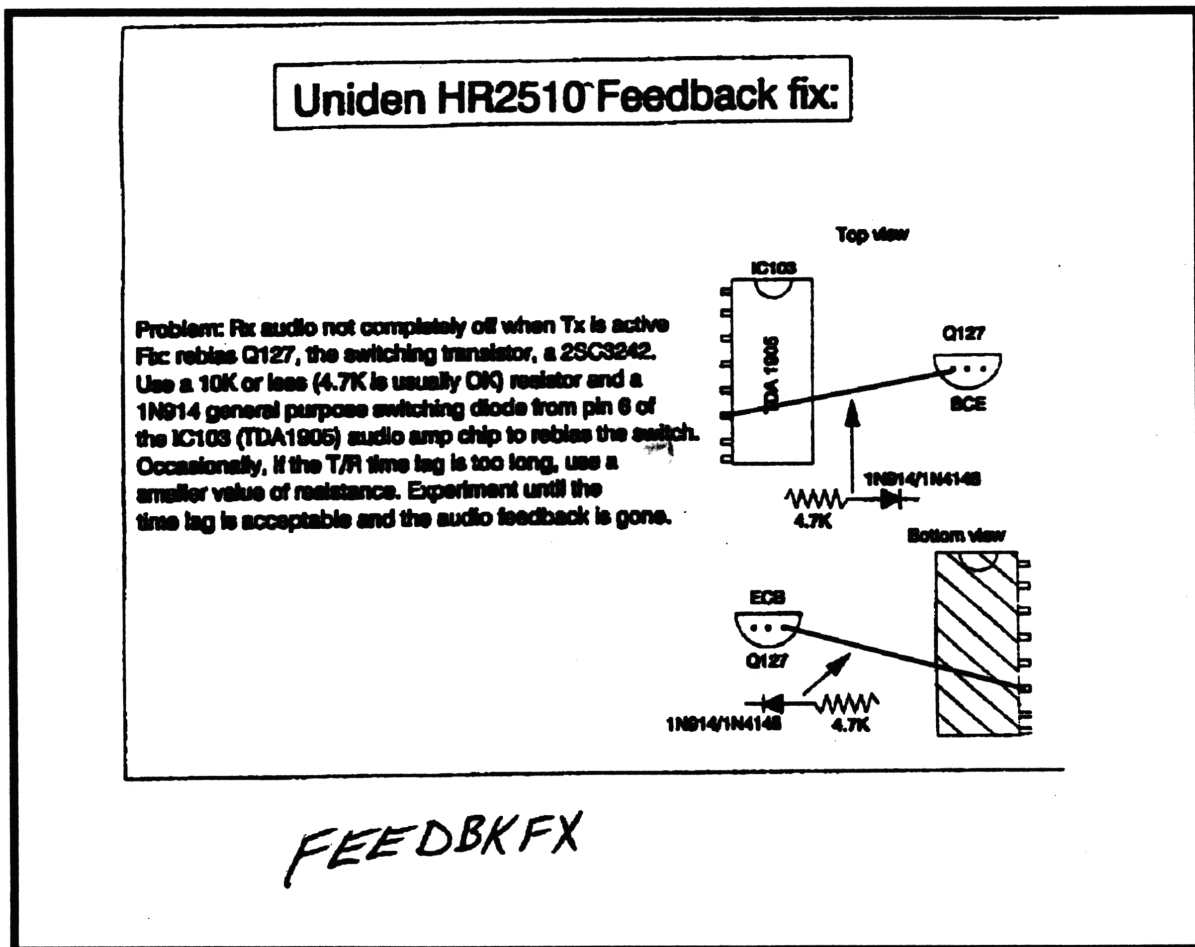
These parts can be found on the left side of the radio toward the back. This modification has been used for one year with no problems. View is looking down from the top, front of radio toward you.

UNIDEN HR2510 FEEDBACK FIX, MOD-II

● Sam T&S Electronics

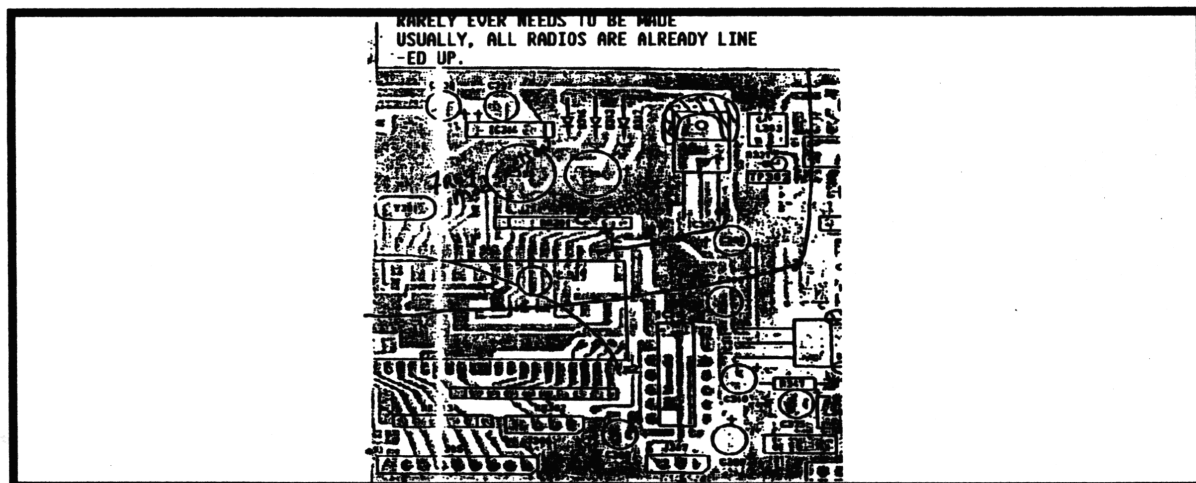
When speaking loudly into the microphone or adding a power mike (the Cobra CA-71 is great for the price!) to the HR2510, the audio feedback is obnoxious! It seems that the audio amplifier chip, IC-103, a TDA 1905 is not quite switched over to the TX from RX when you key the mike. The fix is to rebias the switched

UNIDEN HR2510 FEEDBACK FIX, MOD-II



FIGURE#5.....FEED BACK FIX, MOD-II

transistor Q127 with a resistor and diode as per the accompanying diagram. Of course, as you will note from the lovely red-letter warning note packed with the units, any modifications to the unit voids your warranty and allows Uniden to turn



FIGURE#6.....UC1250 FREQ MOD

PRESIDENT HR2510 WITH UC1250 FREQUENCY MOD

you into the FCC! Nice doing business with you, Uniden, you are such a nice company to deal with!

Problem: Rx audio not completely off when TX is active

Fix: rebias Q127, the switching transistor, a 2SC3242 Use a 10K or less (4.7K is usually OK) resistor and a 1N914 general purpose switching diode from pin 6 of the IC103 (TDA1905) audio amp chip to rebias the switch. Occasionally, if the T/R time lag is too long, use a smaller value of resistance. Experiment until the time lag is acceptable and the audio feedback is gone.

PRESIDENT HR2510 WITH UC1250 FREQUENCY MOD

• CLARK R. KIRKLAND

PLL: UNIDEN-UC1250

HR-2510 Freq Mod. Remove speaker side of radio and remove the board. The board is in a metal frame about 1/2 the size as main board. Turn board over and find pins 34-35 cut trace and add 15K resistor as before. Note JF radio has epoxy. Heat with 400 W. hair dryer. Pick off. The last one I did was soft. It came off easy with no heat.

Tune up.

ALC VR 104

AMC VR-114

President Lincoln Freq mod.

Connect Pin 34-35 Together and that is it.

26.000-29.6999 some will go to 29.9999

Tune up same as HR-2510

NOTE: All work done on back side of PB-160AB. Back side of PB-120AB is exposed inside of HR2510

(1) Resistance values are shown in Ohms unless otherwise noted. (K = Kilohm; M = Megohm).

(2) Resistor wattages are 1/8W unless otherwise noted.