

9-26.815	27.615	22-WITHIN	27.775
10-26.825	27.625	23-REGULAR	VCO
11-26.835	27.635	24-40 CH.S	QUITS
12-26.855	27.655	UP TO 40	
13-26.865	27.665		

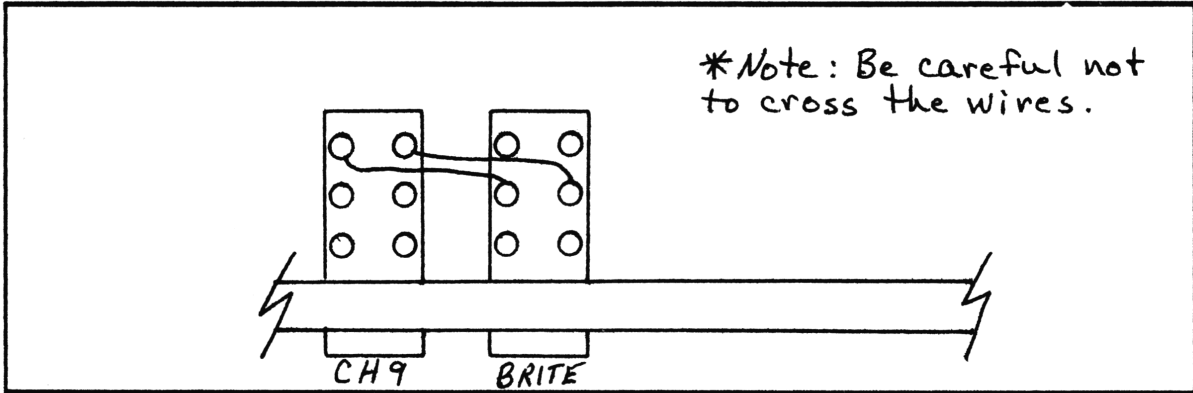


FIGURE 3. AR44/25GTL

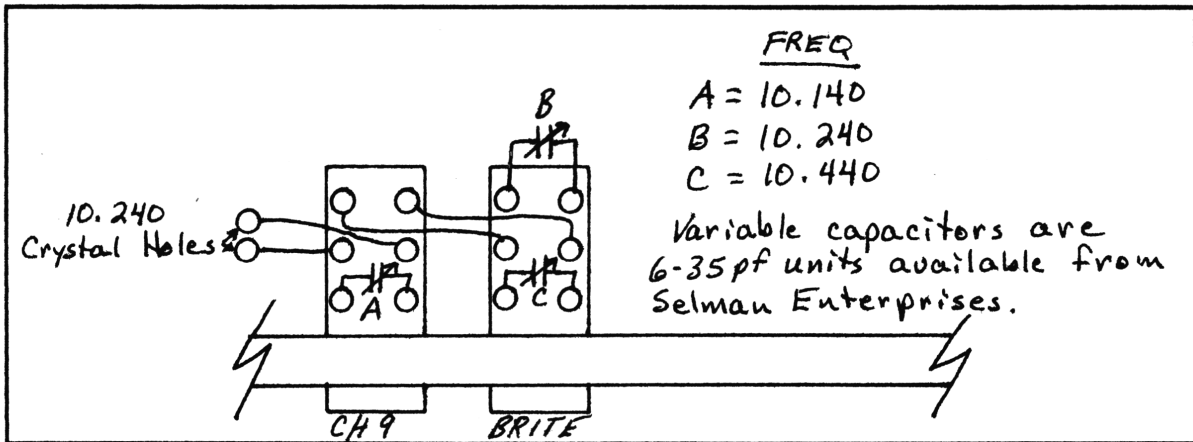


FIGURE 4. AR44/25GTL

23 CHANNEL RADIO CONVERSION

. KENNETH HOLYFIELD

THIS CONVERSION IS FOR 23 CHANNEL RADIOS USING 23MHz CRYSTALS WITH 11.272MHz TRANSMIT CRYSTAL AND 11.730MHz RECEIVE CRYSTAL.

THE CRYSTALS REQUIRED FOR 26.865MHz 26.955MHz ARE 11.575MHz TRANSMIT AND 12.030MHz FOR RECEIVE.

FOR CHANNELS 24 52, USE 11.000MHz TRANSMIT AND 11.455MHz RECEIVE.

YOU WILL NEED A '6' POSITION 2 POLE ROTARY SWITCH. (SECRET CB ITEM # 95.)

23 CHANNEL RADIO CONVERSION

1. REMOVE THE 11.275MHZ TRANSMIT CRYSTAL FROM THE RADIO AND SOLDER ONE LEAD TO PIN "D" OF SWITCH 1.
2. REMOVE THE 11.730MHZ RECEIVE CRYSTAL FROM THE RADIO AND SOLDER ONE LEAD TO PIN "J" OF SWITCH 1.

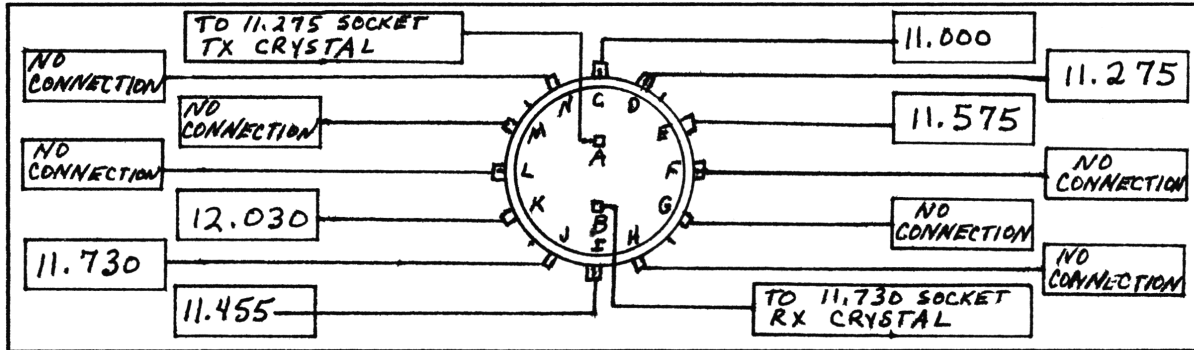


FIGURE 1. 23 CHANNELS RADIOS

3. REFER TO FIGURE 1. ADD THE NEW CRYSTALS AS SHOWN. CONT.NOTE: BE CAREFUL TO KEEP THE RECEIVE CRYSTALS AND THE TRANSMIT CRYSTALS IN THE CORRECT SEQUENCE ON SWITCH 1.

- 11.000MHZ TO PIN "C"
- 11.575MHZ TO PIN "E"
- 11.455MHZ TO PIN "I"
- 12.030MHZ TO PIN "K"

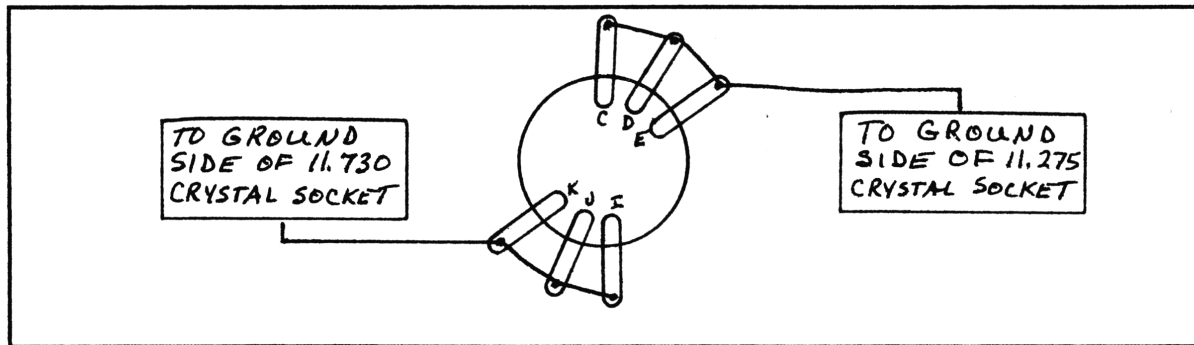


FIGURE 2. 23 CHANNEL RADIOS

4. NOW SOLDER A WIRE FROM THE TRANSMIT CRYSTAL SOCKET GROUND HOLE IN THE RADIO TO THE UNATTACHED LEGS OF CRYSTALS 11.000, 11.275, AND 11.575.
5. NEXT, SOLDER A WIRE FROM THE RECEIVE CRYSTAL SOCKET GROUND HOLE IN THE RADIO TO THE UNATTACHED LEGS OF CRYSTALS 11.455, 11.730, AND 12.030.
6. CONNECT A WIRE FROM PIN "A" OF SWITCH 1 TO THE "HOT" SIDE OF THE TRANSMIT CRYSTAL SOCKET IN THE RADIO.

7. THEN, CONNECT A WIRE FROM PIN "B" OF SWITCH 1, TO THE "HOT" SIDE OF THE RECEIVE CRYSTAL SOCKET IN THE RADIO. THIS COMPLETES THE CONVERSION. IF YOU EXPERIENCE PROBLEMS, BE SURE TO CHECK THE SEQUENCE OF THE CRYSTALS. IF NOT IN CORRECT ORDER, WILL CAUSE SPLIT TRANSMIT/RECEIVE. (POSSIBILITIES!!!)

SPECIAL ORDER CRYSTALS ARE AVAILABLE FROM
 SELMAN ENTERPRISES.

P.O. BOX 8189 ,CORPUS CHRISTI, TX 78468-8189
 PHONE 1-512-853-2935

RAIDER 4060 UPDATE

. *KENNETH HOLYFIELD*

PLL = MSM5807

THIS IS AN UPDATED MODIFICATION TO THE RAIDER 4060. IT REQUIRES TWO SPDT CENTER OFF SWITCHES AND ONE SPST SWITCH. ALL SWITCHES ARE AVAILABLE FROM SELMAN. THIS IS A REAL "HONEY" OF A RADIO, IF YOU CAN FIND IT! RAIDER 4060 UPDATE CONTINUED

1. CUT THE TRACE BETWEEN THE CHANNEL SELECTOR AND PIN 1 OF THE PLL IC.
2. WIRE THE SPDT SWITCHES AS SHOWN IN FIGURE 1. REMEMBER THERE IS USUALLY A SMALL DOT ON THE CHIP INDICATING PIN 1.
3. ISOLATE PIN 3 FROM PIN 4.
4. CUT THE TRACE BETWEEN PINS 4 AND 16, AND WIRE AS SHOWN IN FIGURE 1.
5. NEXT, SOLDER THE JUMPER WIRES ON THE OUTSIDE PINS OF SWITCH 3, BETWEEN SWITCH 3 AND 2 AS SHOWN.

WITH DIFFERENT COMBINATIONS OF THE THREE SWITCHES, THE RADIO WILL YIELD 25.525 27.635MHz. THIS IS SOME KIND OF A RADIO! YOU MUST DO SOME RETUNING TO THE VCO AS WELL AS THE TX CANS TO KEEP POWER EQUAL FROM TOP TO BOTTOM.

GENERAL ELECTRIC 3-5804A

. *TERRY MANN*

THIS MODIFICATION GIVES 27.745MHz 28.045MHz.

PLL = LC7110

MODULATION = VR7

RF POWER = T803, T804, T805, T806, AND T807.