

5.REMOVE R58 AND REPLACE WITH A 10 OHM RESISTOR. KEEP THE LEADS SHORT! IF THE RADIO GOES INTO OSCILLATIONS (NOTED BY A REPEATED CHIRPING SOUND FROM SPEAKER), YOU WILL HAVE TO INCREASE THE RESISTANCE OF THE NEW R58. GO UP IN 50 OHM INCREMENTS.

### TUNEUP

1.GO TO THE CENTER OF YOUR FREQUENCY SPREAD. ADJUST L10, L7, L6, & L5 HERE FOR PEAK "WEAK" SIGNAL READING ON THE S/RF METER. DON'T TRY TO ADJUST THEM USING AN "S9" SIGNAL!

2.GO TO YOUR HIGHEST FREQUENCY NOW AND ADJUST L9 FOR PEAK.

3.NOW GO TO YOUR LOWEST FREQUENCY AND ADJUST L8 FOR PEAK. BOUNCE BACK AND FORTH BETWEEN THESE TWO ADJUSTMENTS UNTIL YOU A SATISFACTORY BALANCE OF RECEIVE GAIN.

*NOTE: YOU DON'T HAVE TO HAVE A SIGNAL GENERATOR TO DO THE ALIGNMENT. (IT HELPS OF COURSE.) YOU CAN JUST USE BACKGROUND NOISE AND GET IT PRETTY CLOSE, BUT LISTEN CAREFULLY! ONE THING YOU MAY NOTICE AS SOON AS YOU START USING THE RADIO IS A SLIGHT INCREASE IN BLEEDOVER. THIS HAPPENS WHEN YOU INCREASE THE GAIN OF THE IF STAGE SUCH AS WE'VE DONE HERE. IF THE BLEEDOVER IS TOO BAD FOR YOU, YOU CAN ORDER AN FT2 FILTER AND INSTALL IT IN SERIES WITH THE EXISTING ONE (OR ADD IT IF YOUR RADIO DOESN'T HAVE IT.) OR PUTTING THE OLD R58 BACK IN. A WORD OF CAUTION HERE, DON'T TRY REPLACING R58 WITH A POTENTIOMETER. YOU'LL BE TUNING IN ALL KINDS OF AM BROADCAST RADIO STATIONS! IF YOUR RADIO DOES NOT HAVE AN RF GAIN, I SUGGEST YOU INSTALL ONE. YOU'RE GOING TO NEED IT NOW!*

## THE UNIDEN PRESIDENT HR2510 CONVERSION

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• ROY A. WIGLESWORTH

THIS IS A VERY NICE TEN METER AMATEUR TRANSCEIVER FROM UNIDEN. ITS' DISPLAY GIVES FREQUENCY OUT TO FOUR PLACES AFTER THE DECIMAL POINT.(I.E.,28.XXXX) AN EXTREMELY VERSITILE UNIT, CAPABLE OF COVERAGE FROM 26.0000 TO 29.9999MHZ.

PINS 34 & 35 ARE GROUNDED TOGETHER ON THE BOTTOM SIDE OF THE SYNTHESIZER BOARD.

1.CUT THE PCB PATTERN TO DISCONNECT PINS 34 & 35 FROM GROUND SO THAT BOTH ARE AT A FLOATING STATE.

2.CONNECT A 10K OHM 1/4 WATT RESISTOR BETWEEN THE JUNCTION OF PINS 34 & 35 TO THE +5VDC LINE PATTERN.(WHERE R181·187 ARE CONNECTED TOGETHER.)

## THE UNIDEN PRESIDENT LINCOLN CONVERSION

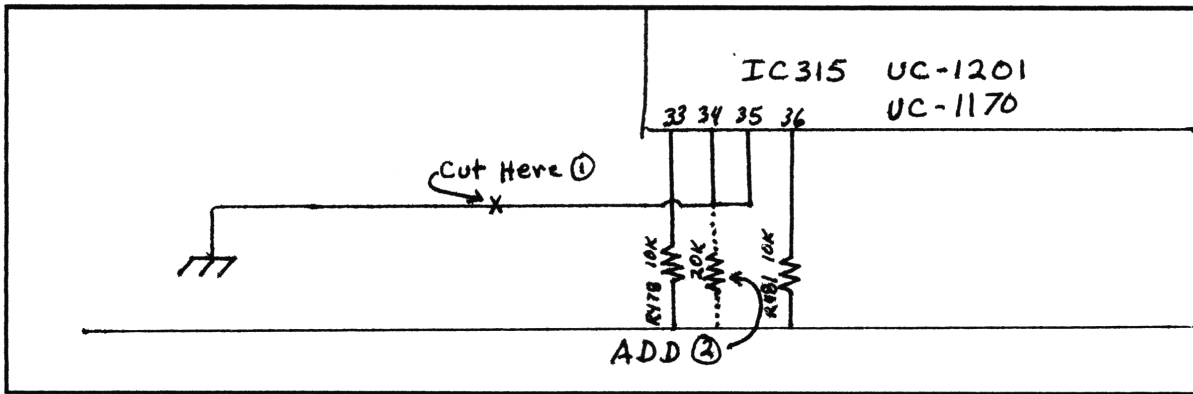


FIGURE 1. UNIDEN HR2510

# THE UNIDEN PRESIDENT LINCOLN CONVERSION

• RICK CHARLTON

THIS IS THE SISTER UNIT TO THE HR2510. IT HAS NO RF GAIN, BUT DOES HAVE AN RF POWER ADJUSTMENT IN ITS PLACE. UNFORTUNATELY, THE RF POWER KNOB ONLY WORKS FOR AM/FM, NOT SSB.

BAND SCHEME FOR BOTH UNITS IS AS FOLLOWS:

A-28.0000 TO 28.4999MHz

B-28.5000 TO 28.9999MHz

C-29.0000 TO 29.4999MHz

D-29.5000 TO 29.9999MHz

E-26.0000 TO 26.4999MHz

F-26.5000 TO 26.9999MHz

G-26.9650 TO 27.4050MHz\*\*\*CHANNEL READOUT CORRESPONDS TO ACTUAL 40 CB CHANNELS.

H-27.0000 TO 27.4999MHz

I-27.5000 TO 27.9999MHz

ALL BANKS CONTAIN 50 CHANNELS EACH EXCEPT BAND "G" WHICH HAS FORTY. NO NEED FOR CLARIFIER MOD AS UNIT HAS TUNING INCREMENTS DOWN TO 100HZ WITH DIGITAL READOUT TO SIX PLACES.

### CONVERSION

CONNECT PIN 34 TO PIN 35 OF THE HITACHI UC1170-IC ON THE SYNTHESIZER BOARD VIA SOLDER BRIDGE. THAT'S IT!