

HOWTO USE S10

1. PUT THE BAND SWITCH IN D/A.
 2. PUT THE HI/LO SWITCH ON "LO". WITH UNIT ON CHANNEL ONE, FREQUENCY COUNTER SHOULD READ 25.615MHZ.
 3. SWITCH S10 FROM NORMAL TO THE TEN METER POSITION. FREQUENCY COUNTER SHOULD NOW READ 28.175MHZ.
- YOU NOW HAVE THE FOLLOWING CAPABILITIES:

- | BAND A = 28.175-28.615
- LO- | BAND B = 28.625-29.065
- | BAND C = 29.075-29.515

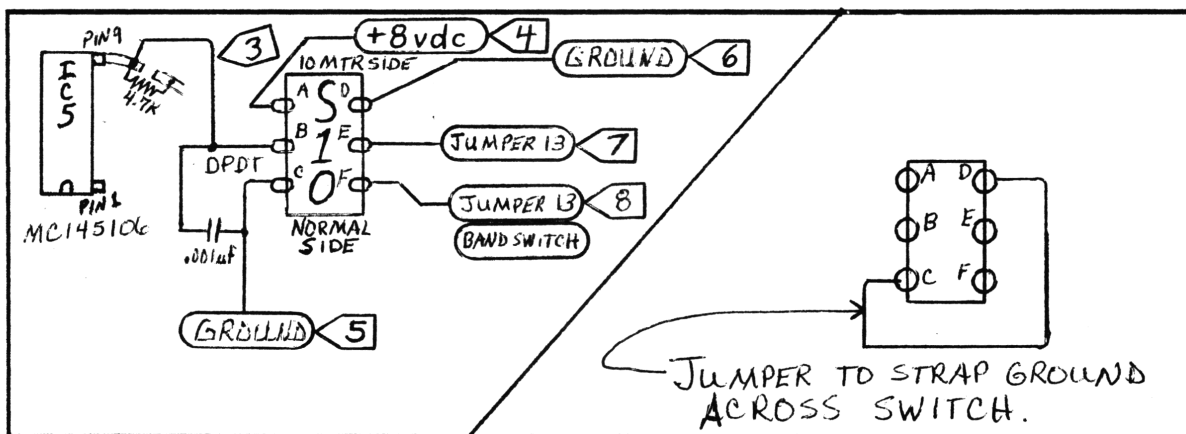


FIGURE 1. GALAXY 2100

- | BAND D = 29.525-29.965
- HI- | BAND E = 29.975-30.000, (USUALLY QUITS ABOUT 30.065)

NOTE: THE TX POWER STARTS RUNNING OUT OF STEAM AROUND 29.000MHZ. MUST BE RETURNED IF YOU WANT AN EVEN POWER SPREAD MUCH ABOVE THAT.

GALAXY 2100 ROGER BEEP

. JAMES VAUGHAN

HOW IT WORKS

TR33, THE ROGER BEEP AUDIO OSCILLATOR IS POWERED BY THE +8VDC TX (B+) SOURCE TR38. PRESSING THE MIKE KEY CAUSES 2 DIODES (D81 & D82) TO CONDUCT. D82 GROUNDS OUT THE TR33 ROGER BEEP TONE (IT WOULD NORMALLY PASS THROUGH R179 TO THE MIKE AMP, IC4). D81 CHARGES A TIMING CIRCUIT CONSISTING OF C134, R174 AND A SECTION OF IC4. RELEASING THE MIKE KEY SIMUTANEOUSLY

UNIDEN PRO540E TUNE UP

URNS OFF D81 AND D82. THE TIMING CIRCUIT WILL THEN HOLD THE TRANSMIT VOLTAGE (B+) FOR A SHORT TIME. (APPROX. .15 SEC). AND SINCE D82 IS NO LONGER GROUNDING OUT THE ROGER BEEP AUDIO, IT IS TRANSMITTED FOR THAT SHORT TIME UNTIL THE TIMING CIRCUIT IS DISCHARGED AND THE TRANSMIT VOLTAGE DROPS OFF.

HOW TO CONTROL IT

CONTROLLING THE ROGER BEEP CAN BE ACCOMPLISHED BY CONTROLLING THE TIMING CIRCUIT. C134, THE TIMING CAPACITOR, IS CONNECTED VIA A BARE WIRE JUMPER, LABELED "J9", WHICH IS LOCATED ON THE COMPONENT SIDE OF THE CIRCUIT BOARD NEAR THE S'METER. DISCONNECTING J9 WILL ALLOW THE TRANSMIT VOLTAGE TO DROP BEFORE THE TONE BURST IS TRANSMITTED. THE TWO ENDS OF J9 CAN BE WIRED THROUGH A SPST SWITCH ALLOWING THE ROGER BEEP TO BE TURNED ON OR OFF AS THE OPERATOR CHOOSES.

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PLL = TC9106BP

FINAL = 2SC2166

SQUELCH-VR1

S'METER-VR2

RF METER-VR3

SWR CAL-VR4

L10,L11,L12,L15, & L16 = TUNE FOR MAXIMUM FORWARD SWING. YOU WILL HAVE TO SPREAD OR COMPRESS L10,L11,& L15 TO TUNE.

ROYCE 1-612 UPDATE

FREQ MOD, REF: VOL#5 PG-45

• *JAMES VAUGHAN*

ANL SWITCH

1. REMOVE WHITE & BLUE WIRES FROM ANL SWITCH TO PCB AT PCB.
2. SOLDER BLUE WIRE TO TERMINAL ON PLL CAN WITH RED WIRE. (RED WIRE RUNS FROM PLL CAN TO CHANNEL SELECTOR.)
3. SOLDER WHITE WIRE TO PCB GROUND.

NEW FREQUENCIES, ANL "OFF" = GIVES 26.735-26.935 ON CHANNELS 8-23.

ANL "ON" = NORMAL CHANNELS.