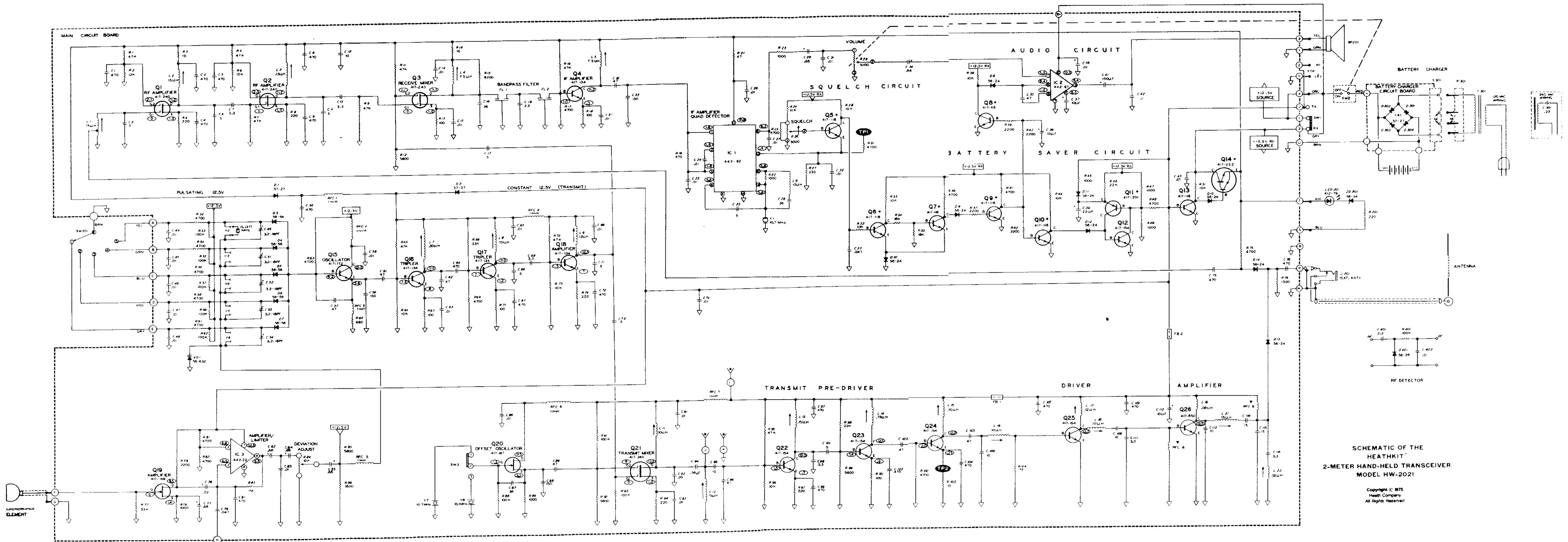




SCHEMATIC OF THE
HEATHKIT®
2-METER HAND-HELD TRANSCEIVER
MODEL HW-2021

Copyright © 1975
Heath Company
All Rights Reserved

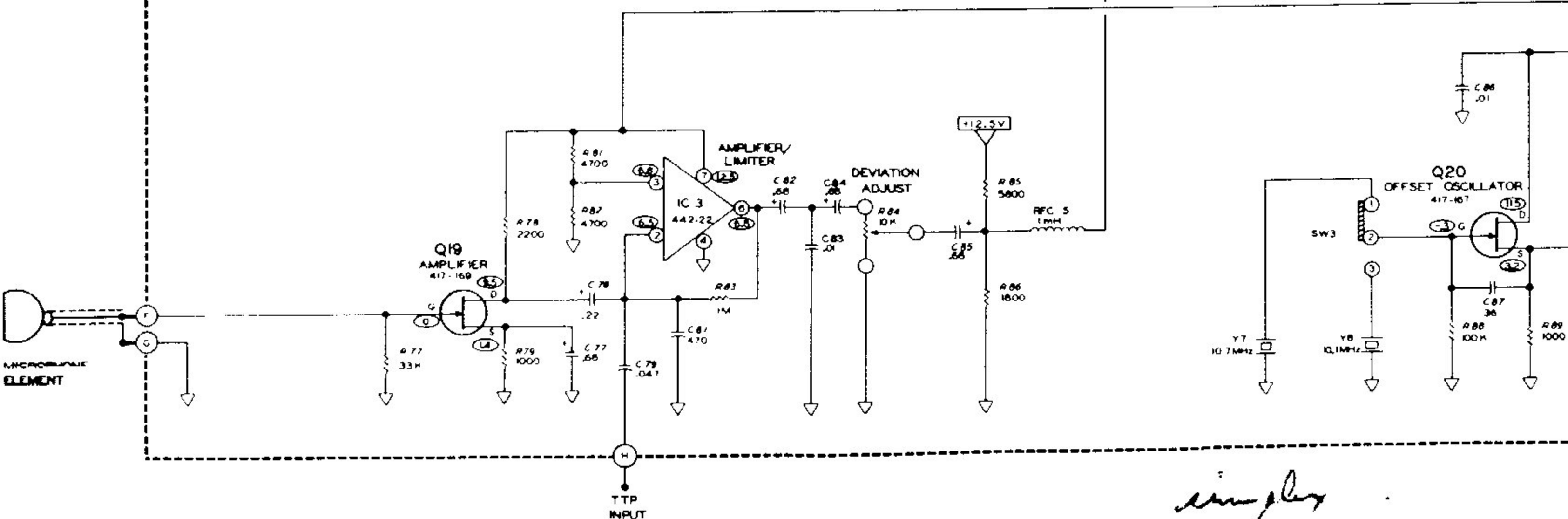
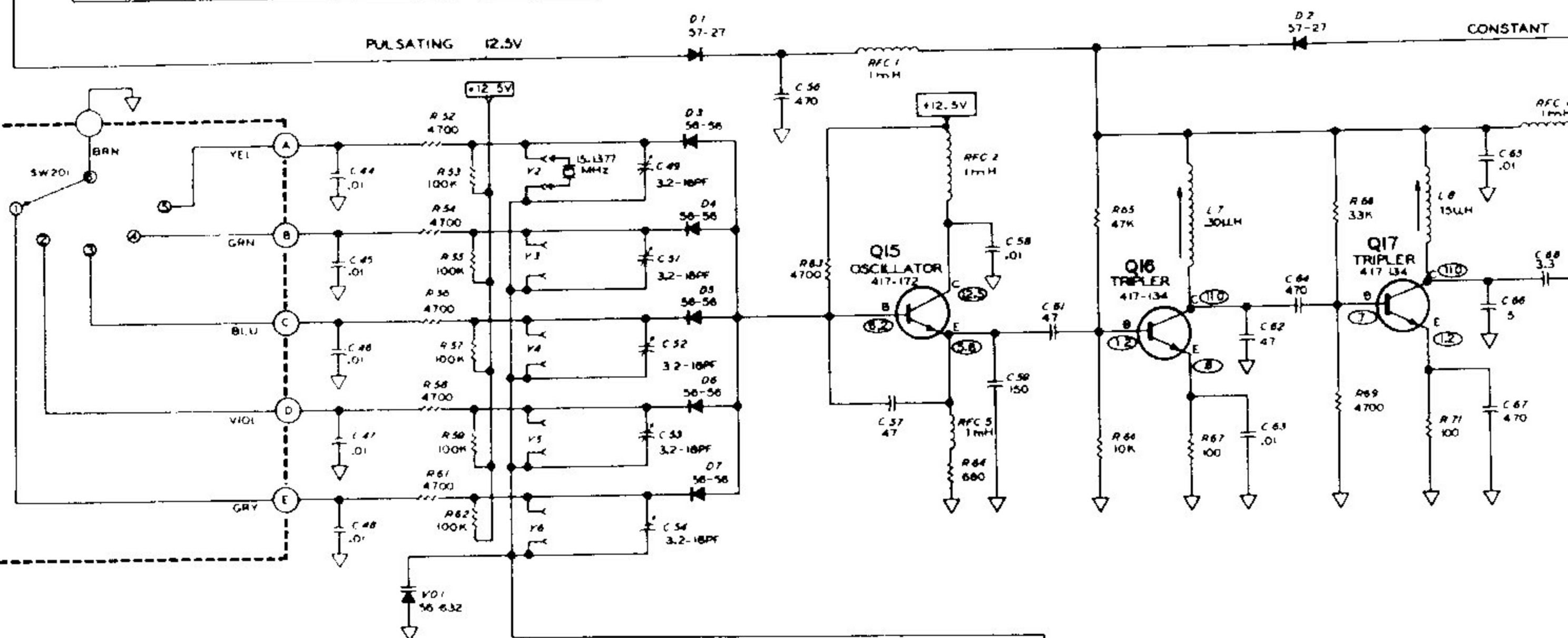
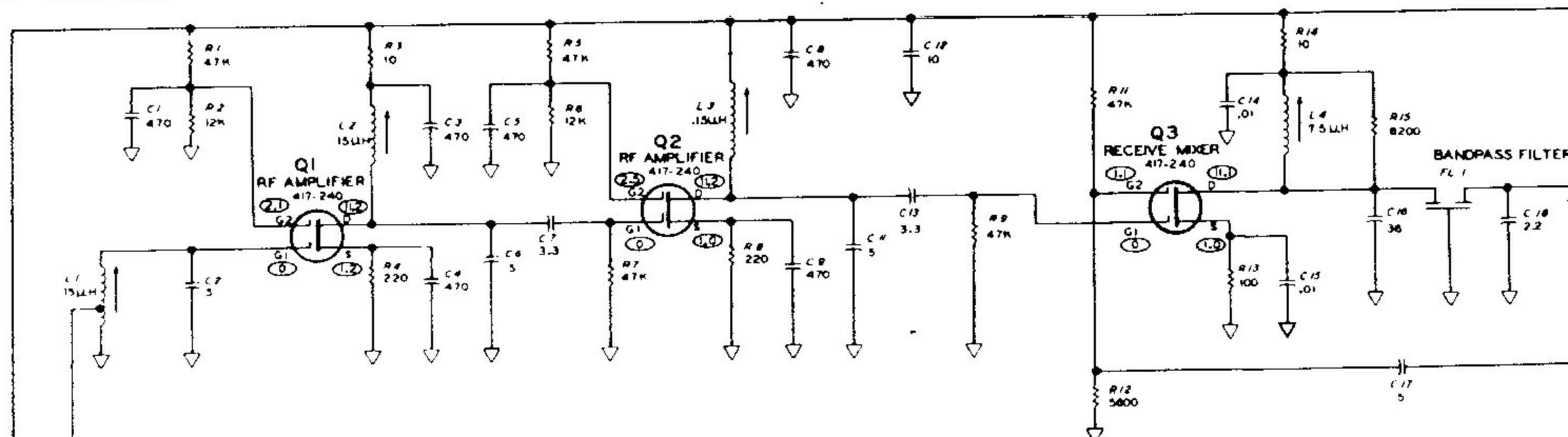
amplifier - LOCK

TABLE 1 SQUELCH CONTROL FULLY COUNTERCLOCKWISE, NO INPUT SIGNAL			
	E	B	C
Q5	.4	1.7	.55
Q6	.6	1.7	8.0
Q7	.6	1.3	8.0
Q8	0	.7	.1
Q9	0	5	3.6
Q10	0	.7	.1
Q11	—	6.0	—

TABLE 2 SQUELCH CONTROL FULLY COUNTERCLOCKWISE, NO INPUT SIGNAL			
	E	B	C
Q5	.5	0	7.0
Q6	.6	.6	.8
Q7	.6	.3	5.0
Q8	0	.3	12.5
Q9	0	.7	.1
Q10	0	.1	1.4
Q14	12.5	12.5	11.8

- NOTES:
- COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
1-199 PARTS ON THE MAIN CIRCUIT BOARD
201-299 PARTS IN THE CASE
301-399 PARTS IN THE BATTERY CHARGER
401-499 PARTS ON THE RF DETECTOR
 - ALL RESISTORS ARE 1/4 WATT, 5% TOLERANCE, UNLESS OTHERWISE NOTED. RESISTOR VALUES ARE IN OHMS, K=1000, M=1,000,000
 - CAPACITORS EQUAL TO OR LESS THAN .1 ARE IN pF (PICOFARADS). ALL OTHER CAPACITORS ARE IN pF (MICROFARADS) UNLESS OTHERWISE MARKED
 - INDUCTORS ARE SHOWN IN MH (MILLIHENRIES) AND μ H (MICROHENRIES)
 - THIS SYMBOL INDICATES A DC VOLTAGE MEASUREMENT TAKEN WITH A HIGH INPUT IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND UNDER THE FOLLOWING CONDITIONS:
1. NO INPUT SIGNAL.
2. SQUELCH CONTROL FULLY COUNTERCLOCKWISE.
3. VOLUME CONTROL FULLY COUNTERCLOCKWISE.
4. LOWEST FREQUENCY OSCILLATOR (CRYSTAL) SET POINT.
5. TRANSMITTER VOLTAGES - KEPT WITHOUT MODULATION.
 - THIS SYMBOL INDICATES CHASSIS GROUND
 - THIS SYMBOL INDICATES A SOLDERED CONNECTION TO THE MAIN CIRCUIT BOARD
 - SEE TABLES 1 AND 2 FOR VOLTAGES
 - THIS SYMBOL DENOTES A CHANGE AS MADE BY THE KIT BUILDER
 - REFER TO THE "CIRCUIT BOARD LAYOUT" FOR THE EXACT LOCATION OF PARTS
 - TP INDICATES TEST POINT
 - INDICATES TEST POINT USED ONLY WHEN ALIGNMENT PERFORMED WITHOUT IMPROVEMENTS

MAIN CIRCUIT BOARD



simply
-LOOK.

