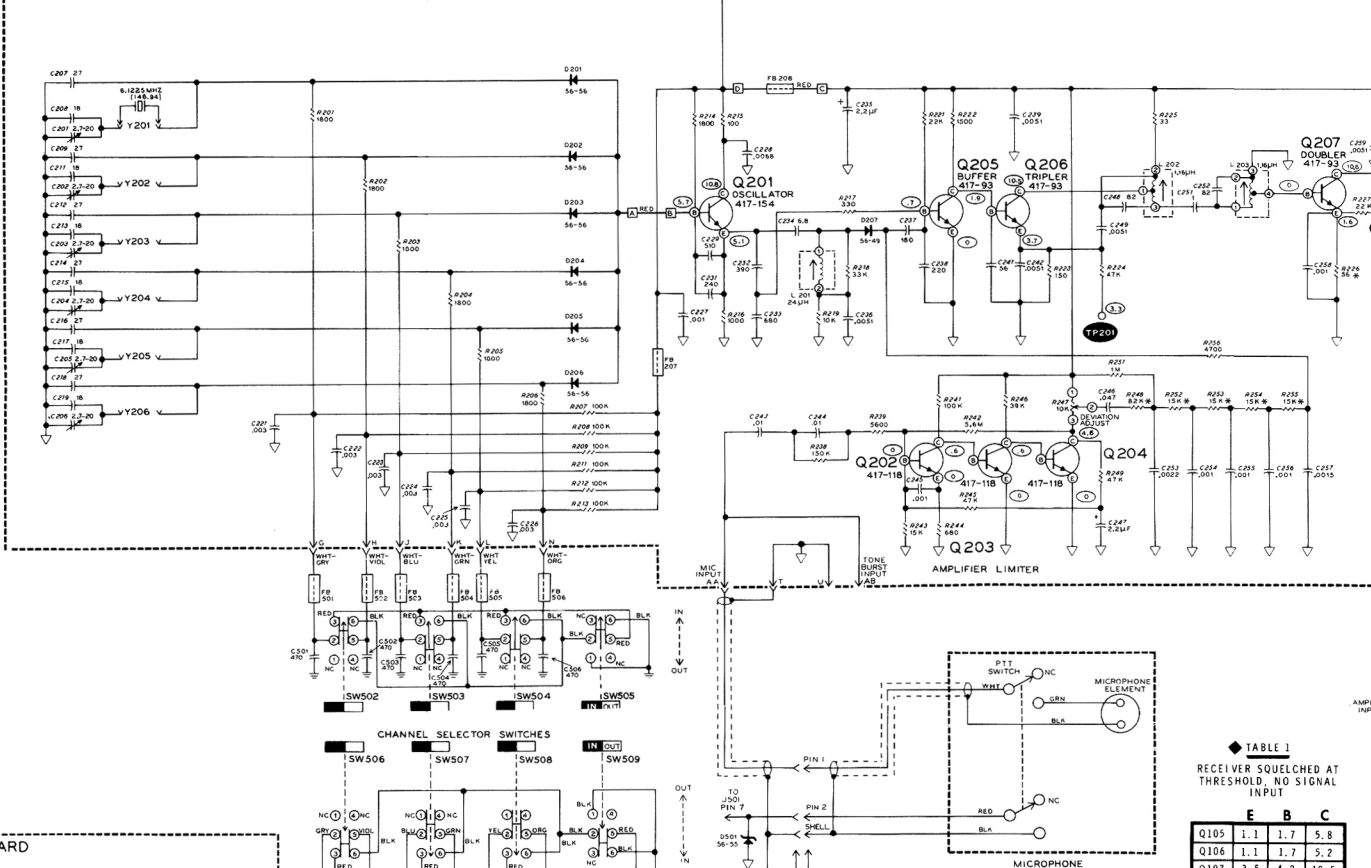


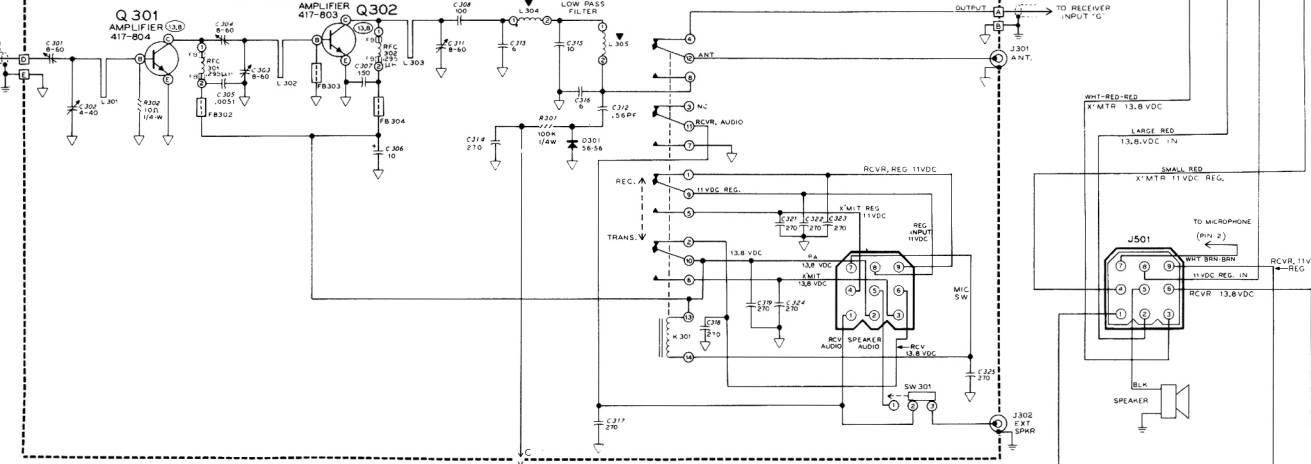
NOTES:

- COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
100-199 PARTS ON THE RECEIVER CIRCUIT BOARD.
200-299 PARTS ON THE TRANSMITTER CIRCUIT BOARD.
300-399 PARTS ON THE POWER AMPLIFIER CIRCUIT BOARD.
400-499 PARTS ON THE HASH FILTER/REGULATOR BOARD.
500-599 PARTS ON THE CHASSIS.
- ALL RESISTORS ARE 1/2-WATT, 10% TOLERANCE, UNLESS OTHERWISE NOTED. RESISTOR VALUES ARE IN OHMS; K=1,000, M=1,000,000.
- CAPACITORS LESS THAN 1 ARE IN μ F (MICROFARADS). ALL OTHER CAPACITORS ARE IN pF (PICOFARADS) UNLESS OTHERWISE MARKED.
- INDUCTORS ARE SHOWN IN MH (MILLIHENRIES) AND μ H (MICROHENRIES).
- ARROWS AT CONTROLS INDICATE CLOCKWISE ROTATION, VIEWED FROM THE SHAFT END OF THE CONTROL.
- THIS SYMBOL AROUND A PART NUMBER MEANS THAT THIS COMPONENT IS MOUNTED ON THE CHASSIS, THOUGH ITS LOCATION ON THE SCHEMATIC SUGGESTS OTHERWISE.
- THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASURED WITH A HIGH INPUT IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND UNDER THE FOLLOWING CONDITIONS:
 - NO SIGNAL INPUT.
 - RECEIVER SQUELCHED AT THRESHOLD.
 - VOLUME FULLY COUNTERCLOCKWISE.
 - LOWEST FREQUENCY RECEIVER OSCILLATOR SELECTED.
 - TRANSMITTER VOLTAGES: KEYED WITHOUT MODULATION.
- THIS SYMBOL INDICATES CIRCUIT BOARD GROUND.
- THIS SYMBOL INDICATES CHASSIS GROUND.
- THIS SYMBOL INDICATES A CIRCUIT BOARD CONNECTOR PIN AND A FEMALE WIRE CONNECTOR.
- THIS SYMBOL INDICATES A SOLDERED CONNECTION TO A CIRCUIT BOARD.
- SEE TABLES 1 AND 2 FOR VOLTAGES.
- THIS SYMBOL DESIGNATES A 5% TOLERANCE RESISTOR.
- THIS SYMBOL DENOTES A COIL WOUND BY THE KIT BUILDER.
- REFER TO THE "CHASSIS PHOTOGRAPHS" AND "CIRCUIT BOARD X-RAY VIEWS" FOR THE PHYSICAL LOCATION OF PARTS.
- P301 AND J501 ARE MATING SIDE VIEWS.
- TP-TEST POINT
FB-FERRITE BEAD
- THIS SYMBOL INDICATES A RECTIFIED RF VOLTAGE MEASURED WITH A HIGH INPUT IMPEDANCE VOLTMETER. (USE A 100K Ω RESISTOR IN SERIES WITH THE VOLTMETER PROBE.)

TRANSMITTER CIRCUIT BOARD



POWER AMPLIFIER CIRCUIT BOARD



RECEIVER CIRCUIT BOARD

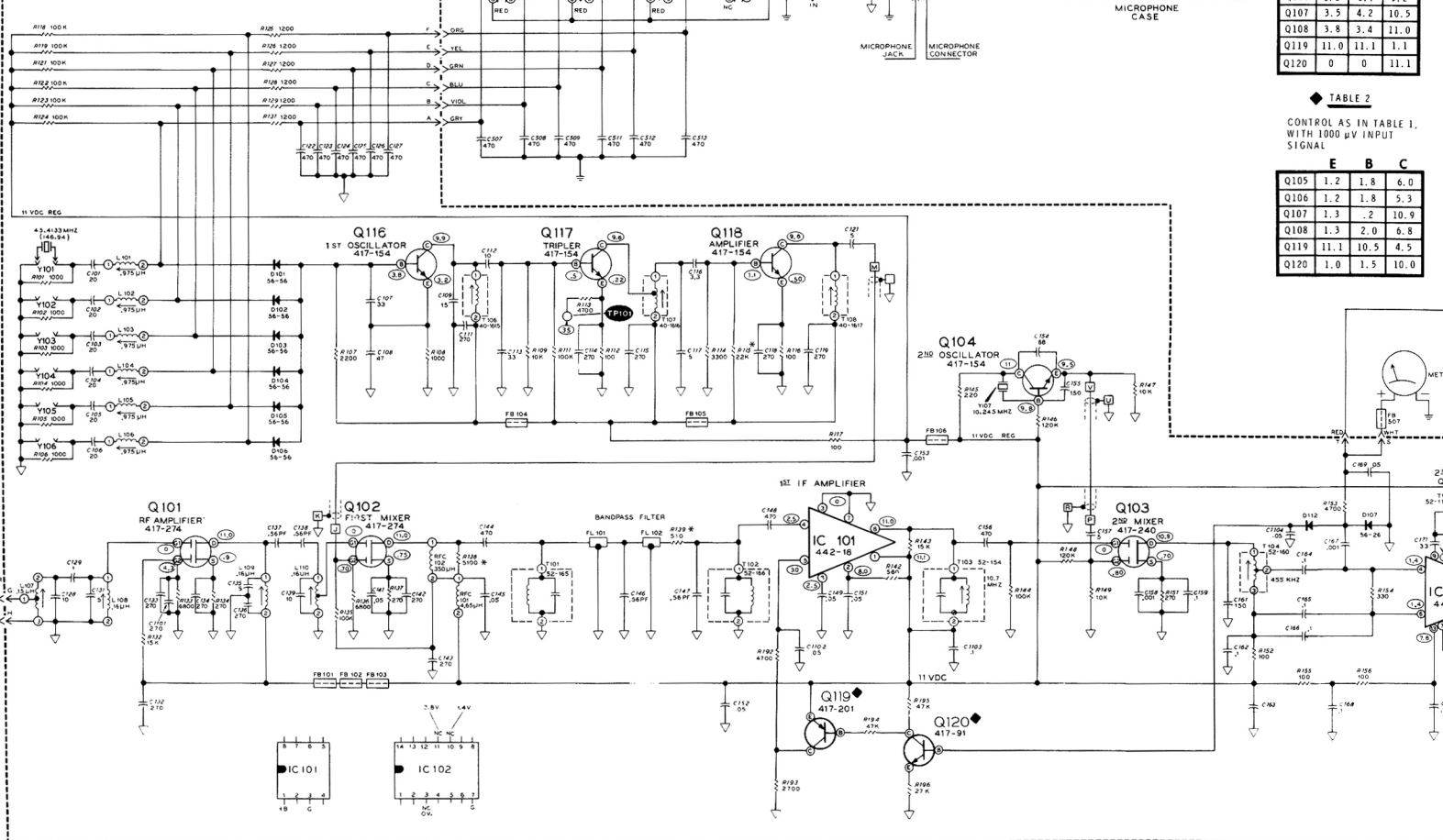


TABLE 1
RECEIVER SQUELCHED AT
THRESHOLD, NO SIGNAL
INPUT

	E	B	C
Q105	1.1	1.7	5.8
Q106	1.1	1.7	5.2
Q107	3.5	4.2	10.5
Q108	3.8	3.4	11.0
Q119	11.0	11.1	1.1
Q120	0	0	11.1

TABLE 2
CONTROL AS IN TABLE 1,
WITH 1000 μ V INPUT
SIGNAL

	E	B	C
Q105	1.2	1.8	6.0
Q106	1.2	1.8	5.3
Q107	1.3	2	10.9
Q108	1.3	2.0	6.8
Q119	11.1	10.5	4.5
Q120	1.0	1.5	10.0