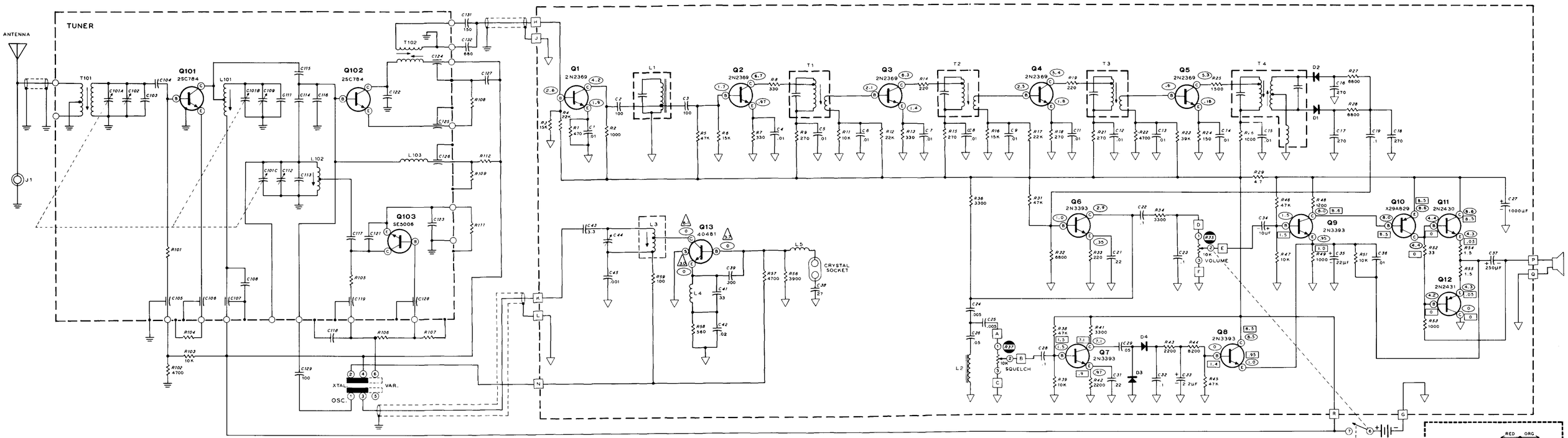

HEATH PART NO.	MANUFACTURER AND TYPE NO.		BASING
417-118	G.E.	2N3393	BASE, COLLECTOR, EMITTER
417-121	AMPEREX	2N2430	EMITTER, BASE, COLLECTOR
417-122	AMPEREX	2N2431	EMITTER, BASE, COLLECTOR
417-154	G.E.	2N2369	EMITTER, BASE, COLLECTOR
417-190	R C A	40481	EMITTER, BASE, SHIELD, COLLECTOR
417-201	G.E.	X29A829	BASE, COLLECTOR, EMITTER

SCHEMATIC OF THE HEATHKIT®
VHF-FM MONITOR RECEIVER
MODEL GR-88

1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:

   0-99 PARTS ON THE CIRCUIT BOARD.
   100-199 PARTS IN THE TUNER

2. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEW FOR THE PHYSICAL LOCATION OF PARTS.

3. ALL RESISTORS ON THE CIRCUIT BOARD ARE 1/2 WATT. RESISTOR VALUES ARE IN OHMS (K= 1000, M= 1,000,000).

4. ALL CAPACITOR VALUES LESS THAN 1 ARE µF. VALUES OF 1 AND ABOVE ARE IN pF UNLESS MARKED OTHERWISE.

5. ◯ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT TAKEN WITH AND 11 MEGOHM INPUT VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY ±20%. THE OSC. SWITCH IS IN THE VAR. POSITION. THE SQUELCH CONTROL IS FULLY COUNTER-CLOCKWISE. NO STATIONS ARE BEING RECEIVED.

6. ▭ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT TAKEN WITH THE OSC. SWITCH IN THE VAR. POSITION AND THE SQUELCH CONTROL SET AT THRESHOLD. NO STATIONS ARE BEING RECEIVED.

7. △ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT TAKEN WITH THE OSC. SWITCH IN THE XTAL. POSITION. THE SQUELCH CONTROL IS FULLY COUNTERCLOCKWISE. NO STATIONS ARE BEING RECEIVED.

8. ▽ INDICATES CIRCUIT BOARD GROUND.

9. ⏚ INDICATES CHASSIS GROUND.

10. ⬬ THIS SYMBOL AROUND A NUMBER INDICATES THAT THE PART IS MOUNTED ON THE CHASSIS EVEN THOUGH THE SCHEMATIC SUGGESTS THAT THE PART IS MOUNTED ON THE CIRCUIT BOARD.