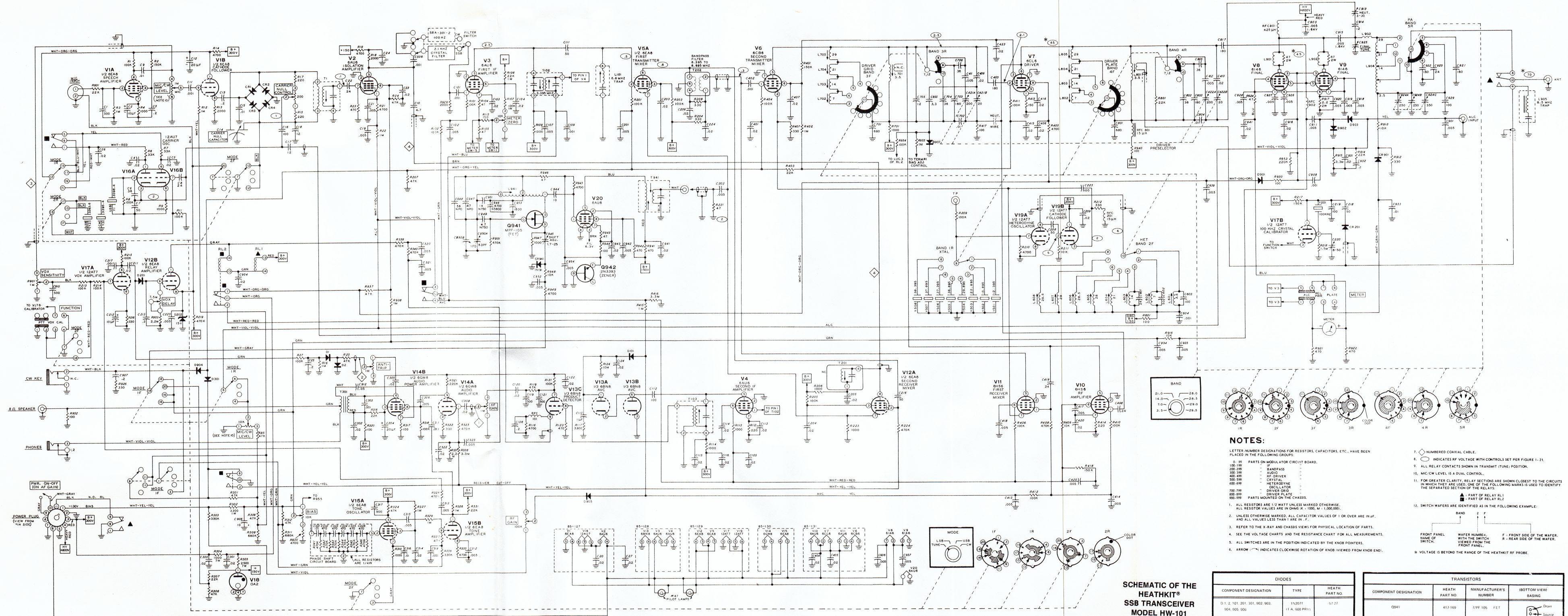




**SCHEMATIC OF THE
HEATHKIT®
SSB TRANSCEIVER
MODEL HW-101**

Part of 595-1277-17

- NOTES:**
- LETTER-NUMBER DESIGNATIONS FOR RESISTORS, CAPACITORS, ETC., HAVE BEEN PLACED IN THE FOLLOWING GROUPS:
 - RESISTOR VALUES ARE IN OHMS (R), KILOHMS (K), MEGOHMS (M), AND GIGAOHMS (G). ALL VALUES LESS THAN 10 ARE IN μ .
 - REFER TO THE X-RAY AND CHASSIS VIEWS FOR PHYSICAL LOCATION OF PARTS.
 - SEE THE VOLTAGE CHART AND THE RESISTANCE CHART FOR ALL MEASUREMENTS.
 - ALL SWITCHES ARE IN THE POSITION INDICATED BY THE KNOB POINTERS.
 - ARROW (↻) INDICATES COUNTERCLOCKWISE ROTATION OF KNOB (VIEWED FROM KNOB END).
 - NUMBERED COAXIAL CABLE.
 - INDICATES RF VOLTAGE WITH CONTROLS SET PER FIGURE 1-21.
 - ALL RELAY CONTACTS SHOWN IN TRANSMIT (TUNE) POSITION.
 - MIC/VOX LEVEL IS A DUAL CONTROL.
 - FOR GREATER CLARITY, RELAY SECTIONS ARE SHOWN CLOSEST TO THE CIRCUITS IN WHICH THEY ARE USED. ONE OF THE FOLLOWING MARKS IS USED TO IDENTIFY THE SEPARATED SECTION OF THE RELAYS:
 - SWITCH WAFERS ARE IDENTIFIED AS IN THE FOLLOWING EXAMPLE:

COMPONENT DESIGNATION	DIODES	TYPE	HEATH PART NO.
D 1, 2, 101, 201, 301, 902, 903, 904, 905, 906	1N2071	(1 A, 100 PIV)	51-27
D901	1N4149		50-90
CR 1, 2, 3, 4, 201, 901, 941	1N5191	50-26-1	
D 202	1N 5 V, 2mm		50-25

COMPONENT DESIGNATION	TRANSISTORS	HEATH PART NO.	MANUFACTURER'S NUMBER	(BOTTOM VIEW) BASING
Q941	617-169	U/PF 105	FET	Drain Source Gate
Q942	417-118	2N393		Flat side Base Collector Emitter

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