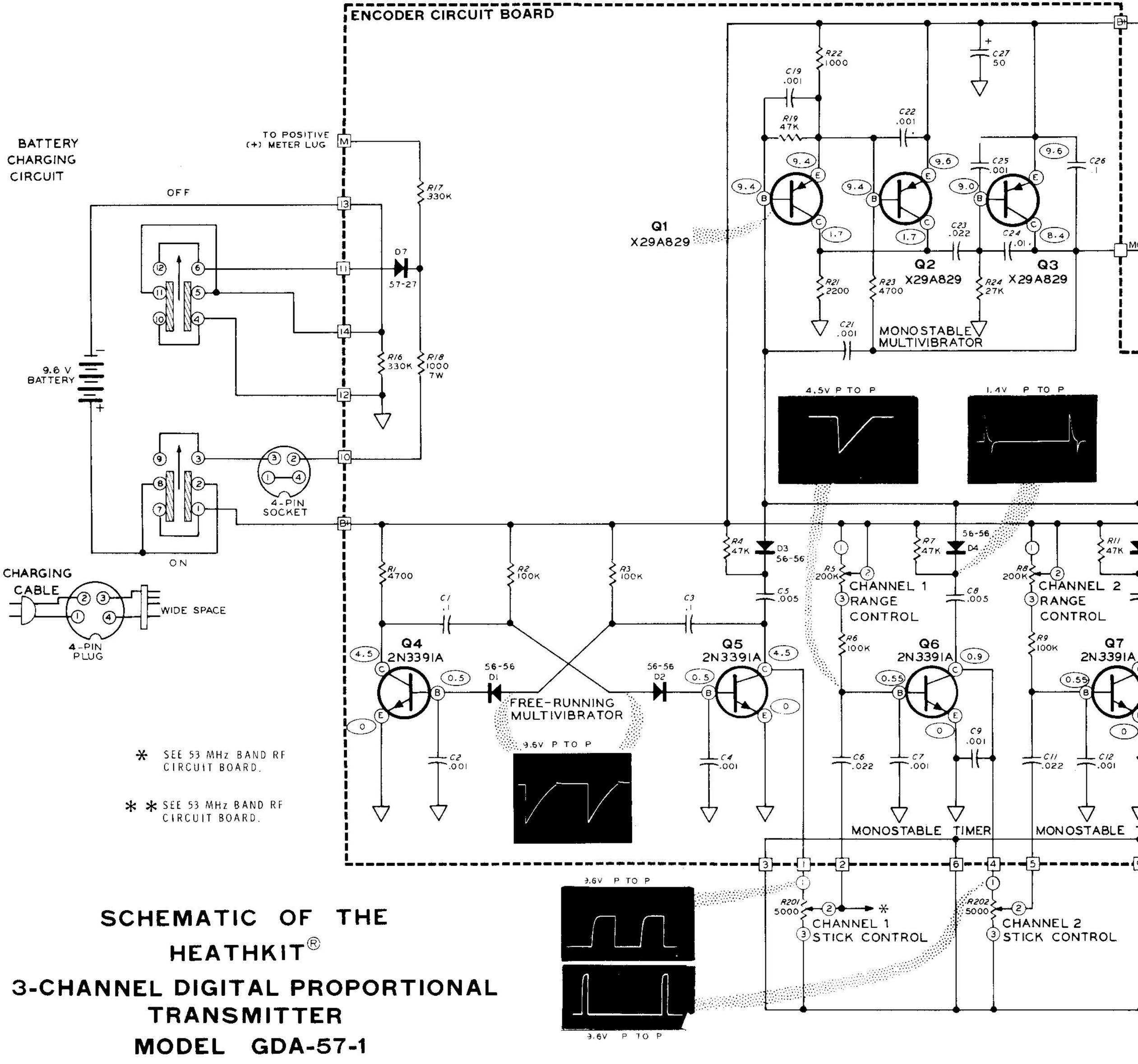
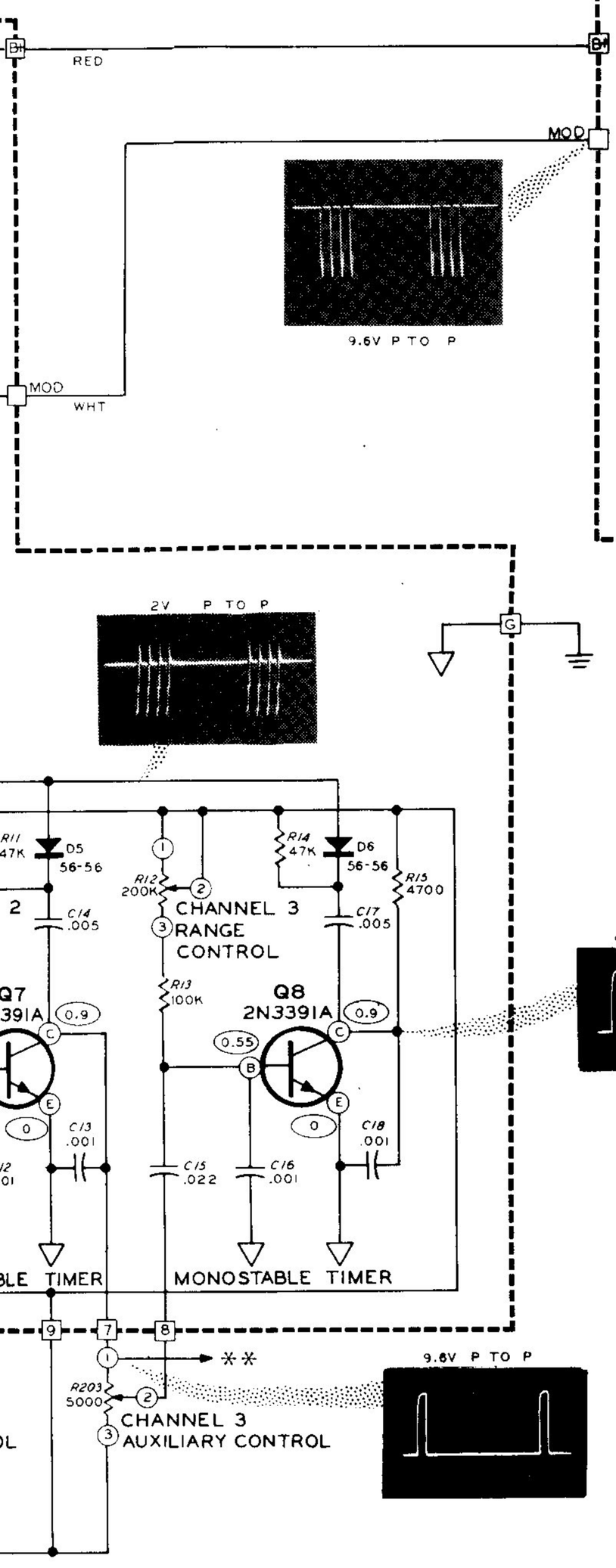
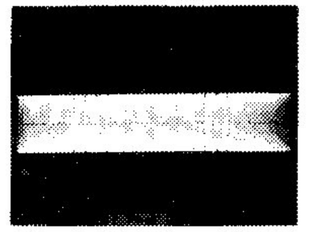
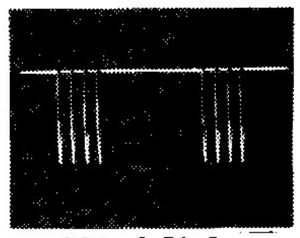


SCHEMATIC OF THE HEATHKIT®
3-CHANNEL DIGITAL PROPORTIONAL TRANSMITTER
MODEL GDA-57-1

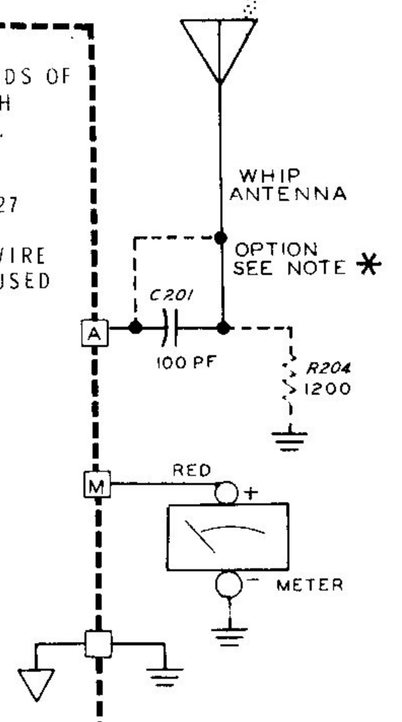






NOTE:
THE 27, 53, AND 72 m MHz BANDS OF RF TRANSMITTER CIRCUIT EACH HAVE A DIFFERENT SCHEMATIC. SEE SCHEMATICS AT RIGHT.

* C201 IS USED ONLY WITH THE 27 MHz BAND TRANSMITTER, THE OTHER BANDS USE A JUMPER WIRE AND NO CAPACITOR. R204 IS USED ONLY ON THE 72 MHz BAND.



RF CIRCUIT BOARD

CRYSTAL FREQUENCY MHZ

	TRANSMITTER	RECEIVER
27 MHZ BAND	26.995	26.542
	27.045	26.592
	27.095	26.642
	27.145	26.692
	27.195	26.742
53 MHZ BAND	53.100	26.3235
	53.200	26.3735
	53.300	26.4235
	53.400	26.4735
	53.500	26.5235
72 MHZ BAND	36.040	36.2665
	36.120	36.3465
	36.200	36.4265
	36.480	36.7065
	37.820	37.5935

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

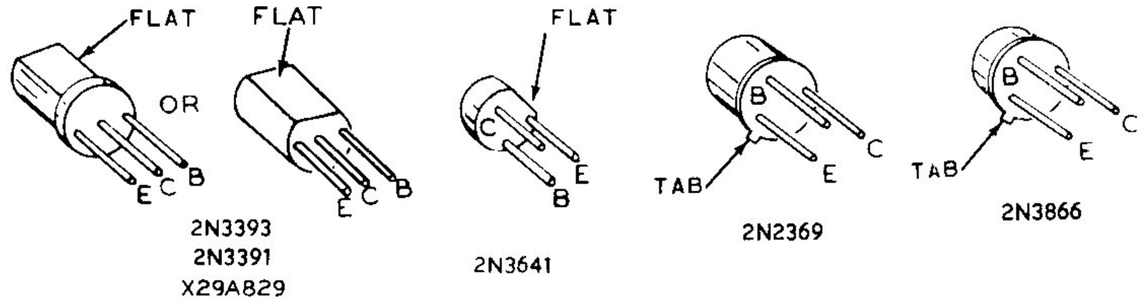
0-99	PARTS MOUNTED ON THE ENCODER CIRCUIT BOARD.
100-199	PARTS MOUNTED ON THE RF CIRCUIT BOARD.
200-299	PARTS MOUNTED ON THE CHASSIS.

2. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K = 1000).

3. ALL CAPACITOR VALUES ARE IN μF UNLESS MARKED OTHERWISE.

4. (0.9) THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT, TAKEN WITH A HIGH IMPEDANCE VOLTMETER, FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY ±20%.

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



7, 53, AND 72 m MHz BANDS OF
ANSMITTER CIRCUIT EACH
A DIFFERENT SCHEMATIC.
SCHEMATICS AT RIGHT).

IS USED ONLY WITH THE 27
BAND TRANSMITTER, THE
R BANDS USE A JUMPER WIRE
NO CAPACITOR. R204 IS USED
ON THE 72 MHz BAND.

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OLLOWING GROUPS:

IRCUIT BOARD.
BOARD.

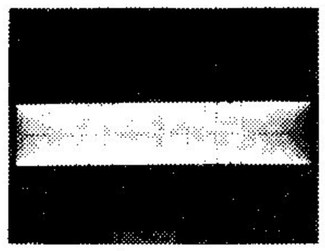
HERWISE. RESISTOR VALUES

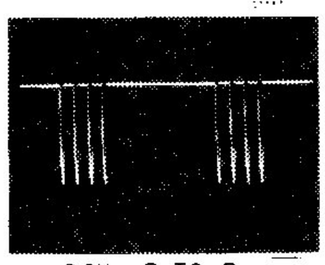
ED OTHERWISE.

AGE MEASUREMENT, TAKEN
POINT INDICATED TO CHASSIS

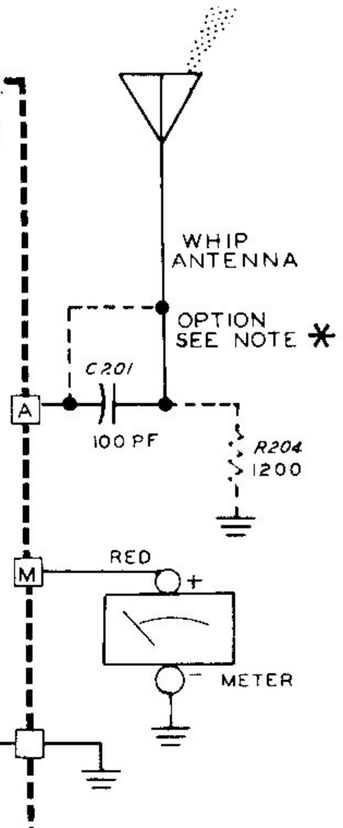
IT BOARD X-RAY VIEWS FOR THE

2N2369 2N3866

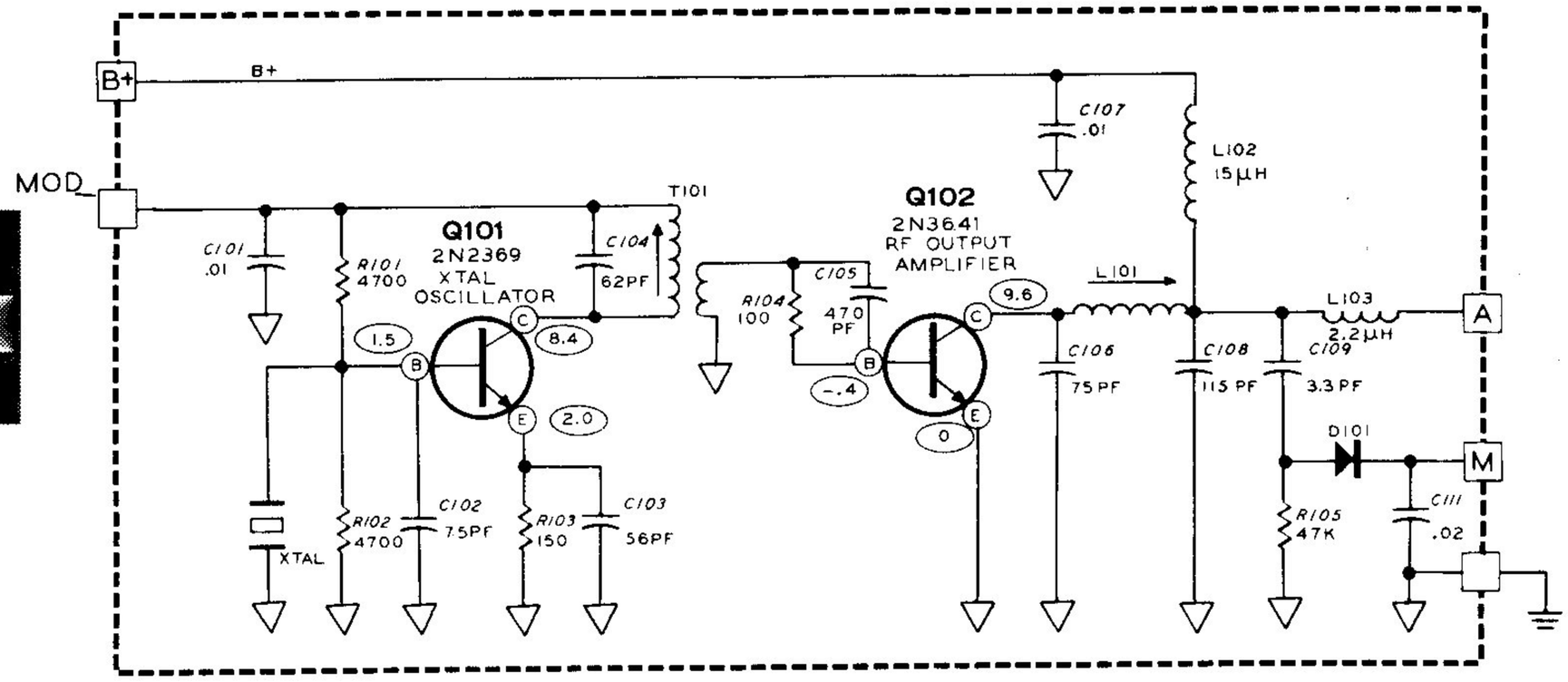




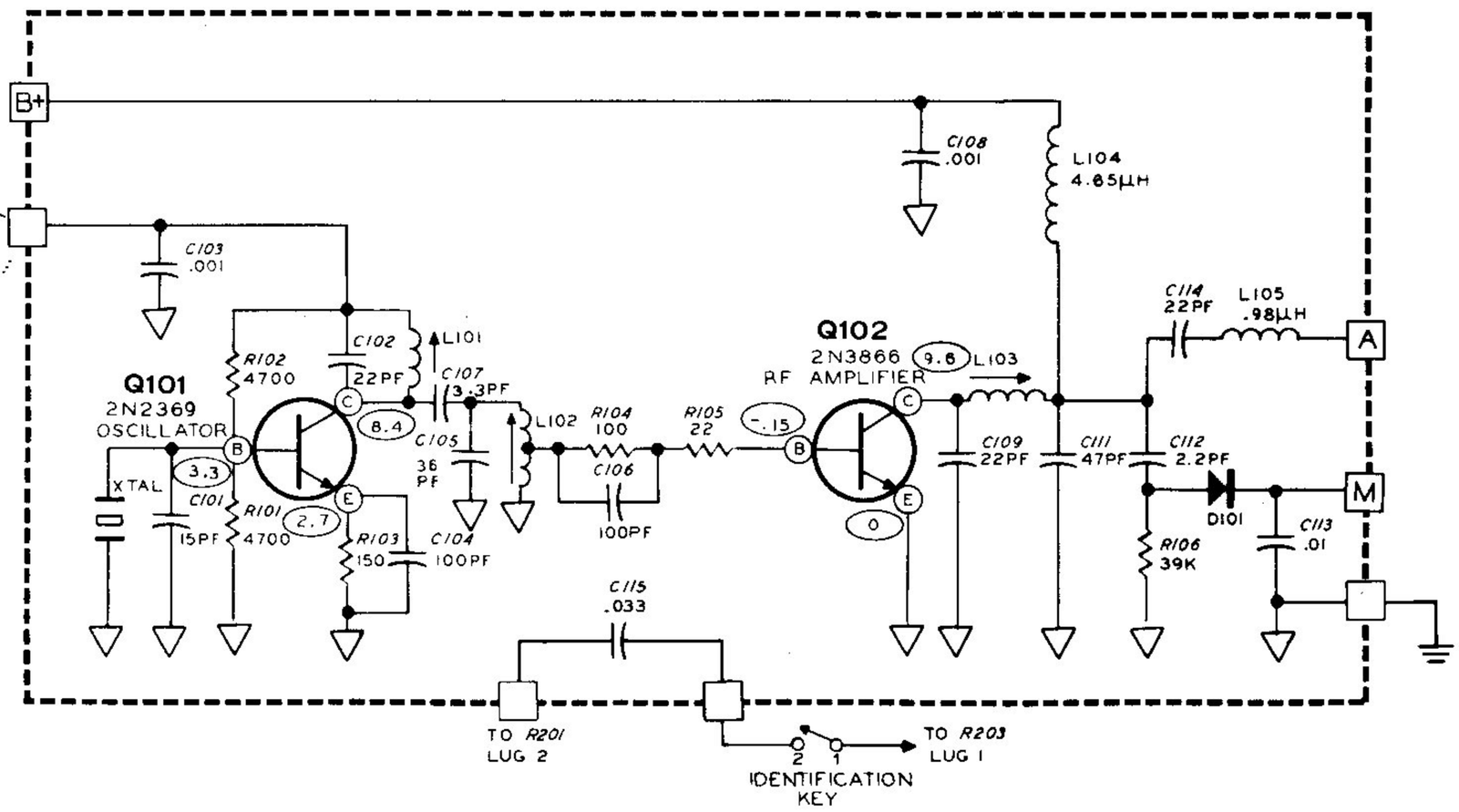
9.6V P TO P



27 MHz BAND - RF CIRCUIT BOARD



53 MHz BAND - RF CIRCUIT BOARD



72 MHz BAND - RF CIRCUIT BOARD