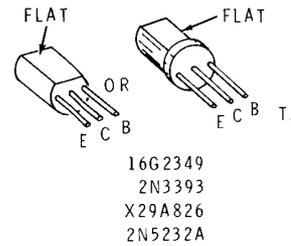
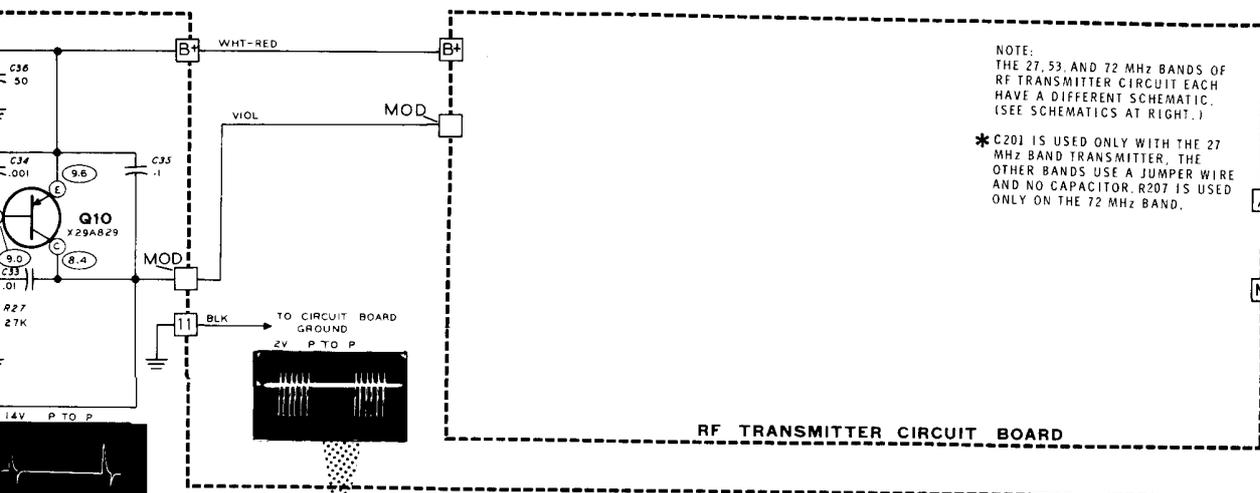


	C1	C4
27 MHz	47PF	47PF
53 - 72 MHz	27PF	27PF

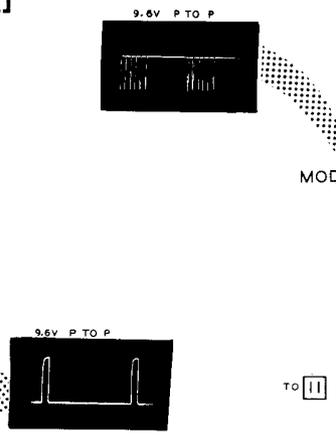
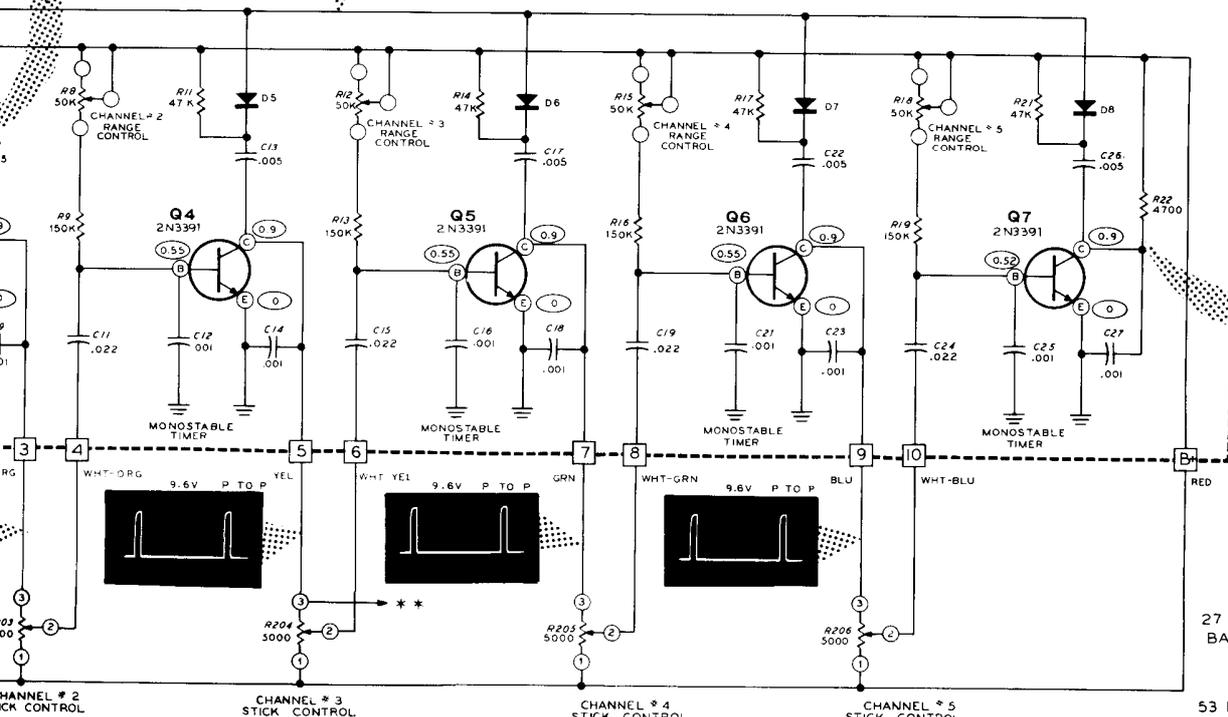
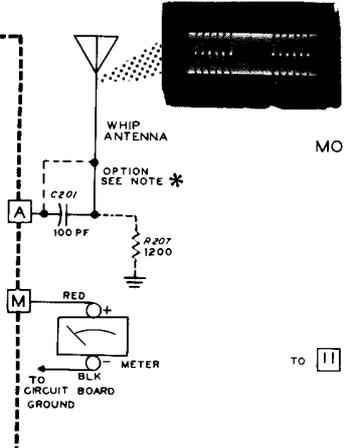
**SCHEMATIC OF THE  
HEATHKIT®  
DIGITAL 5 PROPORTIONAL RECEIVER  
MODEL GDA-19-2**

1. RESISTOR AND CAPACITOR VALUES ARE IN OHMS UNLESS INDICATED OTHERWISE.
2. 0-99 PARTS MOUNTED IN THE FRONT PANEL.
3. 100-199 PARTS MOUNTED IN THE REAR PANEL.
4. ALL RESISTORS ARE 1/4 WATT UNLESS OTHERWISE INDICATED. VALUES ARE IN OHMS (K = KILOHMS, M = MEGOHMS).
5. ALL CAPACITOR VALUES ARE IN PICO FARADS (PF) UNLESS OTHERWISE INDICATED.
6. ○ THIS SYMBOL INDICATES A POINT WHERE A SIGNAL IS NOT BEING INDICATED.
7. □ THIS SYMBOL INDICATES A POINT WHERE A SIGNAL IS BEING INDICATED.
8. ALL VOLTAGES ARE MEASURED FROM THE POINT INDICATED BY THE CIRCLE.
9. REFER TO THE CIRCUIT BOARD PARTS LIST FOR PARTS.
10. \* 470Ω RESISTOR FOR 53 MHz OR 72 MHz OPERATION.





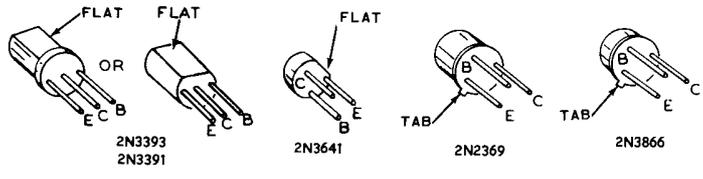
NOTE:  
THE 27, 53 AND 72 MHZ BANDS OF  
RF TRANSMITTER CIRCUIT EACH  
HAVE A DIFFERENT SCHEMATIC.  
(SEE SCHEMATICS ON RIGHT.)  
\* C201 IS USED ONLY WITH THE 27  
MHZ BAND TRANSMITTER, THE  
OTHER BANDS USE A JUMPER WIRE  
AND NO CAPACITOR. R207 IS USED  
ONLY ON THE 72 MHZ BAND.



	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
	37.620	37.5935

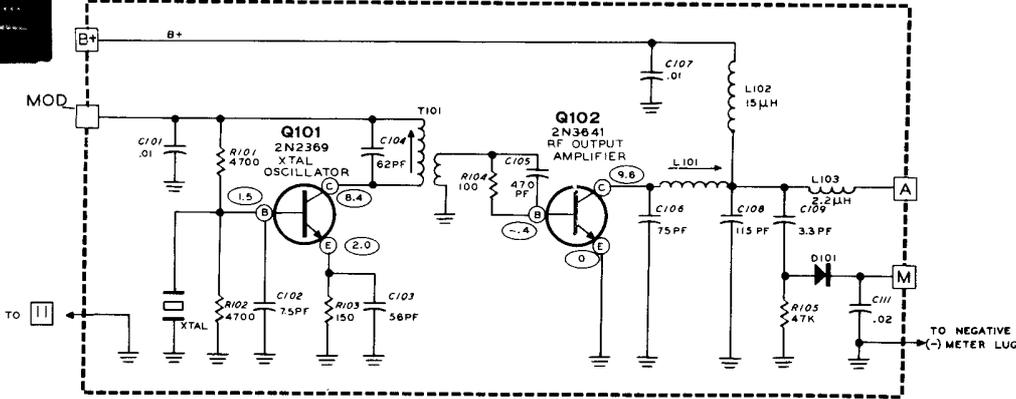
NUMBERS ARE IN THE FOLLOWING GROUPS:  
1. POINTS ON THE ENCODER CIRCUIT BOARD.  
2. POINTS ON THE RF TRANSMITTER CIRCUIT BOARD.  
3. POINTS ON THE CHASSIS.  
4. POINTS ON THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.

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

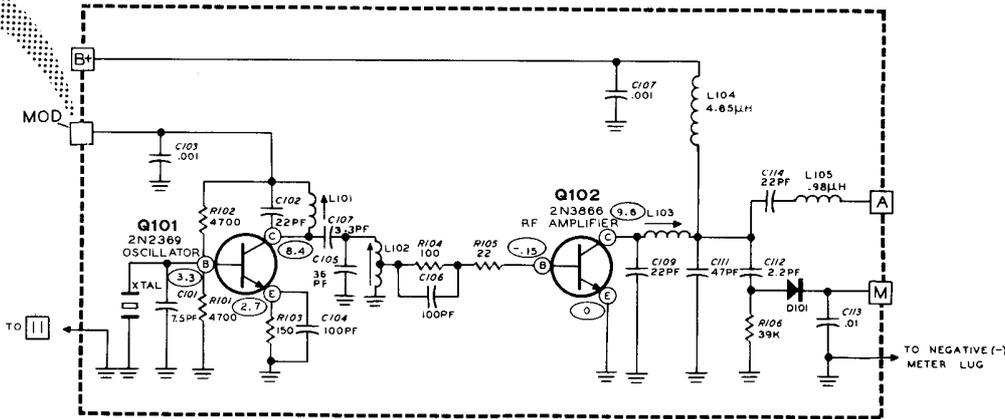


RESISTOR VALUES ARE IN OHMS UNLESS MARKED OTHERWISE.  
CAPACITOR VALUES ARE IN μF UNLESS MARKED OTHERWISE.

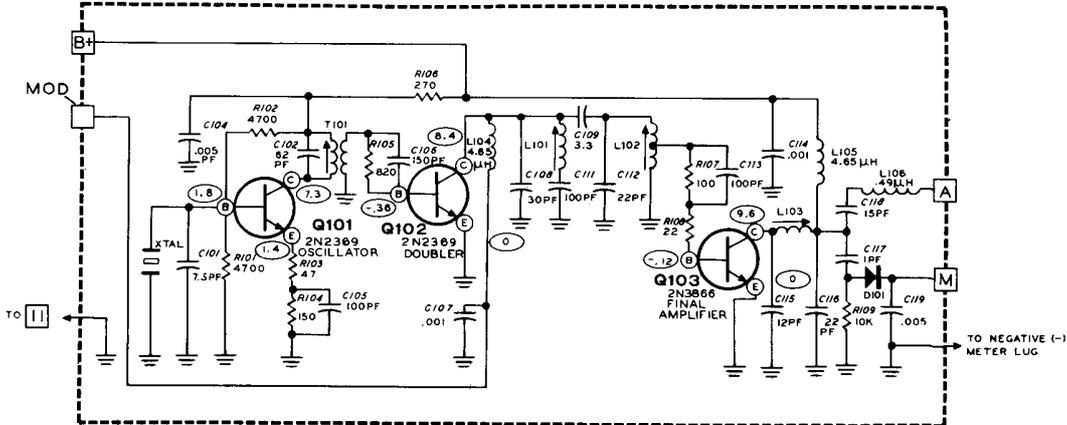
27 MHz BAND - RF TRANSMITTER CIRCUIT BOARD



53 MHz BAND - RF TRANSMITTER CIRCUIT BOARD



72 MHz BAND - RF TRANSMITTER CIRCUIT BOARD



72 MHz RECEIVER

26.542  
26.592  
26.642  
26.692  
26.742  
26.8235  
26.8735  
26.9235  
26.9735  
27.0235  
27.0735  
27.1235