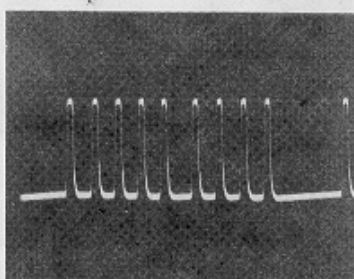
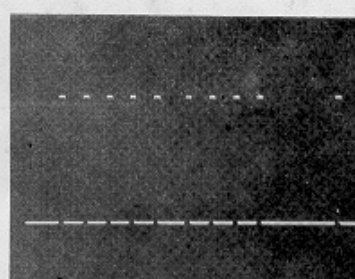


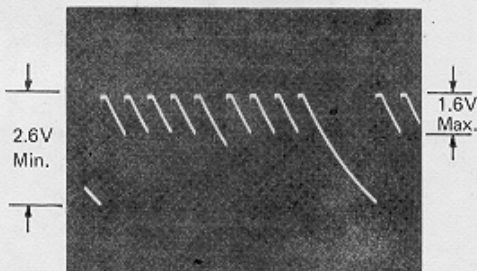
1 COLLECTOR Q5
.5 - 2.0V p-p



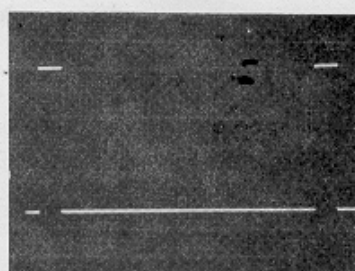
2 BASE OF Q101
.2V p-p



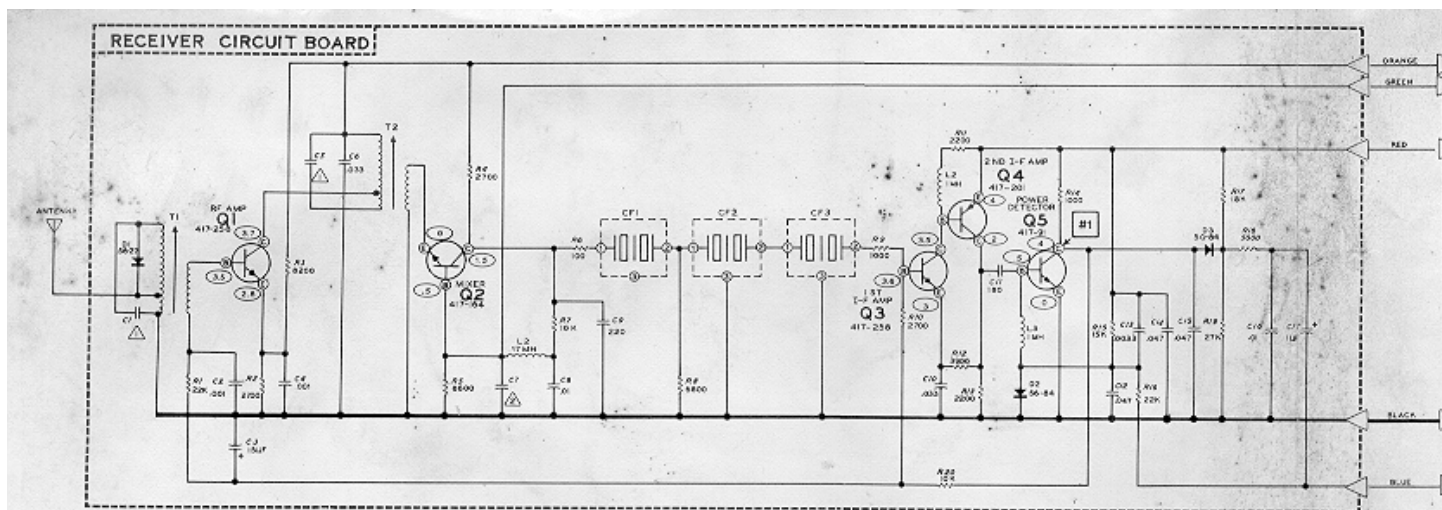
3 COLLECTOR Q102
5.0V p-p



4 PIN 2 IC1



5 IC OUTPUTS TO SERVO
PINS 9-16
5V p-p

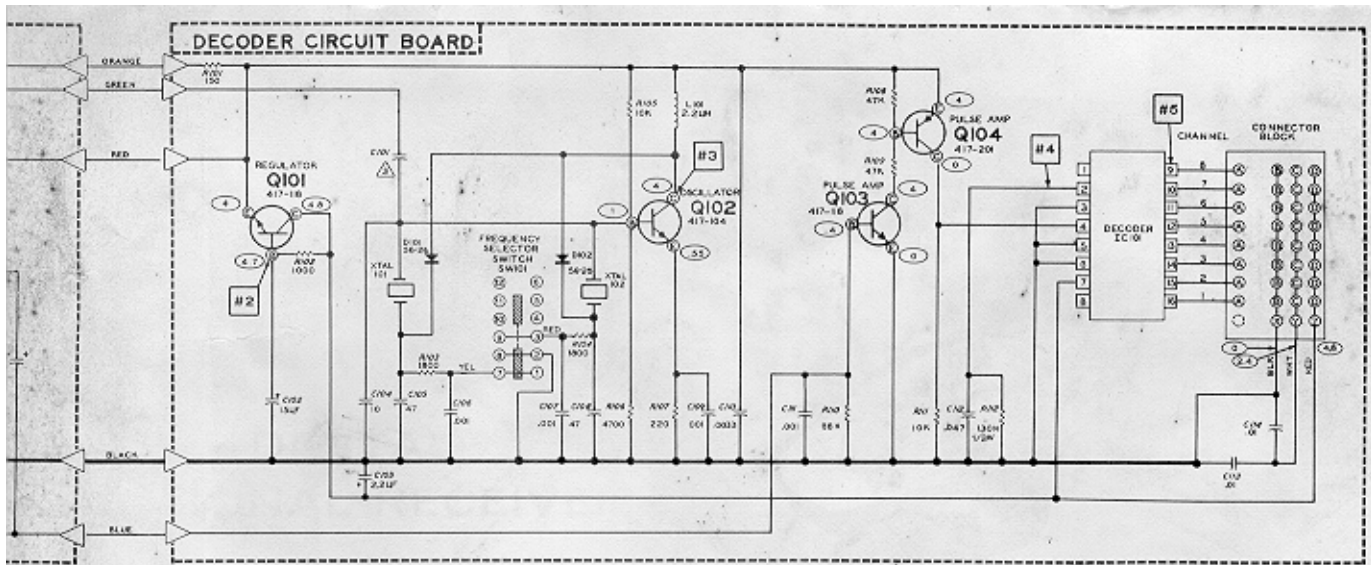


**SCHEMATIC OF THE
HEATHKIT®
8-CHANNEL DIGITAL PROPORTIONAL
RECEIVER
MODEL GDA-405-2**

NOTES:

- RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:
0-99 PARTS MOUNTED ON THE RECEIVER CIRCUIT BOARD.
100-199 PARTS MOUNTED ON THE DECODER CIRCUIT BOARD.
- ALL RESISTORS ARE 1/4 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K=1,000).
- ALL CAPACITOR VALUES LESS THAN 1 ARE IN μ F. ALL VALUES OF 1 OR GREATER ARE IN pF UNLESS OTHERWISE MARKED.
- THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT WITH NO SIGNAL BEING RECEIVED.
- THIS SYMBOL WITH A NUMBER IN IT CORRESPONDS TO A WAVEFORM ON PAGE 55.
- THIS SYMBOL IS USED WITH A PART THAT CHANGES VALUE DEPENDING ON THE FREQUENCY BAND USED.
 47 pF FOR 27 MHz, 21 pF FOR 53 MHz, OR 21 pF FOR 72 MHz OPERATION.
 150 pF FOR 27 MHz, 47 pF FOR 53 MHz, OR 21 pF FOR 72 MHz OPERATION.
 10 pF FOR 27 MHz, 15 pF FOR 53 MHz, OR 10 pF FOR 72 MHz OPERATION.
- ALL VOLTAGES ARE MEASURED WITH A HIGH IMPEDANCE VOLTMETER, FROM THE POINT INDICATED TO COMMON GROUND. VOLTAGES MAY VARY $\pm 20\%$.
- REFER TO THE CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.

CRYSTAL FREQUENCIES	
TRANSMITTER	
	26,995
	27,045
27 MHz BAND	27,095
	27,145
	27,195
	53,100
53 MHz BAND	53,200
	53,300
	53,400
	53,500
	72,080
72 MHz BAND	72,180
	72,240
	72,320
	72,400
	72,500
	75,540



INTERCONNECTING SCHEMATIC DIAGRAM

CRYSTAL FREQUENCY MHz

	TRANSMITTER	RECEIVER
27 MHz BAND	28.995	28.542
	27.145	28.592
	27.095	28.642
	27.145	28.692
	27.195	28.742
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	72.080	36.2665
	72.180	35.8535
	72.240	36.3465
	72.320	35.9335
	72.400	36.4265
	72.960	36.7065
	75.940	37.5935

