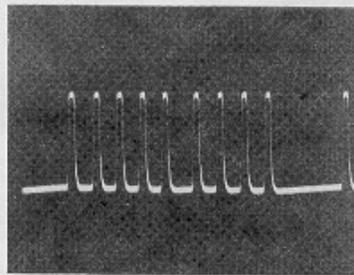
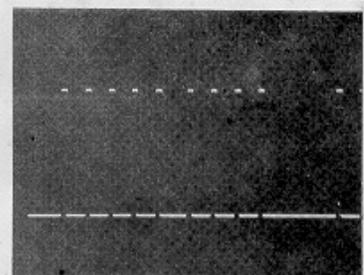


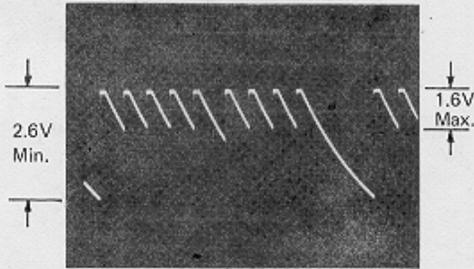
**1** COLLECTOR Q5  
.5 - 2.0V p-p



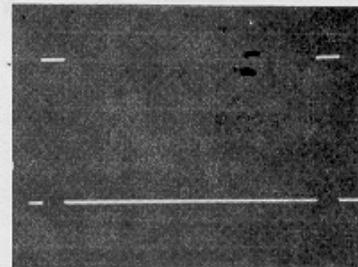
**2** BASE OF Q101  
.2V p-p



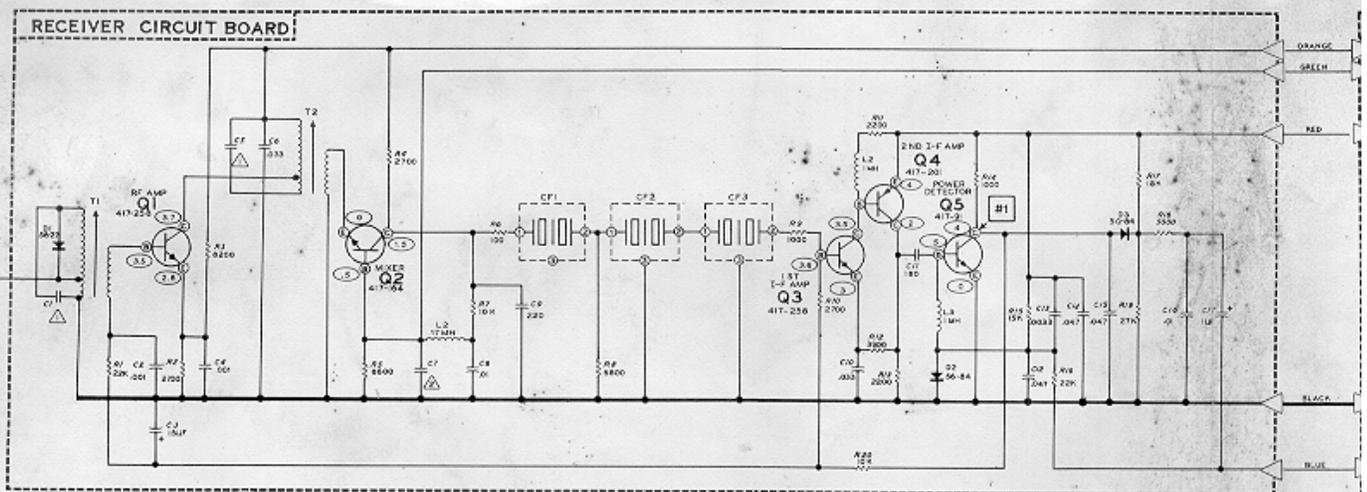
**3** COLLECTOR Q102  
5.0V p-p



**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 pF. 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 ±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
	53,200
53 MHz BAND	53,300
	53,400
	53,500
	72,080
	72,180
72 MHz BAND	72,240
	72,320
	72,400
	72,500
	75,540

