



SCHEMATIC OF THE HEATHKIT MODEL IT-5283 SIGNAL TRACER

NOTES:

- ALL RESISTORS ARE 1/2 WATT. RESISTOR VALUES ARE IN OHMS (K=1000, M=1,000,000).
- CAPACITORS ARE IN μ F.
- SW1 IS A ROTARY SWITCH AND SW2 IS IN THE PROBE.
- THIS SYMBOL INDICATES A DC VOLTAGE TAKEN UNDER THE FOLLOWING CONDITIONS FROM THE POINT INDICATED TO CHASSIS GROUND WITH A HIGH IMPEDANCE VOLTMETER:
 - SW1 IS IN THE SIGNAL TRACER POSITION.
 - LEVEL CONTROL IS FULLY COUNTERCLOCKWISE (CCW).

- THIS SYMBOL INDICATES A DC VOLTAGE TAKEN UNDER THE FOLLOWING CONDITIONS FROM THE POINT INDICATED TO CHASSIS GROUND WITH A HIGH IMPEDANCE VOLTMETER:
 - SW1 IS IN THE AUDIBLE V/O POSITION.
 - LEVEL CONTROL IS FULLY COUNTERCLOCKWISE (CCW).
 - INPUT IS GROUNDED.
- THIS SYMBOL INDICATES CIRCUIT GROUND.
- THIS SYMBOL INDICATES A LETTERED CIRCUIT BOARD CONNECTION.

- THIS SYMBOL INDICATES A NUMBERED SWITCH LUG CONNECTION.
- VOLTAGES MAY VARY $\pm 5\%$.
- 1F, 1R, 2F AND 2R ARE PART OF THE ROTARY SWITCH SW1.
- WAVEFORM AT Q3 IS TAKEN WITH THE PROBE SHORTED TO THE CHASSIS AND SW1 IN AUDIBLE V/O POSITION.