

**RF OSCILLATOR
CIRCUIT BOARD**
(Viewed From Foil Side.)

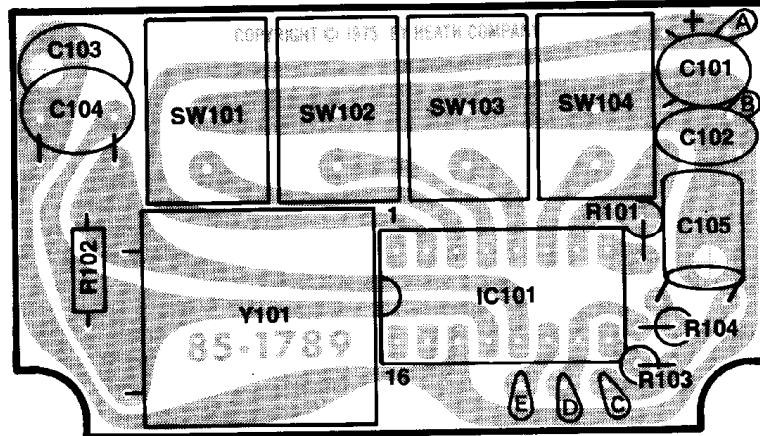
*This component is mounted on the foil side.

CIRCUIT BOARD X-RAY VIEWS

NOTE: To find the PART NUMBER of a component for the purpose of ordering a replacement part:

- A. Find the circuit component number (R5, C3, etc.) on the X-Ray View.
- B. Locate this same number in the "Circuit Component Number" column of the "Parts List."
- C. Adjacent to the circuit component number, you will find the PART NUMBER and DESCRIPTION which must be supplied when you order a replacement part.

**VIDEO
CIRCUIT BOARD
(Viewed From Foil Side.)**



INTEGRATED CIRCUIT

CIRCUIT COMPONENT NUMBER	HEATH PART NUMBER	MAY BE REPLACED WITH	BASING DIAGRAM
IC101	442-624	NATIONAL SEMICONDUCTOR MM5322	

TRANSISTORS

CIRCUIT COMPONENT NUMBER	HEATH PART NUMBER	MAY BE REPLACED WITH	BASING DIAGRAM
Q1	417-167	HEATH PART NUMBER	
Q2, Q4	417-235	2N4121	
Q5	417-801	MPSA20	
Q3	417-806	T1S75	

KEY HEATH QTY. DESCRIPTION
No. Part No.

CIRCUIT
Comp. No.

CONTROLS

10-1074 1 1000 Ω (1k) control
 10-1075 1 3000 Ω (3k) control

R18
R17

CAPACITORS-INDUCTOR-CHOKE

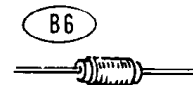
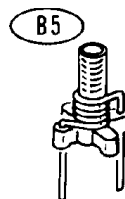
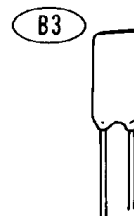
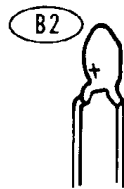
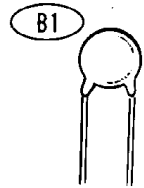
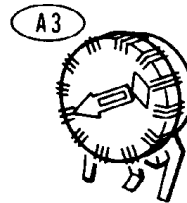
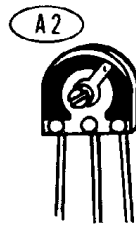
21-33 3.3 pF ceramic
 21-3 10 pF ceramic
 21-111 15 pF ceramic
 21-51 20 pF ceramic
 21-147 3 47 pF ceramic
 21-17 1 270 pF ceramic
 21-23 2 420 pF ceramic
 21-176 2 0.01 μF ceramic

C13
C102
C4
C7
C5, C103,
C104
C3
C10, C11
C6, C12

NOTE: Tantalum and Mylar* capacitors can be marked four different ways.
EXAMPLE: 10, 10k, 10m, 10μF. However, the parts list and installation instructions will always use μF.

25-220 3 10 μF tantalum
 25-289 1 47 μF tantalum
 27-74 0.01 μF Mylar
 31-65 1 15-60 pF ceramic trimmer
 40-1773 1 72 MHz output inductor
 45-57 1 10 μH RF choke

C2, C8,
C101
C1
C105
C9
L2
L1



*DuPont Registered Trademark.