CIRCUIT FOR PRODUCING PARABOLIC CURRENT
EFFECT OF STATIC CONVERGENCE MAGNET
ACTION OF RED+GREEN TILT CONTROL
ACTION OF VERT DIFF TILT CONTROL
ACTION OF DIFF. AMP. CONTROL

BALANCED
RED + GREEN

UNBALANCED
RED
GREEN
RED + GREEN CONVERGENCE COILS
VERTICAL DYNAMICS PANEL

- Blue Vertical Amplitude (5)
- Red + Green Vertical Amplitude (3)
- Blue Vertical Tilt (6)
- Red + Green Vertical Tilt (4)
- Red + Green Diff. Amplitude (1)
- Red + Green Diff. Tilt (2)
BLUE DYNAMIC CONVERGENCE CIRCUIT

BLUE CONVERGENCE COIL

RI LEFT
RI RIGHT

300V

HORIZ FREQ

C2

BLUE AMP

CL

RI BLUE TILT

L

R
Wave forms in vertical convergence coils
ALIGNMENT OF GUNS, MASK AND PHOSPHOR DOTS

AXIS OF THE THREE BEAMS

120°

120°

120°

APERTURE MASK

CONVERGENCE POINT

PHOSPHOR-DOT SCREEN
MISCONVERGENCE CAUSED BY CRT GEOMETRY

Vert Scan

R & G

Face of CRT

Shadow Mask

HOR Z SCAN

FACE PLATE

G R B

R & G SHADOW MASK

G R

B