ABSTRACT

A deflection switch (Q1) of a horizontal deflection circuit (250) is coupled to a retrace resonant circuit (100) that includes a horizontal deflection winding (L_H) and a first retrace capacitance (C_1). A flyback transformer primary winding (W_1) is coupled at a junction terminal (collector of Q1) of the deflection switch (Q1) and the retrace resonant circuit (100). A second winding (W_4) of the transformer (T_1) is coupled to an ultor voltage power supply (556). To provide side pincushion correction, a second switch (Q2), having a conduction time that is phase modulated during horizontal retrace at a vertical rate in parabolic manner, is coupled between ground and a terminal (50) of the retrace resonant circuit (100) remote from the flyback transformer primary winding (W_1). The second switch (Q2) is conductive during the entire trace interval and is turned-off at a controllable instant during the first half of the retrace interval. When the second switch (Q2) is nonconductive, a second retrace capacitance (C_2) is interposed between the flyback transformer primary winding (W_1) and the retrace resonant circuit (100) to prevent load variation in the second winding (W_4) of the flyback transformer (T_1) from causing raster distortion.

Reference Indicia Are From Fig. 2

This Sheet Has Been Replaced

