

ABSTRACT

A modulation circuit (Q_1) supplies a correction current (i_2) to an S-shaping capacitor (C_{23}) to modulate the voltage across a deflection winding (L_H) for correction of inner raster distortion. The frequency of the correction current is lower than line frequency for the correction of inner pincushion or barrel distortion. For correction of second order inner pincushion or barrel distortion, the frequency is higher than line frequency. The direction of the correction current in the S-capacitor can be made the same or opposite to the deflection current, resulting in an additive or a subtractive correction. The amount of the inner correction is adjustable independent of the outside raster correction. The modulation circuit is driven by deflection energy and is independent of the flyback transformer (T_{20}).

(Fig. 2)

This Sheet Has Been Replaced

