
Technical Bulletin

Re: Horizontal Deflection Module Modifications for Folded Image

Applies to: Marquee 8000/9000/8110/8500/8500LC/9500LC projectors manufactured from June 1995 to September 1995.

Symptoms/Cause: This bulletin covers modifications to correct a problem which is a by-product of recent modifications made to the Horizontal Deflection Module (HDM) in order to increase the image width. The problem can be described as follows.

The projected image takes on a folded appearance. The entire image is folded in thirds with the folds running vertically.

This problem occurs very rarely and only when using computer sources that have horizontal scan frequencies between 45 kHz and 60kHz.

Action: Qualified service personnel are welcome to perform the following modifications to the Horizontal Deflection Module (HDM). **These modifications and above symptoms apply only to printed circuit boards labeled 50-2003-07P.** The HDM is situated within metal shielding located between the green and blue CRTs (Cathode Ray Tubes) inside the projector.

Remove D57, BAT81 diode, and replace it with a 1N4148 or 1N914 diode (both available as Electrohome part no. 14-513-01P).

Note: **The above modifications require delicate soldering work on electronic components and should be performed by qualified service personnel only.** Please use proper Electrostatic Discharge (ESD) procedures. If you are uncomfortable with performing these modifications, they can be done for you at an authorized Electrohome service depot.