High-Res RGB Monitor Cure for Jitters

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Security: Everyone

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Recently, dealers have reported a two phase problem with the High-Res RGB Monitor. To cure the jitter problem, they replace main logic board. Once the board is replaced, they find themselves with a strange convergence problem.

None of the adjustments listed in Tech Procedures (including V-Twist, H-Stat) cure the problem. Convergence can be as bad as 1/8" vertically. Adjusting the V-twist control only brings in a small section of the screen leaving the top and bottom borders way off. If the center section is adjusted correctly then the picture gradually get worse towards the top and bottom borders where distinct red, green (yellow), and blue shadowed images can be seen on the screen.

The part that made this different than a normal convergence problem was the fact that the shadowed images were all of different sizes. That is, green was larger than the red, and blue was smaller than the red).

The solution is amazingly simple: Adjust the V-Top and V-Bottom controls on the main logic board. This immediately brings the monitor into adjustment. No parts replacements were necessary.

Interestingly enough, this board was supposedly received DOA from the Campbell Support Center. It is possible that the apparent DOA condition was caused by a dealer technician bumping these potentiometers when installing the replacement board. It is also possible that these boards were not properly adjusted from the factory.

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