



EDL Displays, Inc.

VERTICAL DEFLECTION BOARD

THEORY

The vertical deflection board controls beam movement from the top to the bottom of the screen. It is also responsible for controlling the dynamic

convergence correction waveforms. The vertical board also provides correction signals (vertical pin and trapezoid) for the tube.

TESTING

1. Visually inspect PCB assembly
2. Set R75 for $2.5V_{p-p}$ on TP7
3. Set R6 for $5V_{p-p}$ on TP1
4. Set R60 so that signal on TP4 is not clipping on top
5. Set R9 for $6V_{p-p}$ on TP3
6. Confirm signal on U26-3 is modulated waveform

VERTICAL DEFLECTION BOARD REPLACEMENT

P/N 6100-0112-03

Tools Required: 1. Screwdriver, common, straight slot.

REPLACEMENT PROCEDURE

1. Turn a/c. power OFF at the front panel.
2. Disconnect the monitor a/c. power cord.
3. Unscrew the two captive screws on the Vertical Deflection Board.
4. Remove the Vertical Deflection Board from its slot. As a precaution, inspect the module connector and the Mother Board mating connector for damage.
5. Carefully insert the replacement deflection module in its slot making sure the module connector is properly aligned with its mating connector on the Mother Board.
6. Tighten the two captive screws to seat the module and complete the connection to the Mother Board.
7. Connect the a/c. power cord.
8. Apply a/c. power and input signals and check the display for proper operation.