7.Ø CRT ASSEMBLIES

7.1 HARDWARE DESCRIPTIONS AND ADJUSTMENTS

Figure 7.1
Dotronix video board

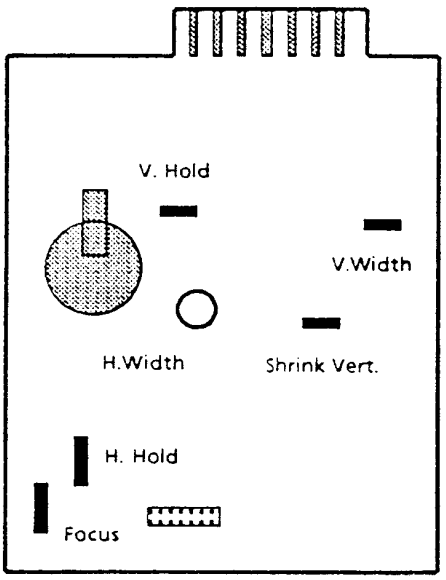
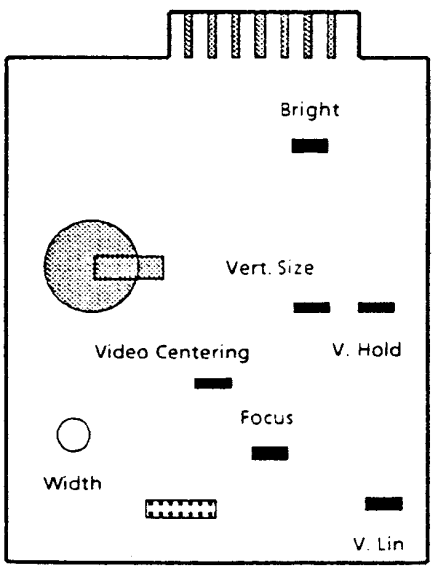


Figure 7.2
Elston video board



VIDEO ADJUSTMENTS

At the current time Kaypro is using CRT assemblies produced by Dotronix, Elston, and Toshiba. The adjustment pots are positioned in different locations on the boards and can be located by using figures 7-1, 7-2, and 7-3. These pots are factory aligned and normally need no adjustment. The purpose of these adjustments is to obtain the correct size, centering, and brightness of the display.

Use only non-metallic tools when making these adjustments.

Before any adjustments are made on the video board, the ALIGN diagnostic should be invoked. This will fill the screen with H's and aid in adjustment.

HORIZONTAL CENTERING

Check to see that the pattern is centered on the screen. Adjust the horizontal hold pot until the display is correctly centered. On the Elston video board, adjust the video centering pot.

VERTICAL SIZE AND LINEARITY

The following two procedures are to be performed alternately until correct display is obtained.

Adjust the vertical size pot to obtain pattern height of approximately 4-7/8 inches.

Adjust vertical linearity pot until all characters are the same vertical size, top to bottom.

HORIZONTAL WIDTH

Adjust the horizontal width pot to obtain a display width of approximately 7 inches.