

The OFFSET pot can be replaced with a 7.85k to +12v and a 1.43k resistor to ground. The POSITION pot can be replaced with a 6.25k resistor. The WIDTH pot can be replaced with a 6.81k resistor. The BLANKING pot can be replaced with a 4.18k resistor to +12v and a 592ohm resistor to ground. I do not recommend replacing any of the other pots with fixed values. If you do use fixed resistors please skip those steps in the adjustment procedure.

#### 17.4) Timing diagram and adjustment procedure

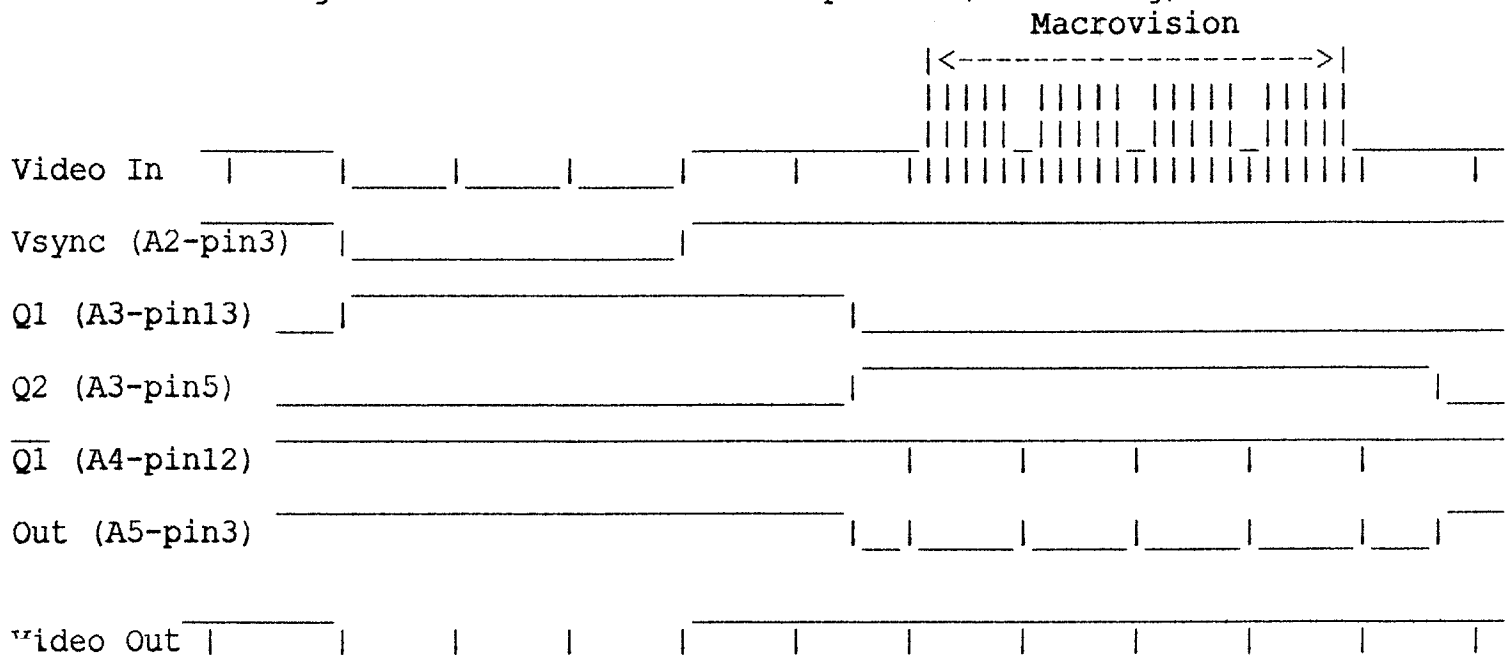
Set up: Connect a scope up to the video input and trigger on vertical sync. The second channel will be used for looking at the device being adjusted. Pre-adjust all pots for center position.

Connect the 2nd channel on the scope up to A3-pin13.

Adjust POSITION so the falling edge of the signal is in the middle of the horiz. line just before the Macrovision pulses (see timing).

Connect the 2nd channel of the scope up to A3-pin5.

Adjust WIDTH so the falling edge of the signal is in the middle of the horizontal line just after the Macrovision pulses (see timing).



Connect the 2nd channel of the scope up to A4-pin4.

Adjust EQ.START so the rising edge of the signal is just after the single Macrovision Burst (see timing)

Connect the 2nd channel of the scope up to A4-pin12.

Adjust EQ.WIDTH so the signal is low during the equalization pulses and goes high just after the color burst signal (see timing).

Connect the 2nd channel of the scope up to Video Out.

Adjust BLANKING level to match the rest of the videos blanking.

The video output should now look like Macrovision never existed.

Try it!

A Single Macrovision Burst