

DUCKSAN (Merit type 20 OLD) 13" Monitor (CGA)

Note: This monitor is identified by the remote adjustment board having TWO connectors on it, J1 (12 pins) and J2 (6 pins). These connectors may also be labeled CN6 and CN7.

Bad capacitors on main board:

C804 1 uf @ 50 volt (**change to 10 uf @ 50 volt**)

C805 10 uf @ 50 volt

C806 100 uf @ 160 volt

C808 100 uf @ 160 volt

C209 100 uf @ 35 volt

C213 1000 uf @ 25 volt

C214 1 uf @ 35 volt

C216 470 uf @ 35 volt

C311 1 uf @ 160 volt

C328 1 uf @ 250 volt

If after changing the above caps you have no vertical deflection, the U201 chip (LA7831) is bad and should be replaced.

Dead monitor? Check R801.

CRT: Orion # A34JLL90X55

Yoke resistance:

Red & **Blue** (horiz.) 4 ohms

Green & **Yellow** (vert.) 17 ohms

Circuit board markings:

Neck board says "KW-992 Sub B (CPT Unit)"

Main board says "KW-992 Main Unit"

Remote board says "KW-992 Control Unit" and "RM-1"

Used in the early Merit "Megatouch" countertop video games (www.meritind.com). *Note:* Diode D313 is mismarked on the component side of the board as D315.

Compiled by KEN LAYTON on Feb. 3, 2005